Archive of FRG-ERG-SMRG news items

01/01/2009
Fluvial Research Group official launch
We are delighted to announce the official launch of the Fluvial Research Group (FRG) within the School of Earth and Environment at the University of Leeds. This marks the official commencement of Phase 1 of the consortium.

02/01/2009
FRG newsletter 1 now online
Keep up-to-date with a summary of recent FRG research initiatives in our newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 01 – Oct 2008).

05/01/2009
New Leeds FRG PhD student
Welcome to Joanne (Jo) Venus who has recently joined FRG to commence her PhD project 'Heterogeneity in Permo-Triassic fluvial successions to determine suitability of subsurface saline aquifers as sites for CO_2 storage and for characterization of marginal-pay hydrocarbon reservoirs'.

06/01/2009
FRG at the BSRG Conference
Members of the FRG made 6 presentations at the recent British Sedimentological Research Group (BSRG) annual meeting hosted by the University of Liverpool in December 2008. Talks and posters from this meeting can be found on the FRG website sponsors' pages (keyword: conference 2008 01 – BSRG).

07/01/2009
New FRG publication
Duller, R.A., Mountney, N.P., Russell, A.J. and Cassidy, N.J., 2008. Architectural analysis of a volcaniclastic jökulhlaup deposit, southern Iceland: sedimentary evidence for supercritical flow. Sedimentology, 55, 939-964 (DOI: 10.1111/j.1365-3091.2007.00931.x).

30/01/2009
FRG at the River to Rock Record Conference
Members of the FRG made 2 presentations at the SEPM 'River to Rock Record' conference hosted by the University of Aberdeen in January 2009. Posters from this meeting can be found on the FRG website sponsors' pages (keyword: conference 2009 01 – River to Rock).

31/01/2009
Welcome to John Holbrook
We are delighted to welcome Professor John Holbrook of the University of Texas at Arlington as a member of the FRG team. John is well known for his work on controls on the Recent sedimentary evolution of the Mississippi as well as for his work on ancient fluvial successions. He is co-author of the

textbook ‘Active Tectonics and Alluvial Rivers’ published in 2002 (ISBN-10: 0521890586).

05/04/2009
FRG at the 7th Petroleum Geology Conference
Members of the FRG presented a poster at the recent Petroleum Exploration Society of Great Britain (PESGB) 7th Petroleum Geology Conference in London. The poster from this meeting can be found on the FRG website sponsors’ pages (keyword: conference 2009 02 – Pet Geol).

07/05/2009
Congratulations to Shahid Ghazi
Congratulations to Shahid who has successfully defended his PhD thesis at his viva voce examination. Shahid has now left Leeds to take up the post of Lecturer in Sedimentology at the University of Punjab, Pakistan. He remains an active member of FRG.

11/06/2009
FRG at the AAPG Annual Convention in Denver
Members of the FRG made 2 presentations at the recent AAPG Annual Convention in Denver. Posters from this meeting can be found on the FRG website sponsors’ pages (keyword: conference 2009 03 – AAPG).

15/06/2009
FRG newsletter 2 now online
Keep up-to-date with a summary of recent FRG research initiatives in our newsletter, which can be found on the FRG website sponsors’ pages (keyword: newsletter 02 – June 2009).

15/07/2009
Welcome to Andy Russell
We are delighted to welcome Dr Andy Russell of the University of Newcastle as a member of the FRG team. Andy is well known for his work on the sedimentology and geomorphology of catastrophic outburst floods in proglacial settings, especially those in Iceland.

31/07/2009
FRG newsletter 3 now online (extended format)
Keep up-to-date with a summary of recent FRG research initiatives in our newsletter, which can be found on the FRG website sponsors’ pages (keyword: newsletter 03 – July 2009).

15/09/2009
New FRG publication
Cain, S.A. and Mountney, N.P. 2009. Spatial and temporal evolution of a terminal fluvial fan system: the Permian Organ Rock Formation, south-east Utah, USA. Sedimentology, 56, 1774-1800 (DOI: 10.1111/j.1365-3091.2009.01057.x).

20/09/2009

New FRG publication
Russell, A.J., Duller, R.A. and Mountney, N.P., 2009. Volcanogenic glacier outburst floods (jökulhlaups) from Mýrdalsjökull: impacts on proglacial environments. In: Krüger, J., Schomacker, A. and Kjær, K.H. (eds), The Mýrdalsjökull Ice Cap, Iceland: Glacial Processes, Sediments and Landforms on an Active Volcano. Developments in Quaternary Sciences, 13, Elsevier, 181-207 (ISSN 1571-0866).

01/10/2009
New Leeds FRG PhD student
Welcome to Steve Banham who joins FRG to commence his PhD project 'Deciphering the effects of climate change from autocyclic (intrinsic) behaviour in fluvial successions: insights from field observation and numerical modelling'.

08/10/2009
New FRG publication
Ghazi, S. and Mountney, N.P., 2009. Facies and architectural element analysis of a meandering fluvial succession: the Permian Warchha Sandstone, Salt Range, Pakistan. Sedimentary Geology, 221, 99-126 (DOI:10.1016/j.sedgeo.2009.08.002).

12/10/2009
Reckonnect reservoir simulation software
FRG has reached a deal with Reckonnect to use its connectivity modelling software for academic research purposes. The software is designed to help reservoir geologists and reservoir engineers understand connectivity amongst channel sandbodies in fluvial, deltaic or deep-water settings. For more information visit http://www.reckonnect-software.com/

05/11/2009
FRG literature database now online
We are pleased to announce the launch of our searchable bibliographic database, which is available now to all sponsors. There are currently records of over 22,000 books, journal articles, special publications and reports relating to fluvial sedimentology and geomorphology in the database. All are searchable via a sophisticated search facility. We estimate that this represents about 85% of the total literature in the field and we will be adding the remaining literature (mostly books) over the coming months. Sponsors wanting to use the service should access it via the FRG Literature page within the Sponsors' Pages part of the site. Complex searches can be conducted using keywords, authors, publication type, year, journal name etc. We will be adding a list of 'FRG recommends' in the near future.

01/12/2009
New FRG publication
Mountney, N.P., 2009. Improving student understanding of complex spatial-temporal relationships in earth sciences using computer animation and visualization, Planet, 22, 72-77.

01/12/2009
FRG Phase 1 Progress Report
An interim progress report relating to the initial 10 months of FRG Phase 1 is now available for sponsors to download from the website's private pages. This document provides a succinct summary of our recent, ongoing and forthcoming activities (keyword: progress report 01 – November 2009).

02/12/2009
New FRG publication
Mountney, N.P. and Russell, A.J., 2009. Aeolian dune field development in a water table-controlled system: Skeiđarársandur, southern Iceland. Sedimentology, 56, 2107-2131 (DOI: 10.1111/j.1365-3091.2009.01072.x).

04/12/2009
Congratulations to Stephen Cain
Congratulations to Stephen who has successfully defended his PhD thesis at his viva voce examination. The results of Stephen's research on the sedimentology and stratigraphy of the Permian Organ Rock Formation (Utah) – a terminal fluvial fan succession – are available to download from the sponsors' pages. Stephen currently works for Neftex. He remains an active member of FRG.

09/12/2009
Sedimentology front cover image
The image on the front cover of the December 2009 issue of the journal 'Sedimentology' (Volume 56, Number 7) is an FRG photograph depicting an unconfined fluvial system with small aeolian dune fields in the medial part of the Skeiđarársandur outwash plain, southern Iceland.

06/01/2010
FRG at the BSRG Conference
Members of the FRG made 5 presentations at the recent British Sedimentological Research Group (BSRG) annual meeting hosted by the University of Bangor in December 2009. Talks and posters from this meeting can be found on the FRG website sponsors' pages (keyword: conference 2009 04 – BSRG).

11/01/2010
Areva join FRG.
Areva, the Paris-based mineral exploration and mining company, have formally joined the FRG consortium with immediate effect. Welcome on board!

12/01/2010
Poster prize for FRG conference presentation
FRG research student Jo Venus has picked up an award for one of the best posters presented at the recent BSRG annual conference held in Bangor (Wales) in late December. Jo's poster can be found on the FRG website sponsors' pages (keyword: 2009 conference 04 – BSRG; Doc ID 164).

22/01/2010

Nexen have joined the FRG consortium.
Nexen have joined the FRG consortium with immediate effect. Welcome on board!

27/01/2010
New! Literature summary overview documents now available to sponsors
Six new fluvial literature review overview summary documents are now available to sponsors (keyword: literature review).

Annotated Bibliography for Fluvial Facies & Bar Architecture (Doc ID 168)
Annotated Bibliography for Fluvial Correlation (Doc ID 169)
Annotated Bibliography for Fluvial Geomorphology (Doc ID 170)
Annotated Bibliography for Seismic Geomorphology of Fluvial Units (Doc ID 171)
Annotated Bibliography for River Channel Avulsion & Bifurcation (Doc ID 172)
Annotated Bibliography for Fluvial Heterogeneity and Connectivity (Doc ID 173)

This document set was compiled by John Holbrook (University of Texas, Arlington) and provides a valuable starting point for learning more on these themes.

20/02/2010
Three fully funded PhD studentships available
Three fully funded PhD studentships are now available within the group. See the “Studying with FRG” page for more details.

09/03/2010
Congratulations to Jo Venus!
Congratulations to Jo Venus who has been elected President of the International Young Earth-Scientists Network.

15/03/2010
Congratulations to Jo Venus! PG rep on BSRG committee!
Congratulations to Jo Venus who has been elected to serve as a postgraduate representative on the British Sedimentological Research Group (BSRG) committee, the UK body representing sedimentology and sedimentary geology.

15/05/2010
FRG at the AAPG Annual Convention in New Orleans
Members of the FRG made a presentation at the recent AAPG Annual Convention in New Orleans. Posters from this meeting can be found on the FRG website sponsors’ pages (keyword: conference 2010 01 – AAPG).

17/05/2010
Bonus field season in Utah for Mountney and Kane
The widespread disruption to air traffic due to the ash cloud associated with a major volcanic eruption in Iceland delayed Nigel Mountney’s and Ian Kane’s return from AAPG in New Orleans. The pair made the most of the disruption

by undertaking fieldwork in southeast Utah as part of an ongoing FRG project to investigate the role of salt wall growth as a control on the style of fluvial sedimentation in the Triassic Moenkopi Formation, an outcrop analogue for parts of the Triassic of the Central North Sea.

20/05/2010
Project linkup with John Holbrook, University of Texas at Arlington
FRG and John Holbrook are running related research projects to investigate controls on sand body architecture developed within fluvial overbank settings. John's project is investigating modern fluvial systems in Mexico. A sister Leeds-based project is examining subsurface datasets from Blackwater in Queensland Australia and from the offshore Australian Northwest Shelf.

31/05/2010
FRG newsletter 4 now online (extended format)
Keep up-to-date with a summary of recent FRG research initiatives in our newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 04 – May 2009; Doc ID 179).

01/06/2010
10th International Conference on Fluvial Sedimentology at Leeds in 2013
The University of Leeds will host the 10th International Conference on Fluvial Sedimentology in 2013. The lead organiser will be Dan Parsons.

10/06/2010
New FRG publication
Duller, R.A., Mountney, N.P. and Russell, A.J., 2010. Particle fabric and sedimentation of structureless sand, southern Iceland. Journal of Sedimentary Research, 80, 562-577 (DOI: 10.2110/jsr.2010.055).

11/06/2010
Project linkup with John Holbrook, University of Texas at Arlington
John Holbrook is running an FRG project to apply his buffers and buttresses conceptual model to the fluvial cycles present in the Pennsylvanian lower Cutler beds of the Paradox Basin, southeast Utah.

12/06/2010
Ian Kane moves to Statoil, Bergen, Norway
Ian Kane has taken up a position in the Research Centre at Statoil in Bergen, Norway. Ian will maintain close links with both TRG and FRG. For FRG, he has interests in developing predictive tectono-stratigraphic models for the role of salt wall uplift and salt mini-basin development in controlling fluvial pathways and resultant sedimentary architecture.

23/06/2010
FAKTS project update
The Fluvial Architecture Knowledge Transfer System (FAKTS) is a major FRG initiative based on the development of a relational database for fluvial systems and preserved successions. One key deliverable of the FAKTS system is the probabilistic determination of vertical and lateral transitions between facies,

facies associations and larger architectural elements within a range of fluvial system types. Results can be filtered in a sophisticated manner, for example according to sediment supply type, climatic setting or basin type.

01/07/2010
New Leeds FRG PhD student
Welcome to Luca Colombera who joins FRG to commence his PhD project 'Prediction of fluvial sedimentary architecture: the role of basin setting, subsidence style, climate & sediment delivery mechanism'. Luca will work on part of a larger FRG initiative to develop the Fluvial Architecture Knowledge Transfer System (FAKTS).

01/08/2010
New FRG publication
Jordan, O.D. and Mountney, N.P., 2010. Styles of interaction between aeolian, fluvial and shallow marine environments in the Pennsylvanian to Permian lower Cutler beds, south-east Utah, USA. Sedimentology, 57, 1357-1385 (DOI: 10.1111/j.1365-3091.2010.01148.x). (Doc ID 181)

12/08/2010
Jo Venus commences internship with Woodside, Perth, Australia
Jo Venus will be based at Woodside's offices in Perth, Australia from August to November 2010, where she will be helping to develop a literature database relating specifically to sandstone connectivity in fluvial overbank successions.

15/08/2010
BHPBilliton join FRG
BHPBilliton have formally joined the FRG consortium with immediate effect. Welcome on board!

01/09/2010
New FRG publication
Duller, R.A. et al., 2010. From grain size to tectonics. Journal of Geophysical Research, 115, F03022, 1-19. (DOI: 10.1029/2009JF001495). (Doc ID 183)

03/09/2010
New Leeds FRG PhD student
Welcome to Hollie Romain who joins FRG to commence her PhD project 'Styles of fluvial-aeolian sedimentary interactions at desert dune-field margins: integrating modern, outcrop and subsurface datasets'. Hollie will work on part of an ongoing long-term FRG initiative to develop predictive models for styles of system interaction in arid and semi-arid systems.

01/10/2010
10th International Conference on Fluvial Sedimentology at Leeds in 2013
The University of Leeds will host the 10th International Conference on Fluvial Sedimentology in 2013. The website is now live at: http://www.icfs10.co.uk/

Dan Parsons is the lead organiser for this event.

10/10/2010
New Leeds FRG PhD student
Welcome to Jen Stuart who joins FRG to commence her PhD project 'Sedimentary architecture and connectivity of reservoir-quality facies in fluvial overbank successions'. Jen will initially work on a subsurface data set from coal-bearing strata from the Bowen Basin of Queensland, Australia.

10/11/2010
New FRG publication
Ghazi, S. and Mountney, N.P., 2010. Subsurface lithofacies analysis of the fluvial Early Permian Warchha Sandstone, Potwar Basin, Pakistan. Journal of the Geological Society of India, 76, 505-517. (Doc ID 191)

11/11/2010
FRG at the Nepal Geological Congress, Katmandu
Members of the FRG are presenting work at the 6th Nepal Geological Congress (Nepal Geological Society), Kathmandu, Nepal (15th november, 2010). Ghazi, S. and Mountney, N.P., 2010. Lithofacies and provenance analysis of an Early Permian fluvial succession: the Warchha Sandstone, Central Salt Range, Pakistan. 6th Nepal Geological Congress (Nepal Geological Society), Kathmandu, Nepal.

12/11/2010
FRG at the European Geosciences Union General (EGU) Assembly 2011.
Jo Venus is co-convening a session at the EGU on 'Recent Advances in Fluvial Sedimentology and Stratigraphy'
http://meetingorganizer.copernicus.org/EGU2011/session/7891

Convener: Andrew Wilson
Co-Conveners: Arnold Reesink, Andreas Rittersbacher, Joanne Venus

European Geosciences Union General Assembly 2011. Vienna, Austria, 03 – 08 April 2011.

http://meetingorganizer.copernicus.org/EGU2011/session/7891

Summary
Fluvial deposits contain some of our most precious groundwater and hydrocarbon resources, are archives of paleo-environmental conditions, are sensitive to environmental change, and rivers themselves are the conduit through which continents are linked to oceans and basins.

The study of both modern and ancient river deposits is therefore critical to our understanding of the effects of forcing factors such as climate and tectonics on drainage networks and sedimentary architecture, and in developing predictive tools for assessing resource potential.

We cordially invite submissions spanning the breadth of fluvial sedimentology and stratigraphy with the aim of providing a comprehensive overview of recent advances in this area by field-based, numerical and experimental methods on

both channel- and overbank deposits at a range of temporal and spatial scales.

We encourage submission of interdisciplinary research on current topics such as:

- the use of new technologies for characterisation of fluvial architecture, heterogeneities and facies, and their applications to aquifers and hydrocarbon reservoirs
- unravelling preservation potential to link modern rivers to ancient successions
- quantification of ripple- to catchment-scale sediment dynamics and interactions of the fluvial system with adjacent environments

12/11/2010
FRG launches the ‘Fundamentals of Geoscience’ project
‘Fundamentals of Geoscience’ is a major FRG knowledge transfer initiative to provide a set of resources for non-specialists to enable them to acquire a basic grounding in core areas of geoscience, and especially in general sedimentology and fluvial and aeolian sedimentary systems and environments. The resources are delivered as a series of 'e-book' fact sheets, each providing an overview of a particular topic in a concise format. The resources enable sponsors to get up to speed quickly and efficiently.

15/11/2010
FRG newsletter 5 now online (extended format)
Keep up-to-date with a summary of recent FRG research initiatives in our newsletter, which can be found on the FRG website sponsors’ pages (keyword: newsletter 05 – Nov 2009; Doc ID 216).

01/12/2010
New! “FRG Recommends” External Controls on Fluvial Systems
We have added a set of recommended literature relating to external controls on fluvial systems to the literature database part of the sponsors’ pages. This document set was compiled by Luca Colombera and provides a valuable starting point for learning more on this theme.

05/12/2010
New! “FRG Recommends” Fluvial-Aeolian Interactions
We have added a set of recommended literature relating to styles of fluvial-aeolian interaction to the literature database part of the sponsors’ pages. This document set was compiled by Hollie Romain and provides a valuable starting point for learning more on this theme.

14/12/2010
Welcome to Rob Chapman
We are delighted to welcome Dr Rob Chapman of the University of Leeds as a member of the FRG team. Rob has expertise in the geology of placer deposits and the occurrence of gold in both recent river deposits and in their ancient counterparts.

14/12/2010
New Leeds FRG PhD student
Welcome to Rob Lowther who joins FRG to commence his PhD project ‘Modelling the evolution of giant gold placers’. Rob is working with Rob Chapman and Jeff Peakall.

15/12/2010
New fluvial placer deposits research initiative
FRG now offers specialist expertise in the geology of placer deposits, a research initiative that complements our existing expertise in applied reservoir characterization. Fluvial mineral placer research activities will be led by Rob Chapman.

21/12/2010
FRG at the BSRG Conference
Members of the FRG made 6 presentations at the recent British Sedimentological Research Group (BSRG) annual meeting held in Southampton in December 2010. Talk and poster presentations from this meeting can be found on the FRG website sponsors’ pages (keyword: conference 2010 02 – BSRG).

27/12/2010
New! Fundamentals of Geoscience: Sedimentary Environments
New additions to the Fundamentals of Geoscience project relating to Sedimentary environments have been uploaded for sponsors to access on the FRG site. The resources have the following document ID numbers:

226 - Alluvial Fans
227 - Meandering Rivers
228 - Braided Rivers
229 - Aeolian Environments
230 - Deltas (part 1)
231 - Deltas (part 2)

232 - All of the above in one large file (100 Mb)
233 - All of the above in one compressed file (23 Mb)

Sponsors can access all the documents in this series by choosing the "Fundamentals of Geoscience" category in the Sponsors' Library pages or by searching for that same term in the keyword search.

The "Fundamentals of Geoscience" project is a major FRG knowledge transfer initiative to provide a set of resources for non-specialists to enable them to acquire a basic grounding in core areas of geoscience, and especially in general sedimentology and fluvial and aeolian sedimentary systems and environments. The resources are delivered as a series of 'e-book' fact sheets, each providing an overview of a particular topic in a concise format. The resources enable sponsors to get up to speed quickly and efficiently.

05/01/2011

Poster prize for FRG conference presentation
FRG research student Jen Stuart has picked up an award for one of the best posters presented at the recent BSRG annual conference held in Southampton in late December. Jen's poster can be found on the FRG website sponsors' pages (keyword: 2010 conference 02 – BSRG; Doc ID 225).

06/01/2011
New FRG publication
Ghazi, S. and Mountney, N.P., 2011. Petrography and provenance of the Early Permian fluvial Warchha Sandstone, Salt Range, Pakistan. Sedimentary Geology, 233, 88-110 (DOI:10.1016/j.sedgeo.2010.10.013). (Doc ID 234)

04/02/2011
Congratulations to Oliver Wakefield
Congratulations to Oliver who has successfully defended his PhD thesis at his viva voce examination. His project is entitled "Aeolian, fluvial and shallow marine sedimentary system interactions in the Permian Cutler Group, southeast Utah, USA". Oliver remains an active member of FRG.

21/02/2011
Atlas of Fluvial and Aeolian Facies now available to sponsors
An initial draft version of the Atlas of Fluvial and Aeolian Facies – a pictorial encyclopaedia of facies examples – is now available for sponsors to download from the FRG website (DOC IDs02-21 236 & 241).

21/02/2011
FRG newsletter 6 now online (extended format)
Keep up-to-date with a summary of recent FRG research initiatives in our newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 06 – Feb 2011; Doc ID 240).

15/03/2011
FAKTS database now live for sponsors to use
The Fluvial Architecture Knowledge Transfer System (FAKTS) is now available for sponsors to download from the FRG website. FAKTS enables compilation of geo-statistics relating to fluvial architectures known from modern, ancient outcrop and subsurface systems and successions. The resource is available as a self-contained download pack, which includes the database itself, a copy of the software required to use it, a series of SQL query scripts and an installation guide (Doc ID 247).

12/04/2011
FRG at the European Geosciences Union General (EGU) Assembly 2011
Jo Venus – along with Andrew Wilson, Arnold Reesink and Andreas Rittersbacher – co-convened a session at the EGU on 'Recent Advances in Fluvial Sedimentology and Stratigraphy', 03-08 April 2011.

20/04/2011
FRG at the 2011 AAPG Annual Convention in Houston

Members of the FRG made a presentation at the recent AAPG Annual Convention in New Orleans. Posters from this meeting can be found on the FRG website sponsors' pages (keyword: conference 2011 01 – AAPG; Doc IDs 251-253).

28/04/2011
FAKTS database interrogation guide now available
The Fluvial Architecture Knowledge Transfer System (FAKTS) is now available for sponsors to download from the FRG website (Doc ID: 247) and is now supported by a user guide explaining how to write query scripts to extract custom data from the system (Doc ID 254).

21/05/2011
Oliver Wakefield PhD Thesis now available to sponsors
The final version of Oliver's PhD thesis is now available for sponsors to download from the FRG website sponsors' pages (Doc IDs 258 & 259).

07/06/2011
FRG at Geology and Geophysics conference, Bournemouth, UK
Nigel Mountney gave an invited presentation at the recent Nexen Geology and Geophysics, & Reservoir Engineering Communities conference, Bournemouth, UK. Find the presentation on the FRG website sponsors' pages (keyword: conference 2011 02 – Nexen; Doc ID 261).

13/06/2011
FRG newsletter 7 now online (extended format)
Keep up-to-date with a summary of recent FRG research initiatives in our newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 07 – June 2011; Doc ID 262).

07/07/2011
FRG at the IAS Conference, Zaragoza
Members of the FRG made 7 presentations at the recent IAS Sedimentology Meeting held in Zaragoza, Spain, in July 2011. Talk and poster presentations from this meeting can be found on the FRG website sponsors' pages (keyword: conference 2011 03 – IAS).

08/07/2011
Nigel Mountney - invited keynote presentation, IAS, Zaragoza
Nigel Mountney gave an invited keynote presentation at the recent IAS Sedimentology Meeting held in Zaragoza, Spain. Find the presentation on the FRG website sponsors' pages (keyword: conference 2011 03 – IAS; Doc ID 271).

25/07/2011
FAKTS database update now available
An update to the Fluvial Architecture Knowledge Transfer System (FAKTS) is now available for sponsors to download from the FRG website (Doc ID 274). This adds a detailed architectural study of the Jurassic Kayenta Formation. FAKTS enables compilation of geo-statistics relating to fluvial architectures

known from modern, ancient outcrop and subsurface systems and successions. Also see DOC ID 247 which is a self-contained download pack, which includes the database itself, a copy of the software required to use it, a series of SQL query scripts and an installation guide.

25/08/2011
Hollie Romain commences internship with Woodside
Hollie Romain will be based at Woodside's offices in Perth, Australia from September to November 2011.

15/09/2011
New FRG publication
Cain, S.A. and Mountney, N.P., 2011. Downstream changes and associated fluvial-aeolian interactions in an ancient terminal fluvial fan system: the Permian Organ Rock Formation, SE Utah. In: Davidson, S, Leleu, S. and North, C. (eds), From River to Rock Record, SEPM Special Publication, 97, 165-187. ISBN 978-1-56576-305-0. (Doc ID 265)

16/09/2011
New FRG publication
Mountney, N.P., 2011. A stratigraphic model to account for complexity in aeolian dune and interdune successions. Sedimentology. Available online early via the journal website. DOI: 10.1111/j.1365-3091.2011.01287.x. (Doc ID 281)

20/09/2011
Shell have joined the FRG consortium
Shell have joined the FRG consortium with immediate effect. Welcome on board!

23/09/2011
New FRG publication
Colombera, L. and Bersezio, R., 2011. Impact of the magnitude and frequency of debris-flow events on the evolution of an alpine alluvial fan during the last two centuries: responses to natural and anthropogenic controls. Earth Surface Processes and Landforms, 36, 1632-1646. DOI: 10.1002/esp.2178. (Doc ID 282)

24/09/2011
Saudi Aramco have joined the FRG consortium
Saudi Aramco have joined the FRG consortium with immediate effect. Welcome on board!

01/10/2011
New Leeds FRG PhD student
Welcome to Mohammed Almasrahy who joins FRG to commence his PhD project 'Quantification of sedimentary architecture and heterogeneity for stratigraphic prediction in aeolian-fluvial reservoirs'. Mohammed will initially work on a variety of outcrop and modern datasets that he will use to

determine new workflows for building reservoir models for aeolian successions.

02/10/2011
New Leeds FRG PhD student
Welcome to Roman Soltan who joins FRG to commence his PhD project 'Linkages between fluvio-deltaic successions to slope and submarine fan successions: the role of basin structure and its influence on sediment delivery mechanisms in the UK Carboniferous'. Roman will also work with TRG and BSG at Leeds.

15/10/2011
FRG newsletter 8 now online (extended format)
Keep up-to-date with a summary of recent FRG research initiatives in our newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 08 – October 2011; Doc ID 285).

16/10/2011
FAKTS database update now available
An update to the Fluvial Architecture Knowledge Transfer System (FAKTS) is now available for sponsors to download from the FRG website (Doc ID 286).

17/10/2011
FAKTS database: updated query scripts now available
An updated set of query scripts for the Fluvial Architecture Knowledge Transfer System (FAKTS) is now available for sponsors to download from the FRG website (Doc ID 287).

18/10/2011
New FRG publication
Banham, S.G. and Pringle, J.K., 2011. Geophysical and intrusive site investigations to detect an abandoned coal-mine access shaft, Apedale, Staffordshire, UK. Near Surface Geophysics, 9, 483-496. DOI:10.3997/1873-0604.2011028. (Doc ID 289)

01/11/2011
New Leeds FRG PhD student
Welcome to Maurício Guerreiro Martinho dos Santos who will be undertaking research with members of FRG at Leeds as part of his ongoing PhD studies investigating the sedimentary architecture of pre-vegetation fluvial successions. Maurício works with Renato Paes de Almeida at the University of São Paulo, Brazil.

04/11/2011
New FRG publication
Ghazi, S. and Mountney, N.P., 2011. Fluvial Facies and Provenance of the Early Permian Warchha Sandstone Salt Range, Pakistan. *Iranian Journal of Earth Sciences*, **3**, 243-252. (Doc ID 291)

16/11/2011

Fluvial short-course self-learning guide

A major short-course designed as a self-learning guide and entitled 'Concepts in Applied Fluvial Sedimentology' is now available to download from the Sponsors' web pages on FRG website (Doc IDs 292 to 308). This 300 page short-course is designed around a comprehensive suite of graphical images and is split into the following themes:

1. Introduction to fluvial systems (morphology, classification, terminology etc).
2. Fluvial sedimentary structures and facies classification schemes.
3. Fluvial architectural elements.
4. Fluvial bounding surfaces.
5. The nature of the stratigraphic record. What actually gets preserved?
6. Problems associated with interpretation of 1D data (e.g. core).
7. Fluvial facies models and reconstruction of fluvial system type from outcrop and subsurface data.
8. Basics of fluvial sequence stratigraphy: external controls on fluvial successions (climate, tectonics, sediment supply, basin setting etc).
9. Examples of fluvial outcrops as analogues for reservoirs.
10. Basics of fluvial reservoir modelling: prediction of sand body connectivity and heterogeneity.

01/12/2011

FRG-ERG Sponsors' Meeting at AAPG 2012

The next FRG-ERG sponsors' meeting will be held on Sunday 22nd April, 2012, in Long Beach, California (immediately prior to the main AAPG Annual Convention and Exhibition). This event will be held alongside the equivalent TRG sponsors' meeting. Representatives from each of our sponsors are welcome to attend. Further details will be released early in 2012.

01/12/2011

FRG-ERG Phase 2 to commence in January 2012

FRG Phase 1 will officially finish on December 31st, 2011. FRG-ERG Phase 2 will officially commence on January 1st, 2012. We are currently in negotiation with our seven Phase 1 sponsors to discuss renewal terms. We are also actively seeking new sponsors to join the JIP for Phase 2. For further details about FRG-ERG Phase 2 contact FRG Director, Nigel Mountney.

01/12/2011

FRG Phase 1 sponsors to retain FRG membership until April 2012

Although FRG Phase 1 will officially finish on December 31st, 2011, our existing seven sponsors will retain access to the sponsors' knowledge base until the end of April 2012. Representatives from all Phase 1 sponsor companies will also be invited to attend the next FRG sponsors' meeting to be held in Long Beach, California, immediately prior to the AAPG Annual Convention and Exhibition. Further details of this event will be released in early 2012.

23/12/2011

FRG at the BSRG Conference

Members of the FRG made 10 presentations at the recent British Sedimentological Research Group (BSRG) annual meeting held at Imperial College, London, in December 2011. Talk and poster presentations from this meeting can be found on the FRG website sponsors' pages (keyword: conference 2011 04 – BSRG).

24/12/2011
Poster prize for FRG conference presentation
FRG research student Roman Soltan has picked up an award for one of the best posters presented at the recent BSRG annual conference held at Imperial College, London, in late December. Roman's poster can be found on the FRG website sponsors' pages (keyword: conference 2011 04 – BSRG; Doc ID 315).

31/12/2011
FRG-ERG newsletter 9 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 09 – Dec 2011; Doc ID 330).

01/01/2012
Fluvial & Eolian Research Group Phase 2 launch
We are delighted to announce the official launch of Phase 2 of the Fluvial & Eolian Research Group (FRG-ERG) within the School of Earth and Environment at the University of Leeds. Phase 1 of the consortium will run from January 2012 until December 2014.

18/01/2012
FRG-ERG at AAPG 2012 Long Beach
Members of FRG-ERG will be making 7 oral and poster presentations at the forthcoming AAPG Annual Convention and Meeting being held in Long Beach, California, 22nd April to 25th April, 2012.

01/02/2012
Aeolian Literature Database
A comprehensive aeolian literature database is now available for access via the sponsors' private web pages (keyword: Aeolit; Doc IDs 349 to 352).

16/03/2012
New FRG-ERG publication
Colombera, L., Mountney, N.P. and McCaffrey, W.D., 2012. A Relational Database for the Digitization of Fluvial Architecture: Concepts and Example Applications. *Petroleum Geoscience*, **18**, 129-140. (Doc ID 366)

17/03/2012
Nexen have joined the FRG-ERG Phase 2 consortium
Nexen have joined the FRG-ERG Phase 2 consortium with immediate effect. Welcome back!

20/03/2012

Fluvial Architecture Knowledge Transfer System (FAKTS) resources
Access to the growing catalogue of resources from the FAKTS database can now be made via a dedicated section on the private sponsors' web pages. The full set of FAKTS outputs is available via the "FAKTS Database" link on the main menu page. The documents are also available via the "Sponsors' Library" and "Keyword Search" links (keyword: FAKTS).

26/03/2012
New FRG-ERG publication
Mountney, N.P., 2012. A stratigraphic model to account for complexity in aeolian dune and interdune successions. *Sedimentology*, **59**, 964-989. (Doc ID 367)

27/03/2012
Sedimentology front cover image
The image on the front cover of the April 2012 issue of the journal 'Sedimentology' (Volume 59, Number 3) depicts a wet (water-table-controlled) dune and wet interdune system at Lençóis Maranhenses, Brazil. This image relates to the following paper in the same issue of the journal: Mountney, N.P., 2012. A stratigraphic model to account for complexity in aeolian dune and interdune successions. *Sedimentology*, **59**, 964-989. (Doc ID 367)

Flooded interdune at Lençóis Maranhenses, Brazil. The water-table level varies from a maximum following the rainy season in July thru September to a minimum where the interdunes are near-dry. Interdune pond is 30 m wide. Image licensed under the Creative Commons Attribution 2.0 Generic license.

26/04/2012
FRG-ERG at the AAPG Conference, Long Beach, CA
Members of FRG-ERG made 7 presentations at the recent AAPG Annual Convention and Exhibition held in Long Beach, CA, 22nd-25th April, 2012. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2012 01 – AAPG).

01/05/2012
FRG-ERG Sponsors' Meeting, Long Beach
Thanks to all those who attended the FRG-ERG sponsors' meeting held in Long Beach, CA. We have received a range of positive feedback from sponsors, which will guide us in devising forthcoming research and knowledge transfer initiatives.

01/07/2012
New Leeds FRG-ERG PhD student
Welcome to Heero Ghareb who joins FRG-ERG to commence her PhD project 'Sequence stratigraphy and basin analysis of Miocene fluvial successions, Kurdistan'. Heero is working with Richard Collier, James Lawrence and Nigel Mountney.

15/07/2012
FRG-ERG at the International Geological Congress, Brisbane

Members of FRG-ERG will be making 2 oral presentations at the forthcoming 34th International Geological Congress (IGC) being held in Brisbane, Australia, 5th-10th August, 2012.

19/07/2012
FRG-ERG at the IAS Meeting of Sedimentology, Austria
Members of FRG-ERG will be making 11 oral and poster presentations at the forthcoming 29th IAS Meeting of Sedimentology being held in Schladming, Austria, 10th-13th September, 2012.

20/07/2012
FRG-ERG co-chairing aeolian session at the IAS conference, Austria
Nigel Mountney will be co-chairing the Aeolian Sediments and Environments session at the forthcoming 29th IAS Meeting of Sedimentology being held in Schladming, Austria, 10th-13th September, 2012. The session will feature a selection of both pure and applied talks and posters relating to the sedimentology, stratigraphy and hydrocarbon potential of aeolian systems. Session convenors are Juan Pedro Rodriguez-Lopez, Gonzalo Veiga, Nigel Mountney and Lars Clemmensen.

21/07/2012
10th International Conference on Fluvial Sedimentology at Leeds in 2013
The University of Leeds will host the 10th International Conference on Fluvial Sedimentology, 14th-19th July, 2013. The lead organiser will be Dan Parsons. http://www.icfs10.co.uk/

01/08/2012
New Leeds FRG-ERG PhD student
Welcome to Michelle Shiers who joins FRG-ERG to commence her PhD project 'Sedimentology of fluvial and tidally-influenced channel-to-overbank transitions in low- and high-accommodation settings: an outcrop case study from the Upper Mesa Verde Group, Utah, USA'. Michelle is working with Nigel Mountney and Dave Hodgson.

11/08/2012
FRG-ERG at the International Geological Congress, Brisbane
Members of FRG-ERG made 2 presentations at the recent International Geological Congress (IGC) held in Brisbane, Australia, 5th-10th August, 2012. Both presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2012 02 – IGC).

20/08/2012
New FRG-ERG publication
Colombera, L., Felletti, F. Mountney, N.P. and McCaffrey, W.D., 2012. A database approach for constraining geostatistical reservoir models: concepts, workflow and examples. AAPG Search and Discovery, 40932, 1-7. (Doc IDs 356-359)

20/08/2012
New FRG-ERG publication

Colombera, L., Mountney, N.P. and McCaffrey, W.D., 2012. A relational database for the digitization of fluvial architecture: towards quantitative synthetic depositional models. AAPG Search and Discovery, 40933, 1-5. (Doc IDs 360-363)

01/09/2012
Jen Stuart commences internship with Woodside
Jen Stuart will be based at Woodside's offices in Perth, Australia from September to December 2012.

15/09/2012
FRG-ERG at the IAS Conference, Schladming, Austria
Members of FRG-ERG made 12 presentations at the recent International Association of Sedimentologists Conference held in Schladming, Austria, 10th-13th September, 2012. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2012 03 – IAS).

28/09/2012
Woodside have joined the FRG-ERG Phase 2 consortium
Woodside have joined the FRG-ERG Phase 2 consortium with immediate effect. Welcome back!

01/10/2012
Visiting academic from NorthWest University, China
Welcome to Junfeng Zhao, Senior Lecturer from NorthWest University in China, who will be working FRG-ERG on 'Sedimentology of fluvial and fluvio-deltaic successions, Ordos Basin, China'. Junfeng is working with Nigel Mountney.

02/10/2012
Hollie Romain commences internship with Shell
Hollie Romain will be based at Shell's offices in The Hague, Netherlands from October to December 2012.

10/10/2012
ConocoPhillips have joined the FRG-ERG Phase 2 consortium
ConocoPhillips have joined the FRG-ERG Phase 2 consortium with immediate effect. Welcome back!

12/10/2012
New FRG-ERG publication
Santos, M.G.M., Almeida, R.P., Mountney, N.P. and Fragoso-Cesar, A.R.S., 2012. Seismites as a tool in the palaeoenvironmental reconstruction of fluvial deposits: the Cambrian Guarda Velha Formation, southern Brazil. Sedimentary Geology, 277-278, 52-60. (Doc ID 428)

15/10/2012
FRG-ERG Sponsors' Meeting at AAPG 2013
The next FRG-ERG sponsors' meeting will be held on Sunday 19th May, 2013, in Pittsburgh, Pennsylvania (immediately prior to the main AAPG Annual

Convention and Exhibition). This event will be held alongside the equivalent TRG sponsors' meeting. Representatives from each of our sponsors are welcome to attend. Further details will be released early in 2013.

26/10/2012
New FRG-ERG publication
Ghazi, S. and Mountney, N.P., 2012. Petrographic composition, sedimentary structures and palaeocurrent analysis in Northern Gondwana: the Early Permian Warchha Sandstone of Salt Range, Pakistan. Journal of Asian Earth Sciences, 59, 185-207. (Doc ID 461)

01/11/2012
New FRG-ERG publication
Jordan, O.D. and Mountney, N.P., 2012. Sequence stratigraphic evolution and cyclicity of an ancient coastal desert system: the Pennsylvanian-Permian lower Cutler beds, Paradox Basin, Utah, USA. Journal of Sedimentary Research, 82, 755-780. (Doc ID 462)

12/11/2012
BHP Billiton have joined the FRG-ERG Phase 2 consortium
BHP Billiton have joined the FRG-ERG Phase 2 consortium with immediate effect. Welcome back!

13/11/2012
Online version of FAKTS now operational
An online version of the Fluvial Architecture Knowledge Transfer System (FAKTS) is now available for sponsors to access via a dedicated section on the private sponsors' web pages. The online version of the database is available via the "FAKTS" link on the main menu page and allows filtered searching to generate customized results.

16/11/2012
New FRG-ERG publication
Colombera, L., Felletti, F., Mountney, N.P. and McCaffrey, W.D., 2012. A database approach for constraining stochastic simulations of the sedimentary heterogeneity of fluvial reservoirs. American Association of Petroleum Geologists Bulletin, 96, 2143-2166. (Doc ID 471)

20/11/2012
FRG-ERG Sponsors' Meeting at ICFS 2013
A FRG-ERG sponsors' meeting will be held on Sunday 19th May, 2013, in Leeds, UK (immediately prior to the main International Conference on Fluvial Sedimentology). Representatives from each of our sponsors are welcome to attend. Further details will be released early in 2013.

01/12/2012
New FRG-ERG publication
Ghazi, S., Mountney, N.P., Butt, A.A. and Sharif, S., 2012. Stratigraphic and palaeoenvironmental framework of the Early Permian sequence in the Salt

Range, Pakistan. Journal of Earth System Science, 121, 1239-1255. (Doc ID 460)

21/12/2012
FRG-ERG at the BSRG Conference, Dublin, Ireland
Members of FRG-ERG made 10 presentations at the recent 51st British Sedimentological Research Group Meeting held in Dublin, Ireland, 18th-20th December, 2012. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2012 04 – BSRG).

21/12/2012
Invited keynote presentation at the BSRG Conference, Dublin, Ireland
Nigel Mountney gave an invited keynote presentation entitled "Exceptional preservation of aeolian successions" at the recent BSRG Meeting held in Dublin, Ireland, 18th-20th December, 2012. The presentation can be found on the FRG-ERG website sponsors' pages (keyword: 2012 conference 04 – BSRG; Doc ID 474).

22/12/2012
Poster prize for FRG-ERG conference presentation
FRG-ERG research student Mauricio Santos was awarded the best poster prize at the recent BSRG annual conference held in Dublin in late December. Mauricio's poster can be found on the FRG-ERG website sponsors' pages (keyword: conference 2012 04 – BSRG; Doc ID 479).

23/12/2012
Poster prize for FRG-ERG conference presentation
FRG-ERG research student Hollie Romain was awarded a 'highly commended' poster prize at the recent BSRG annual conference held in Dublin in late December. Hollie's poster can be found on the FRG-ERG website sponsors' pages (keyword: conference 2012 04 – BSRG; Doc ID 483).

28/12/2012
FRG-ERG at AAPG 2013, Pittsburgh
Members of FRG-ERG will be making 5 oral and poster presentations at the forthcoming AAPG Annual Convention and Meeting being held in Pittsburgh, Pennsylvania, 19th to 22nd May, 2013.

30/12/2012
FRG-ERG Phase 2 Progress Report
Two interim progress reports relating to the initial 10 months of FRG-ERG Phase 2 are now available for sponsors to download from the website's private pages. These documents provide succinct summaries of our recent, ongoing and forthcoming activities (keywords: progress report 05 – November 2012; progress report 06 – November 2012; Doc IDs 494 & 495).

31/12/2012
FAKTS Progress Report

An interim progress report relating to ongoing development of the FAKTS database system is now available for sponsors to download from the website's private pages. This document provides succinct summary of the potential applications of FAKTS and illustrates typical output (keyword: progress report 08 – November 2012; Doc ID 497).

02/01/2013
Jen Stuart commences internship with Shell
Jen Stuart will be based at Shell's offices in The Hague, Netherlands from January to April 2013.

01/03/2013
FRG-ERG Sponsors' Meeting at AAPG 2013
The next FRG-ERG sponsors' meeting will be held on Sunday 19th May, 2013, in Pittsburgh, PA (immediately prior to the main AAPG Annual Convention and Exhibition). This event will be held alongside the equivalent TRG sponsors' meeting. Representatives from each of our sponsors are welcome to attend. Further details will be released in the near future.

05/03/2013
New FRG-ERG publication
Bristow, C.S. and Mountney, N.P., 2013. Aeolian Landscapes, Aeolian Stratigraphy. In: Shroder, J. (Ed.), Treatise on Geomorphology. Elsevier, San Diegeo, USA, 11, 246-268. (Doc ID TBC)

02/04/2013
Congratulations to Jo Venus
Congratulations to Jo who has successfully defended her PhD thesis at her viva voce examination. Jo has now left Leeds to take up a post in Shell in The Netherlands. She remains an active member of FRG and is currently writing papers for publication from her research.

20/04/2013
Tullow Oil have joined the FRG-ERG consortium
Tullow Oil have joined the FRG consortium with immediate effect. Welcome on board!

30/04/2013
Junfeng Zhao returns to China
Junfeng Zhao has returned China to resume his research work at Northwest University having spent the past 6 months working with FRG-ERG at Leeds. Junfeng and Nigel Mountney are preparing a series of papers for publication relating to the geology of hydrocarbon basins in China.

17/05/2013
FRG-ERG newsletter 14 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 14 – May 2013; Doc ID 525).

18/05/2013
FRG-ERG at ICFS conference, Leeds, England
Members of FRG-ERG will be making 11 oral and poster presentations at the forthcoming International Conference of Fluvial Sedimentology (ICFS) being held in Leeds, England, 14th-19th July, 2013.

20/05/2013
FRG-ERG Sponsors' Meeting at AAPG 2013
Thanks to all the sponsor representatives who attended the recent sponsors' meeting: your input is greatly valued. All presentations associated with this meeting can be found on the FRG-ERG website sponsors' pages (keyword: sponsor meeting 2013 01 - Pittsburgh).

01/06/2013
FRG-ERG at the AAPG Conference, Pittsburgh, PA
Members of FRG-ERG made 5 presentations at the recent AAPG Annual Convention and Exhibition held in Pittsburgh, PA, 19th-22nd May, 2013. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2013 01 – AAPG).

03/06/2013
FRG-ERG Sponsors' Meeting at ICFS 2013
The next FRG-ERG sponsors' meeting will be held on Sunday 14th July, 2013, in Leeds, England (immediately prior to the main ICFS conference). Representatives from each of our sponsors are welcome to attend. Further details will be released in the near future.

05/07/2013
New FRG-ERG publication
Stuart, J.Y., Mountney, N.P., McCaffrey, W.D., Lang, S. and Collinson, J.D., 2013. Prediction of channel connectivity and fluvial style in the flood basin successions of the Upper Permian Rangal Coal Measures (Queensland). American Association of Petroleum Geologists Bulletin, published online. doi: 10.1306/06171312088 (Doc IDs 596 & 597)

18/07/2013
FRG-ERG at WABS conference, Perth, Australia
Members of FRG-ERG will be making a poster presentation at the forthcoming Western Australia Basins Symposium (WABS) being held in Perth, Western Australia, 18th-21st August, 2013.

20/07/2013
FRG-ERG runs field course at ICFS conference
FRG-ERG members Roman Soltan and Nigel Mountney ran a 1-day field course to investigate the Carboniferous Grimham Grit in North Yorkshire as part of the ICFS conference. The trip was attended by over 60 delegates.

24/07/2013
FRG-ERG at the ICFS Conference, Leeds, England

Members of FRG-ERG made 11 presentations at the recent International Conference on Fluvial Sedimentology held in Leeds, England, 14th-19th July, 2013. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2013 02 – ICFS).

25/07/2013
FRG-ERG Sponsors' Meeting at ICFS 2013
Thanks to all the sponsor representatives who attended the recent sponsors' meeting: your input is greatly valued. All presentations associated with this meeting can be found on the FRG-ERG website sponsors' pages (keyword: sponsor meeting 2013 02 - Leeds).

01/08/2013
New Leeds FRG-ERG PhD student
Welcome to Catherine (Cathey) Burns who has recently joined FRG-ERG to commence her PhD project 'Quantitative prediction of fluvial stratigraphic architecture in overbank successions'.

01/08/2013
New Leeds FRG-ERG PhD student
Welcome to Catherine Russell who has recently joined FRG-ERG to commence her PhD project 'Controls on point-bar architecture in fluvial and tidally-influenced successions'.

04/08/2013
FRG-ERG at IAS conference, Manchester, England
Members of FRG-ERG will be making 4 oral and poster presentations at the forthcoming International Association of Sedimentologists (IAS) conference being held in Manchester, England, 2nd-5th September, 2013.

05/08/2013
New FRG-ERG publication
Romain, H. and Mountney, N.P., 2013. Reconstruction of 3D eolian-dune architecture from 1D core data through application of outcrop analogue data. American Association of Petroleum Geologists Bulletin, published online. doi: 10.1306/05201312109 (Doc IDs 604 & 605)

15/08/2013
New FRG-ERG publication
Banham, S.G. and Mountney, N.P., 2013. Controls on fluvial sedimentary architecture and sediment-fill state in salt-walled mini-basins: Triassic Moenkopi Formation, Salt Anticline Region, SE Utah, USA. Basin Research, published online. doi: 10.1111/bre.12022 (Doc ID 521)

24/08/2013
FRG-ERG at the WABS Conference, Perth, Australia
Members of FRG-ERG made a presentation at the recent Western Australia Basins Symposium held in Perth, WA, 18th-21st August, 2013. The presentation can be found on the FRG-ERG website sponsors' pages (keyword: conference 2013 03 – WABS).

28/08/2013
New FRG-ERG publication
Banham, S.G. and Mountney, N.P., 2013. Climatic versus halokinetic control on sedimentation in a dryland fluvial succession: Triassic Moenkopi Formation, Utah, USA. Sedimentology, published online. doi: 10.1111/sed.12064 (Doc ID 634)

01/09/2013
Congratulations to Luca Colombera
Congratulations to Luca who has now submitted his PhD thesis and who has now commenced a new role as a Post-Doctoral Research Associate for a 3-year appointment shared jointly between FRG-ERG and TRG. Luca will continue the on-going development of the FAKTS and D-MAKS architectural databases.

03/09/2013
New FRG-ERG publication
Banham, S.G. and Mountney, N.P., 2013. Evolution of fluvial systems in salt-walled minibasins: a review and new insights. Sedimentary Geology, 296, 142-166. doi: 10.1016/j.sedgeo.2013.08.010 (Doc ID 633)

05/09/2013
New FRG-ERG publication
Al-Masrahy, M.A. and Mountney, N.P., 2013. Remote sensing of spatial variability in aeolian dune and interdune morphology in the Rub' Al-Khali, Saudi Arabia. Aeolian Research, published online. doi: 10.1016/j.aeolia.2013.06.004 (Doc ID 616)

10/09/2013
FRG-ERG at the IAS Conference, Manchester, England
Members of FRG-ERG made 4 presentations at the recent International Association of Sedimentologists (IAS) conference, Manchester, England, 2nd-5th September, 2013. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2013 04 – IAS).

11/09/2013
Invited keynote presentation at the IAS Conference, Manchester, England
Nigel Mountney, with co-authors Steve Banham and Jo Venus, gave an invited keynote presentation entitled "Controls on fluvial stratigraphic architecture in salt-walled mini-basins" at the recent IAS Meeting held in Manchester, England, 2nd-5th September, 2013. The presentation can be found on the FRG-ERG website sponsors' pages (keyword: conference 2013 04 – IAS).

15/09/2013
New FRG-ERG publication
Colombera, L., Mountney, N.P. and McCaffrey, W.D., 2013. A quantitative approach to fluvial facies models: methods and example results. Sedimentology, 60, 1526-1558. doi: 10.1111/sed.12050 (Doc ID 632)

28/09/2013
New FRG-ERG publication
Santos, M.G.M., Almeida, R.P., Marconato, A., Godinho, L.P.S. and Mountney, N.P., 2013. Distinct styles of fluvial deposition in a Cambrian rift basin. Sedimentology, published online. doi: 10.1111/sed.12074 (Doc ID 635)

01/10/2013
New Leeds PhD student
Welcome to Giacomo Medici who has recently commenced his PhD project 'Flow heterogeneity in the Sherwood Sandstone; resolving the roles of faults versus sedimentary structures'.

01/10/2013
New Leeds FRG-ERG research student
Welcome to Mahmud Kathery who has recently joined FRG-ERG to commence his research project 'Analysis of reservoir and top-seal heterogeneity in Permo-Triassic fluvial and aeolian successions of the Rotligend and Sherwood Sandstone groups, UK'.

08/10/2013
New FRG-ERG publication
Al-Masrahy, M.A. and Mountney, N.P., 2013. Spatial variability in eolian dune and interdune morphology in the Rub' Al-Khali dunefield, Saudi Arabia. AAPG Search and Discovery, 50830, 1-4. (Doc ID 699)

17/10/2013
FRG-ERG newsletter 15 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 15 – May 2013; Doc ID 642).

08/11/2013
Congratulations to Luca Colombera
Congratulations to Luca who has successfully defended his PhD thesis at his viva voce examination. Luca will be based in FRG-ERG at Leeds for at least a further three years as part of his post-doctoral research position further developing the FAKTS and D-MAKS architectural databases.

11/11/2013
New FRG-ERG research partnership
Welcome to Manoela Bettarel Bállico who will be working with members of FRG-ERG during a visit to Leeds in November 2013. Manoela is based at UFRGS in Brazil where she works with Claiton Scherer on Proterozoic aeolian and fluvial successions with the aim of building high-resolution palaeogeographical and sequence stratigraphic models.

12/11/2013
New FRG-ERG publication

Wakefield, O.J.W. and Mountney, N.P., 2013. Stratigraphic architecture of back-filled incised-valley systems: Pennsylvanian-Permian lower Cutler beds, Utah, USA. Sedimentary Geology, 298, 1-16. doi: 10.1016/j.sedgeo.2013.10.002 (Doc ID 644)

13/11/2013
New FRG-ERG publication
Soltan, R., Mountney, N.P., McCaffrey, W.D. and Paton, D.A., 2013. Reconstruction of Channel and Barform Architecture in a Pennsylvanian Fluvio-Deltaic Succession: Brimham Grit, Northern England. AAPG Search and Discovery, 50884, 1-4. (Doc ID 645)

15/11/2013
Aeolian Research Special Issue
FRG-ERG members have recently acted as guest editors for a Special Issue entitled “Mechanisms of Aeolian System Construction, Accumulation and Preservation” in the journal Aeolian Research. This thematic set of papers is published in volume 11 of the journal.
http://www.sciencedirect.com/science/journal/18759637/11
(See also Doc IDs 636 & 646)

16/11/2013
New FRG-ERG publication
Rodríguez-López, J.P., Clemmensen, L., Mountney, N.P. and Veiga, G., 2013. Editorial. Aeolian Research, 11, 127-128. doi: 10.1016/j.aeolia.2013.08.004 (Doc ID 636)

17/11/2013
New FRG-ERG publication
Al-Masrahy, M.A. and Mountney, N.P., 2013. Remote sensing of spatial variability in aeolian dune and interdune morphology in the Rub’ Al-Khali, Saudi Arabia. Aeolian Research, 11, 155-170. doi: 10.1016/j.aeolia.2013.06.004 (Doc ID 699)

20/12/2013
Congratulations to Steve Banham
Congratulations to Steve who has successfully defended his PhD thesis at his viva voce examination. Steve has now left Leeds to take up a post with the British Geological Survey in Edinburgh. He remains an active member of FRG-ERG and is currently writing papers for publication from his research. He has recently had papers published in Sedimentary Geology (Doc ID 633), Basin Research (Doc ID 700) and Sedimentology (Doc ID 702).

21/12/2013
FRG-ERG at the BSRG Conference, University of Hull, England
Members of FRG-ERG made 11 presentations at the recent 52nd British Sedimentological Research Group Meeting held at the University of Hull, England, 19th-21st December, 2013. All presentations can be found on the FRG-ERG website sponsors’ pages (keyword: conference 2013 05 – BSRG).

02/01/2014
New FRG-ERG publication
Banham, S.G. and Mountney, N.P., 2013. Controls on fluvial sedimentary architecture and sediment-fill state in salt-walled mini-basins: Triassic Moenkopi Formation, Salt Anticline Region, SE Utah, USA. Basin Research, 25, 709-737. doi: 10.1111/bre.12022 (Doc ID 700).

05/01/2014
New Research partnership with Claiton Scherer, UFRGS, Brazil
FRG-ERG are delighted to announce a new collaborative research alliance with Professor Claiton Scherer and members of his research group based at UFRGS, Brazil. Claiton has expertise in the sedimentology of aeolian, fluvial and lacustrine systems and the application of novel techniques for the characterization of non-marine hydrocarbon reservoirs. Claiton and members of his research group have contributed 40 papers, presentations and reports based on their research findings to the FRG-ERG group. These are all available via the website (search using keyword “UFRGS”; Doc IDs 658 to 698).

10/01/2014
New FRG-ERG publication
Romain, H. and Mountney, N.P., 2014. Reconstruction of 3D eolian-dune architecture from 1D core data through application of outcrop analogue data. American Association of Petroleum Geologists Bulletin, 98, 1-22. doi: 10.1306/05201312109 (Doc ID 701).

20/01/2014
New FRG-ERG publication
Banham, S.G. and Mountney, N.P., 2014. Climatic versus halokinetic control on sedimentation in a dryland fluvial succession: Triassic Moenkopi Formation, Utah, USA. Sedimentology, 61, 570-608. doi: 10.1111/sed.12064 (Doc ID 702).

23/01/2014
FRG-ERG at AAPG 2014, Houston
Members of FRG-ERG will be making 9 oral and poster presentations at the forthcoming AAPG Annual Convention and Meeting being held in Houston, Texas, 6th to 9th April, 2014. See FRG-ERG Newsletter 16 for a list of presentations.

24/01/2014
FRG-ERG Sponsors’ Meeting at AAPG 2014
The next FRG-ERG sponsors’ meeting will be held on Sunday 6th April, 2014, in Houston, TX (immediately prior to the main AAPG Annual Convention and Exhibition). This event will be held alongside the equivalent TRG sponsors’ meeting. Representatives from each of our sponsors are welcome to attend. Further details will be released in the near future.

25/01/2014
Announcement: FRG-ERG Sponsors’ field course, autumn 2014

In autumn (fall) of 2014, we are planning a major sponsors' field course that will be combined with a sponsors' meeting. The venue will be Moab in SE Utah. Information is available in our initial announcement document (Doc ID 643).

26/01/2014
FRG-ERG Phase 3 (Jan 2015- Dec 2017)
Initial Announcement: We are currently making initial preparations for FRG-ERG Phase 3, which will run from January 2015 until December 2017. At this time we invite initial expressions of interest from existing and new potential sponsor companies. Details of the planned research and knowledge-transfer programme and planned membership costs will be circulated ahead of the 2014 AAPG meeting in Houston.

27/01/2014
On-going development of FAKTS web-based front-end
We are currently in the process of extending the functionality of the web-based front-end to the FAKTS fluvial architectural database system. We plan to make the new version live in February 2014.

28/01/2014
FRG-ERG newsletter 16 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 16 – Jan 2014; Doc ID 707).

15/02/2014
New FRG-ERG publication
Stuart, J.Y., Mountney, N.P., McCaffrey, W.D., Lang, S. and Collinson, J.D., 2014. Prediction of channel connectivity and fluvial style in the flood basin successions of the Upper Permian Rangal Coal Measures (Queensland). American Association of Petroleum Geologists Bulletin, 98, 191-212. doi: 10.1306/06171312088 (Doc ID 762).

10/03/2014
FRG-ERG at a Geological Society of London Conference
Members of FRG-ERG made a presentation at the recent GSL Meeting on 'Reducing Subsurface Uncertainty' held at Burlington House, London, 4th-8th March, 2014. The presentation can be found on the FRG-ERG website sponsors' pages (keyword: conference 2014 01 – reducing subsurface uncertainty; Doc ID 712).

20/03/2014
New FRG-ERG publication
Southern, S.J., Mountney, N.P. and Pringle, J.K., 2014. Sedimentary evolution of the Southern Pennine Basin, Carboniferous (Namurian), U.K. Geology Today, 30, 71-78. doi: 10.1111/gto.12044 (Doc ID 738).

09/04/2014
FRG-ERG Sponsors' Meeting at AAPG 2014

Thanks to all the sponsor representatives who attended the recent sponsors' meeting: your input is greatly valued. All presentations associated with this meeting can be found on the FRG-ERG website sponsors' pages (keyword: sponsor meeting 2014 01 - Houston).

10/04/2014
FRG-ERG at the AAPG Conference, Houston, TX
Members of FRG-ERG made 9 presentations at the recent AAPG Annual Convention and Exhibition held in Houston, TX, 6th-9th April, 2014. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2014 02 – AAPG).

12/05/2014
New FRG-ERG publication
Santos, M.G.M., Almeida, R.P., Marconato, A., Godinho, L.P.S. and Mountney, N.P., 2014. Distinct styles of fluvial deposition in a Cambrian rift basin. Sedimentology, 61, 881-914. doi: 10.1111/sed.12074 (Doc ID 759).

15/05/2014
Sedimentology front cover image
The image on the front cover of the June 2014 issue of the journal 'Sedimentology' (Volume 61, Number 4) depicts a 'sheet-braided' style of fluvial architecture from the Cambrian Guarda Velha Formation of the Camaquã Basin, Brazil. For further details see the following paper: Santos, M.G.M., Almeida, R.P., Marconato, A., Godinho, L.P.S. and Mountney, N.P., 2014. Distinct styles of fluvial deposition in a Cambrian rift basin. Sedimentology, 61, 881-914. doi: 10.1111/sed.12074 (Doc ID 759)

10/06/2014
Congratulations to Steve Banham
Congratulations to Steve who has successfully defended his PhD thesis at his viva voce examination. Steve currently works for the British Geological Survey in Edinburgh. He remains an active member of FRG.

24/06/2014
New FRG-ERG publication
Huang, L., Liu, C., Wang, Y., Zhao, J. and Mountney, N.P., 2014. Neogene-Quaternary post-rift tectonic reactivation of the Bohai Bay Basin, eastern China. American Association of Petroleum Geologists Bulletin, 98, 1377-1400. doi: 10.1306/03071413046 (Doc ID 760).

04/07/2014
Congratulations to Maurício Santos
Congratulations to Maurício who has successfully defended his PhD thesis at his viva voce examination at the University of São Paulo. Maurício specializes in the sedimentary architecture of pre-vegetation fluvial successions. He remains an active member of FRG.

22/07/2014
New FRG-ERG publication

Almasrahy, M.A. and Mountney, N.P., 2014. Approaches to modelling stratigraphic heterogeneity in mixed fluvial and aeolian hydrocarbon reservoirs. AAPG Search and Discovery, 41399, 1-4. (Doc ID 753).

19/08/2014
Nigel Mountney appointed to Bureau of IAS
At the International Sedimentological Congress held in Geneva in August, Nigel Mountney was formally appointed to Bureau of the International Association of Sedimentologists (IAS).

20/08/2014
New FRG-ERG publication
Shiers, M.N., Mountney, N.P., Hodgson, D.M. and Cobain, S.L., 2014. Depositional Controls on Tidally Influenced Fluvial Successions, Neslen Formation, Utah, USA. Sedimentary Geology, 311, 1-16. doi: 10.1016/j.sedgeo.2014.06.005 (Doc ID 807).

21/08/2014
Nigel Mountney takes over as Chief Editor of Sedimentology
At the International Sedimentological Congress held in Geneva in August, Nigel Mountney formally took over as Chief Editor for the journal Sedimentology, a role that he will share with Tracy Frank, University of Lincoln, Nebraska.

24/08/2014
FRG-ERG at the ISC Conference, Geneva, Switzerland
Members of FRG-ERG made 4 presentations at the recent International Sedimentological Congress (ISC) held in Geneva, Switzerland, 18th-22nd August, 2014. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2014 03 – ISC Geneva).

02/09/2014
New FRG-ERG publication
Duller, R.A., Warner, N.H., McGonigle, C., De Angelis, S., Russell, A.J. and Mountney, N.P., 2014. Landscape reaction, response and recovery following the catastrophic 1918 Katla jökulhlaup, southern Iceland. Geophysical Research Letters, 41, 4214-4221, doi: 10.1002/2014GL060090 (Doc ID 808).

03/09/2014
Visiting internship student from Durham University
Welcome to Katie Petty (final year MGeol student at Durham University) who will undertake a one-month internship working with FRG-ERG at Leeds to assist in the construction of an 'Online Atlas of Fluvial and Aeolian Facies'.

05/09/2014
Shell have joined the FRG-ERG Phase 2 consortium
Shell have joined the FRG-ERG Phase 2 consortium with immediate effect. Welcome back!

22/09/2014

New FRG-ERG publication
Rodríguez-López, J.P., Clemmensen, L., Lancaster, N., Mountney, N.P. and Veiga, G., 2014. Archean to Recent aeolian sand systems and their preserved successions: current understanding and future prospects. Sedimentology, 61, 1487-1534. doi: 10.1111/sed.12123 (Doc ID 809).

This major publication is an invited State-of-the-Science Review paper and is supported by a wealth of supplementary supporting material that can be downloaded from the journal's web site.

28/09/2014
New FRG-ERG publication
Colombera, L., Mountney, N.P., McCaffrey, W.D. and Felletti, F., 2014. Models for guiding and ranking well-to-well correlations of channel bodies in fluvial reservoirs. American Association of Petroleum Geologists Bulletin, 98, 1493-1965. doi: 10.1306/05061413153 (Doc ID 810).

03/10/2014
FRG-ERG newsletter 17 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 17 – October 2014; Doc ID 811).

15/11/2014
FRG-ERG newsletter 18 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 18 – November 2014; Doc ID 817).

01/12/2014
Congratulations to Luca Colombera: SPE Award
Congratulations to Luca Colombera who has been selected as a winner of a Society of Petroleum Engineers (SPE) 2014 Theses Award for significant results arising from a doctoral degree.

Congratulations to Luca Colombera who has been selected as a winner of a Society of Petroleum Engineers (SPE) 2014 Theses Award for significant results arising from a doctoral degree. Luca was a recipient of the 2014 Gustavo Sclocchi Award. The awards are dedicated to those students who have achieved great results arising from their dissertations and doctoral degrees in petroleum engineering, geoscience and other disciplines related to the Oil & Gas industry. The award is aimed at encouraging and rewarding university graduates who specialize in petroleum engineering, geo-sciences and other disciplines related to the oil & gas industry.

http://www.speitaly.org/event/2014-gustavo-sclocchi-award/

19/12/2014
Congratulations to Hollie Romain

Congratulations to Hollie who has successfully defended her PhD thesis at her viva voce examination at the University of Leeds. Hollie specializes in developing predictive models for subsurface stratigraphic architecture and heterogeneity in aeolian reservoir successions. She commences work for Shell in January 2015 but remains involved in FRG-ERG through preparation of a series of papers for submission for publication.

20/12/2014
New Leeds FRG-ERG research student
Welcome to Oscar Arévalo Báez who has recently joined FRG-ERG to commence his research studentship project entitled 'Tectonic, eustatic and climatic controls on facies architecture of distal fluvial systems: Los Santos Formation, Eastern Cordillera and Middle Magdalena Valley (Colombia)'.

21/12/2014
Congratulations to Catherine Russell: BSRG best poster award
FRG-ERG research student Catherine Russell was awarded the best poster prize at the recent BSRG annual conference held in Nottingham in late December. Catherine's poster can be found on the FRG-ERG website sponsors' pages (keyword: conference 2014 04 – BSRG; Doc ID TBC).

Russell, C., Mountney, N.P., Hodgson, D.M. and Colombera, L., 2014. Depositional models to account for stratigraphic complexity in fluvial point bars: integration of modern data from GIS studies with ancient outcrop data. British Sedimentological Research Group, 53, British Geological Survey, Nottingham, UK.

22/12/2014
FRG-ERG at the BSRG Conference, Nottingham, England
Members of FRG-ERG made 10 presentations at the recent 53rd British Sedimentological Research Group Meeting hosted by the British Geological Survey in Nottingham, England, 20th-22nd December, 2014. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2014 04 – BSRG).

01/01/2015
Fluvial & Eolian Research Group Phase 3 launch
We are delighted to announce the official launch of Phase 3 of the Fluvial & Eolian Research Group (FRG-ERG) within the School of Earth and Environment at the University of Leeds. Phase 3 of the consortium will run from January 2015 until December 2017.

12/01/2015
YPF have joined the FRG-ERG Phase 3 consortium
YPF have joined the FRG-ERG Phase 3 consortium with immediate effect. Welcome!

13/01/2015
Access to FRG-ERG web-based knowledge base

Several existing sponsors are currently finalizing contracts for Phase 3 membership of FRG-ERG. During the period of transition from Phase 2 to Phase 3 of the consortium project, we will maintain access to the FRG-ERG web-based knowledge base for all sponsors to ensure continuity of access.

18/01/2015
Shell have joined the FRG-ERG Phase 3 consortium
Shell have joined the FRG-ERG Phase 3 consortium with immediate effect. Welcome back!

25/02/2015
New FRG-ERG publication
Almasrahy, M.A. and Mountney, N.P., 2015. A classification scheme for fluvial–aeolian system interaction in desert-margin settings, *Aeolian Research*, **17**, 67-88. doi:10.1016/j.aeolia.2015.01.010 (Doc ID 887).

02/03/2015
New FRG-ERG publication
Venus, J.H., Mountney, N.P. and McCaffrey, W.D., 2015. Synsedimentary salt diapirism as a control on fluvial system evolution: an example from the Permian Cutler Group, SE Utah, U.S.A. *Basin Research*, **27**, 152-182. doi: 10.1111/bre.12066 (Doc ID 889).

03/03/2015
New FRG-ERG research partnership
Members of FRG-ERG at Leeds have teamed up with Juan Pedro (Juampe) Rodríguez-López to further develop and expand our shared research programme on modern and ancient examples of fluvial-aeolian-coastal interaction.

04/03/2015
New FRG-ERG publication
Colombera, L, Mountney, N.P. and McCaffrey, W.D., 2015. A meta-study of relationships between fluvial channel-body stacking pattern and aggradation rate: implications for sequence stratigraphy. *Geology*, published online. doi:10.1130/G36385.1 (Doc ID 876).

04/03/2015
FRG-ERG newsletter 19 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 19 – March 2015; Doc ID 844).

05/03/2015
FRG-ERG presentations at Denver AAPG Meeting, 31st May 2015
Leeds-based members of FRG-ERG will be making 8 poster presentations at the forthcoming AAPG Annual Convention in Denver, Colorado (31st May to 3rd June, 2015). John Holbrook and members of his group based in Texas will be making additional presentations.

- Alkathery, M. and Mountney, N.P., 2015. Sedimentary and stratigraphic expression of fluvial-eolian interactions: examples from the Skeleton Coast of Namibia and the Triassic Helsby Sandstone Formation, UK, with implications for reservoir heterogeneity. AAPG Annual Convention, Denver, CO, USA.
- Al-Masrahy, M.A. and Mountney, N.P., 2015. A quantitative approach to the characterization of sedimentary architecture in mixed eolian-fluvial reservoir successions. AAPG Annual Convention, Denver, CO, USA.
- Burns, C., Mountney, N.P., Hodgson, D.M. and Colombera, L., 2015. Controls on stratigraphic architecture in fluvial overbank successions: implications for hydrocarbon recovery in low net-to-gross fluvial systems. AAPG Annual Convention, Denver, CO, USA.
- Colombera, L, Mountney, N.P., Howell, J.A., Rittersbacher, A. and McCaffrey, W.D., 2015. Geological modeling of outcrop successions to assess analog-based predictions of the sedimentary heterogeneity in fluvial reservoirs. AAPG Annual Convention, Denver, CO, USA.
- Romain, H.G. and Mountney, N.P., 2015. Controls on stratigraphic complexity in eolian bed-set architecture: implications for reservoir heterogeneity. AAPG Annual Convention, Denver, CO, USA.
- Russell, C., Mountney, N.P., Hodgson, D.M. and Colombera, L., 2015. Prediction of internal architecture and heterogeneity within fluvial point bars through analysis of modern and ancient examples. AAPG Annual Convention, Denver, CO, USA.
- Shiers, M.N., Mountney, N.P. and Hodgson, D.M., 2015. Recognition criteria for position within an ancient fluvial-to-tidal transition zone: stratigraphic architecture of a 70 km dip transect, Neslen Formation, Utah. AAPG Annual Convention, Denver, CO, USA.
- Wakefield, O., Mountney, N.P. and Hough, E., 2015. Three-dimensional stratigraphic complexity within mixed aeolian-fluvial successions: implications for reservoir connectivity. AAPG Annual Convention, Denver, CO, USA.

15/04/2015
New FRG-ERG publication
Ghazi, S. and Mountney, N.P. and Sharif, S., 2015. Lower Permian fluvial cyclicity and stratigraphic evolution on the northern margin of Gondwanaland: Warchha Sandstone, Salt Range, Pakistan. Journal of Asian Earth Sciences, 105, 1-17. doi: 10.1016/j.jseaes.2015.03.001 (Doc ID 880).

28/04/2015
Nexen have joined the FRG-ERG Phase 3 consortium
Nexen have joined the FRG-ERG Phase 3 consortium with immediate effect. Welcome back!

01/05/2015
New Leeds FRG-ERG Research Fellow
Welcome to Na Yan who has recently joined FRG-ERG to commence her Post-Doctoral Research Fellowship project ‘Numerical modelling of stratigraphic heterogeneity in tidally influenced fluvial point-bar successions’. This is a separate project to the main FRG-ERG consortium project.

08/05/2015
Murphy Oil Corporation has joined the FRG-ERG Phase 3 consortium
Murphy Oil Corporation has joined the FRG-ERG Phase 3 consortium with immediate effect. Welcome!

05/06/2015
Visiting FRG-ERG research student

Welcome to Yul Altolaguirre who has come to Leeds as a visiting research student to work on a project related to palynology of aeolian interdune successions for palaeoenvironmental reconstruction. Yul is based formally at the Departamento de Estratigrafía, Universidad Complutense, Madrid, Spain and is supervised by Juan Pedro Rodríguez-López (now at the University of South Wales, UK).

08/06/2015
FRG-ERG at the AAPG Conference, Denver, CO
Members of FRG-ERG made 8 presentations at the recent AAPG Annual Convention and Exhibition held in Denver, CO, 31st May to 2nd June, 2015. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2015 01 – AAPG).

02/07/2015
New FRG-ERG research partnership
Members of FRG-ERG at Leeds have teamed up with Giorgio Basilici (UNICAMP, Brazil) and Patrick Francisco Führ Dal' Bo (Federal University of Rio de Janeiro) to further develop and expand our shared research programme on modern and ancient examples of fluvial-aeolian-coastal interaction. A selection of papers are available for download from the FRG-ERG web site (Doc IDs: 898-907).

03/07/2015
FRG-ERG at the IAS 31st Meeting of Sedimentology, Karków, Poland
Members of FRG-ERG made 3 presentations at the recent IAS conference held in Karków, Poland, 22nd-25th June, 2015. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2015 02 – IAS).

13/07/2015
New FRG-ERG publications
A selection of recent publications from Manoela de Bállico and colleagues based at UFRGS (Brazil) are now available for sponsors to download from the FRG-ERG web site (Doc IDs: 908-911).

14/07/2015
FRG-ERG at the 15th Bathurst Meeting of Carbonate Sedimentologists, Edinburgh, Scotland
FRG-ERG member Heero Abdullah made a poster presentation at the recent Bathurst Meeting held in Edinburgh, Scotland. Heero's presentation can be found on the FRG-ERG website sponsors' pages (keyword: conference 2015 03 – Bathurst; Doc IDs: 890-891).

16/07/2015
Major update to FRG-ERG Knowledge Database
Sixty-four new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors: 27 posters, 27 papers, 4 PowerPoint presentations and 2 reports detail our latest research results (Doc IDs: 847-911).

17/07/2015
More than 900 research documents now online
There are now more 900 research and knowledge-transfer documents online on the FRG-ERG web site available for download by our sponsors.

31/07/2015
FRG-ERG newsletter 20 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 20 – July 2015; Doc ID 912).

02/09/2015
New publication
Spychala, Y., Hodgson, D.M., Flint, S.S. and Mountney, N.P., 2015. Transient but pertinent: constraining the sedimentary architecture of submarine intraslope lobes using exhumed examples from the Karoo Basin, South Africa. Sedimentary Geology, 322, 67-81. doi: 10.1016/j.sedgeo.2015.03.013 (Doc ID 893).

10/09/2015
New FRG-ERG publication
Medici, G., Boulesteix, K., Mountney, N.P., West, L.J. and Odling, N.E., 2015. Palaeoenvironment of braided fluvial systems in different tectonic realms of the Triassic Sherwood Sandstone Group, UK. Sedimentary Geology, 329, 188-210. doi: 10.1016/j.sedgeo.2015.09.012 (Doc ID 917).

14/09/2015
Congratulations to Jen Stuart
Congratulations to Jen who has successfully defended her PhD thesis at her viva voce examination at the University of Leeds. Jen's thesis is entitled "Subsurface architecture of fluvial-deltaic deposits in high- and low-accommodation settings". Jen currently works for Shell in London.

20/09/2015
FRG-ERG at the IAH Congress, Rome, Italy
Giacomo Medici made an oral presentation at the 42nd International Association of Hydrogeologists Congress held in Rome, Italy, 13th-18th September, 2015. The presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2015 04 – IAH).

12/10/2015
New FRG-ERG research partnership
Members of FRG-ERG at Leeds have teamed up with Juan Pedro Rodríguez-López (University of South Wales) to further develop and expand our shared research programme on modern and ancient examples of aeolian and fluvio-aeolian-coastal systems and interactions.

15/11/2015
New FRG-ERG publications

A selection of recent publications from Juan Pedro Rodríguez-López and colleagues detailing examples of various successions of mixed aeolian, fluvial, coastal and shallow-marine origin are now available for sponsors to download from the FRG-ERG web site (Doc IDs: 922-944).

16/11/2015
New FRG-ERG publications
A selection of recent publications from John Holbrook and colleagues detailing examples of modern fluvial barform architectures and behaviour and ancient preserved fluvial point-bar successions are now available for sponsors to download from the FRG-ERG web site (Doc IDs: 945-967).

17/11/2015
More than 950 research documents now online
There are now more 950 research and knowledge-transfer documents online on the FRG-ERG web site available for download by our sponsors.

23/11/2015
Major update to FRG-ERG Knowledge Database
Fifty-seven new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors: 27 papers, 13 PowerPoint presentations, 5 poster presentation, 10 theses and 2 summary reports detail our latest research results (Doc IDs: 913-969).

24/11/2015
Jen Stuart PhD thesis added to FRG-ERG Knowledge Database
Jen Stuart's PhD thesis, entitled "Subsurface architecture of fluvial-deltaic deposits in high- and low-accommodation settings", is now available for sponsors to download form the FRG-ERG Knowledge Database (Doc IDs: 968 and 969).

25/11/2015
FRG-ERG newsletter 21 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 21 – Nov 2015; Doc ID 970).

23/12/2015
FRG-ERG at the BSRG Conference, Keele University, England
Members of FRG-ERG made 7 presentations at the recent 54th British Sedimentological Research Group Meeting hosted by Keele University, England, 20th-22nd December, 2015. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2015 05 – BSRG).

10/01/2016
New publication
Zhao, J., Mountney, N.P., Liu, C., Qu, H. and Lin, J., 2015. Outcrop Architecture of a Fluvio-Lacustrine Succession: Upper Triassic Yanchang Formation, Ordos Basin, China. Marine and Petroleum Geology, 68, 394-413. doi: 10.1016/j.marpetgeo.2015.09.001 (Doc ID: 1011)

15/01/2016
Forthcoming: FRG-ERG at the AAPG ICE, Barcelona, Spain
Oscar Arevalo will make a presentation at the AAPG/SEG International Conference and Exhibition (ICE), 3rd to 6th April, 2016, Barcelona, Spain. The abstract for the presentation can be found on the FRG-ERG website sponsors' pages (Doc ID: 1014).

22/01/2016
New publication
Soltan, R. and Mountney, N.P., 2016. Interpreting complex fluvial channel and barform architecture: Carboniferous Central Pennine Province, northern England. Sedimentology, 63, 207-252. doi: 10.1111/sed.12224 (Doc ID: 987)

31/01/2016
More than 1000 research documents now online
There are now more 1000 research and knowledge-transfer documents online on the FRG-ERG web site available for download by our sponsors.

01/02/2016
Four fully funded PhD studentships available
There are currently **4 fully funded projects** within our Fluvial and Eolian Research Group for which we are seeking applications.
Please click on the links below for more information:

- Deciphering the relative roles of allogenic versus autogenic controls on fluvial system architecture
- Application of quantitative analysis of fluvial sedimentary architecture to improved facies and reservoir modelling workflows
- Fluvio-lacustrine system response to rift- and intermontane-basin evolution: quantitative models of sedimentary architecture
- Modelling fluvial, aeolian and lacustrine response to differential rates of accommodation generation in developing rift and salt basins

For further information about these projects, please contact Dr Nigel Mountney.
The application deadline for these projects is 15th February 2016.

03/02/2016
New publication
Zhao, J., Liu, C., Mountney, N.P., Lu, J., Cao, J., Yang, Y. and Xue, R., 2016. Timing of uplift and evolution of the Lüliang Mountains, North China Craton. Science China: Earth Sciences, 59, 58-69. doi: 10.1007/s11430-015-5153-z (Doc ID: 972)

04/02/2016
Forthcoming: FRG-ERG at the AAPG ACE, Calgary, Canada
Members of FRG-ERG will be making 10 presentations at the AAPG Annual Conference and Exhibition (ACE), 19th to 22nd June, 2016, Calgary, Canada. The abstracts for the presentation can be found on the FRG-ERG website sponsors' pages (Doc ID: 999).

05/02/2016
New publication
Colombera, L, Mountney, N.P., Howell, J.A., Rittersbacher, A., Felletti, F. and McCaffrey, W.D., 2016. A test of analog-based tools for quantitative prediction of large-scale fluvial architecture. American Association of Petroleum Geologists Bulletin, 100, 237-267. doi: 10.1306/11181514227 (Doc ID: 1000)

06/02/2016
Forthcoming: FRG-ERG at the IAS IMS, Marrakech, Morocco
FRG-ERG are involved in running 2 Special Sessions at the forthcoming IAS International Meeting of Sedimentology, 23rd to 25th May, 2016, Marrakech, Morocco.

https://www.sedimentologists.org/ims2016/

Special Session SS1: Desert basins: sedimentology and evolution of depositional systems.
Special Session SS2: Fluvial meanders and their sedimentary products in the fossil record.

07/02/2016
Detnor have joined the FRG-ERG Phase 3 consortium
Det norske oljeselskap ASA (Detnor) have joined the FRG-ERG Phase 3 consortium with immediate effect. Welcome!

13/02/2016
Major update to FRG-ERG Knowledge Database
Forty-four new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors: 15 papers, 7 PowerPoint presentations, 3 poster presentations, 4 theses and 15 other reports detail our latest research results (Doc IDs: 971-1014).

14/02/2016
Forthcoming: FRG-ERG at the IGC, Cape Town, South Africa
Na Yan will make a presentation at the 35th International Geological Congress (IGC), 27th August to 4th September, 2016, Cape Town, South Africa. The abstract for the presentation can be found on the FRG-ERG website sponsors' pages (Doc ID: 1009).

15/02/2016
NERC funding success
FRG-ERG have been awarded a NERC Research Innovation Grant to work on a project entitled "Database technology for geological modelling of hydrocarbon reservoirs". The project will run for 12 months from February 2016.

10/03/2016
FRG-ERG presentation to the Leeds Geological Association (LGA)
Nigel Mountney gave a talk to the LGA (www.leedsga.org.uk) on 10th March 2016, entitled "The sedimentary record of giant rivers". A copy of the Power

Point presentation can be found on the FRG-ERG website sponsors' pages (Doc ID: 1018).

22/03/2016
Congratulations to Mohammed Al-Masrahy
Congratulations to Mohammed who has successfully defended his PhD thesis at his viva voce examination at the University of Leeds. Mohammed's thesis is entitled "Fluvial and Aeolian interactions in modern and ancient dryland continental sedimentary systems: implications for reservoir heterogeneity". Mohammed was funded by Saudi Aramco, so thank you to them for their support (Doc ID's: 991 and 992).

05/04/2016
Forthcoming: FRG-ERG field trip with the Leeds Geological Association (LGA)
Roman Soltan has been invited by the LGA (www.leedsga.org.uk) to run a field trip on 18th June 2016 to Brimham Rocks, North Yorkshire. The field trip run in conjunction with the LGA is entitled "Interpreting complex fluvial channel and barform architecture: Carboniferous Central Pennine Province, northern England" (Soltan, R. and Mountney, N.P.).

07/04/2016
Forthcoming: FRG-ERG at the EAGE, Trondheim, Norway
Nigel Mountney is giving the plenary invited keynote talk at the EAGE Second Conference on Forward Modelling of Sedimentary Systems, 25th to 28th April, 2016, Trondheim, Norway (www.eage.org/event/?eventid=1415). The talk is entitled "Validation of numerically generated stratigraphic architecture" (Nigel P. Mountney, Luca Colombera, Na Yan, Robert M. Dorrell & William D. McCaffrey). An extended abstract of the keynote talk will be posted on the FRG-ERG website sponsors' pages (Doc ID: 1022).

09/04/2016
Forthcoming: FRG-ERG at the International Association of Hydrogeologists, Belfast, Northern Ireland
Research conducted by the FRG-ERG is to be presented at the forthcoming Groundwater in Fractured Bedrock Environments: Managing Catchment and Subsurface Resources conference being held in Belfast, Northern Ireland, 10th June 2016 (www.geolsoc.org.uk/fracturedbedrocks). The presentation is entitled "Characterizing flow heterogeneities in a fractured aquifer: Triassic St Bees Sandstone Formation (NW England, UK)" (Giacomo Medici, L. Jared West, Nigel P. Mountney). The abstract for the presentation can be found on the FRG-ERG website sponsors' pages (Doc ID: 990).

10/04/2016
Forthcoming: FRG-ERG at the 35th International Geological Congress (IGC), Cape Town, South Africa
Luca Colombera is giving an invited keynote talk at the 35th IGC, 27th August to 4th September, 2016, Cape Town, South Africa (www.35igc.org). The talk is entitled "A quantitative knowledge base of continental depositional systems: new approaches to fluvial facies models and sequence stratigraphy" (Colombera, L., and Mountney, N.P.).

13/04/2016
FRG-ERG talk to National Trust volunteers
Roman Soltan gave an invited talk to National Trust volunteers at Brimham Rocks, North Yorkshire (www.nationaltrust.org.uk/brimham-rocks) on 11th April 2016. The talk was aimed at providing the volunteers with basic information regarding the location's unique geological outcrops, which in turn will enable the volunteers to provide visitors with information regarding the site's geological history.

14/04/2016
Update to FRG-ERG Knowledge Database
Nine new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors: 3 papers, 3 PowerPoint presentations, 2 posters and 1 report detail our latest research results (Doc IDs: 1015-1023).

01/05/2016
Congratulations to Mahmud Alkathery
Congratulations to Mahmud who has successfully defended his PhD thesis at his viva voce examination at the University of Leeds.

Mahmud's thesis is entitled "Modern and Ancient Fluvial-Aeolian Interactions in Dune-Field Margin Systems: Analysis and Implications". Mahmud was funded by Saudi Aramco, so thank you to them for their support (Doc IDs: 1012 and 1013).

06/05/2016
FRG-ERG talk to members of the University of the Third Age (U3A)
Roman Soltan is giving a talk to members of the U3A (www.u3a.org.uk) at Brimham Rocks, North Yorkshire (www.nationaltrust.org.uk/brimham-rocks) on 18th May 2016. The talk will be aimed at providing U3A members with basic information regarding the location's geological history, as portrayed in the site's unique geological outcrops. The U3A group are visiting the site as part of a U3A geology course.

30/05/2016
Update to FRG-ERG Knowledge Database
Ten new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors: 4 papers, 1 PowerPoint presentation, 3 posters and 2 newsletters detail our latest research results (Doc IDs: 1024-1033).

30/05/2016
FRG-ERG newsletter 23 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 23 – May 2016; Doc ID 1033).

01/07/2016

New Leeds FRG PhD student
Welcome to Jose Montero who commenced his PhD research degree as a member of FRG-ERG in July 2016.

Jose's project relates to the application of quantitative analysis of fluvial sedimentary architecture to improved facies and reservoir modelling workflows. Jose is supervised by Dr Luca Colombera, Dr Nigel Mountney and Dr Na Yan. Funded by the Fluvial & Eolian Research Group, University of Leeds.

15/07/2016
Update to FRG-ERG Knowledge Database
Thirty-two new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors: 7 PowerPoint presentations, 21 posters, 1 news item and 3 short movies detail our latest research results and work with Petrotechnical Data Systems (Doc IDs: 1034-1065).

16/07/2016
Ava Clastics – software incorporating the FAKTS database
FRG-ERG is pleased to announce our partnership with Petrotechnical Data Systems (PDS). PDS are developing a commercial software platform called Ava Clastics. Ava Clastics' intuitive workflow allows users to browse and select data from geological analogue databases, including FAKTS, and transforms results into parameters used by facies modelling algorithms. (Doc IDs: 1060-1065).

01/09/2016
New Leeds FRG PhD student
Welcome to David Somerville who commenced his PhD research degree as a member of FRG-ERG in September 2016.

David's project relates to the fluvio-lacustrine system response to rift- and intermontane-basin evolution: quantitative models of sedimentary architecture. David is supervised by Dr Nigel Mountney, Dr Luca Colombera and Dr Richard Collier. Funded by the Fluvial & Eolian Research Group, University of Leeds.

01/10/2016
New Leeds FRG PhD student
Welcome to Simon Jackson who commenced his PhD research degree as a member of FRG-ERG in October 2016.

Simon's project relates to modelling fluvial, aeolian and lacustrine response to differential rates of accommodation generation in developing rift and salt basins. Simon is supervised by Dr Nigel Mountney, Dr Luca Colombera, Dr Richard Collier and Dr Na Yan. Funded by the Fluvial & Eolian Research Group, University of Leeds.

01/10/2016

New Leeds FRG PhD student
Welcome to Ru Wang who commenced her PhD research degree as a member of FRG-ERG in October 2016.

Ru's project relates to allogenic and autogenic controls on fluvial system development, accumulation and preservation. Ru is supervised by Dr Nigel Mountney and Dr Luca Colombera. Funded by the China Scholarship Council Scheme, run under the auspices of the Fluvial & Eolian Research Group, University of Leeds.

14/10/2016
FRG-ERG newsletter 24 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 24 – October 2016; Doc ID 1066).

17/11/2017
Update to FRG-ERG Knowledge Database
Eighty-one new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors, including papers, conference presentations and posters (Doc IDs: 1067-1148).

05/12/2016
New publication
Colombera, L., Mountney, N.P., Hodgson, D.M. and McCaffrey, W.D., 2016. The Shallow-Marine Architecture Knowledge Store: a database for the characterization of shallow-marine and paralic depositional systems. Marine and Petroleum Geology, 75, 83-99. doi: 10.1016/j.marpetgeo.2016.03.027 (Doc ID: 1025)

07/12/2016
New publication
Colombera, L., Mountney, N.P., Howell, J.A., Rittersbacher, A. and McCaffrey, W.D., 2016. Geological modeling of outcrop successions to assess analog-based predictions of the sedimentary heterogeneity in fluvial reservoirs. AAPG Search and Discovery, 41771, 1-4.

20/12/2016
FRG-ERG at the BSRG Conference, University of Cambridge, England
Members of FRG-ERG made 10 presentations at the recent 55th British Sedimentological Research Group Meeting hosted by the University of Cambridge, England, 18th-20nd December, 2016. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2016 06 – BSRG).

29/12/2016
New publication
Zhao, J., Liu, C., Mountney, N.P., Lu, J., Cao, J., Yang, Y. and Xue, R., 2016. Timing of uplift and evolution of the Lüliang Mountains, North China Craton.

Science China: Earth Sciences, 59, 58-69. doi: 10.1007/s11430-015-5153-z (Doc ID: 972)

30/12/2016
New publication
Colombera, L., Shiers, M.N. and Mountney, N.P., 2016. Assessment of backwater controls on the architecture of distributary-channel fills in a tide-influenced coastal-plain succession: Campanian Neslen Formation, U.S.A. Journal of Sedimentary Research, 86, 1-22. doi: 10.2110/jsr.2016.33 (Doc ID: 1026)

14/02/2017
FRG-ERG newsletter 25 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 25 – February 2017; Doc ID 1149).

16/02/2017
New publication
Medici, G., West, L.J. and Mountney, N.P., 2016. Characterizing flow pathways in a sandstone aquifer: tectonic vs sedimentary heterogeneities. Journal of Contaminant Hydrology, 194, 36-58. doi: 10.1016/j.jconhyd.2016.09.008 (Doc ID: 1121)

20/02/2017
Update to FRG-ERG Knowledge Database
Thirty-one new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors, including papers, conference presentations and posters (Doc IDs: 1149-1179).

01/03/2017
New publication
Zhao, J., Lui, C. Huang, L., Han, S., Liu, P Hu, J. and Mountney, N.P., 2016. Original sedimentary pattern of an inverted basin: a case study from the Bozhong Depression, offshore Bohai Bay Basin. Acta Geologica Sinica – English Edition, 90, 2163-2181. (Doc ID: 1178)

10/03/2017
New publication
Bállico, M.B., Scherer, C.M.S, Mountney, N.P., Souza, E.G., Reis, A.D., Raja Gabaglia, G.P. and Magalhães, A.J.C., 2017. Drying-upward cycles in a Mesoproterozoic aeolian erg-margin succession: Mangabeira Formation, Espinhaço Supergroup, Brazil. Sedimentary Geology, 349, 1-14. doi: 10.1016/j.sedgeo.2016.12.008 (Doc ID: 1156)

12/03/2017
New publication
Colombera, L., Mountney, N.P., Russell, C.E., Shiers, M.N. and McCaffrey, W.D., 2017. Geometry and compartmentalization of fluvial meander-belt reservoirs at the bar-form scale: quantitative insight from outcrop, modern and

subsurface analogues. Marine and Petroleum Geology, 82, 35-55. doi: 10.1016/j.marpetgeo.2017.01.024 (Doc ID: 1164)

14/03/2017
FRG-ERG newsletter 26 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 26 – March 2017; Doc ID 1179).

16/03/2017
New publication
Spychala, Y.T., Hodgson, D.M., Prélat, A., Kane, I.A., Flint, S.S. and Mountney, N.P., 2017. Frontal and lateral submarine lobe fringes: comparing sedimentary facies, architecture and flow processes. Journal of Sedimentary Research, 87, 75-96. doi: 10.2110/jsr.2017.2

28/03/2017
Ava Clastics YouTube promotional video
Learn about the Ava Clastics analogue database and clastic sedimentology software being developed by Petrotechnical Data Systems (PDS) and incorporating the FAKTS database developed by FRG-ERG at the University of Leeds using support from a NERC Follow-on Fund award:
https://www.youtube.com/watch?v=FRaZv1X0ZnY
https://www.youtube.com/watch?v=vQPC5qLnZ2E

29/03/2017
FAKTS YouTube promotional video
Learn about the FAKTS analogue database that is being incorporated into Ava Clastics reservoir modelling and prediction software being developed by Petrotechnical Data Systems (PDS). This collaborative venture has been made possible via financial support from a NERC Follow-on Fund award:
https://www.youtube.com/watch?v=jKQPHL1cAiA

30/03/2017
Update to FRG-ERG Knowledge Database
Eleven new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors: 9 posters and 2 announcements detailing forthcoming research projects (Doc IDs: 1080-1090).

31/03/2017
New publication
Burns, C., Mountney, N.P., Hodgson, D.M. and Colombera, L., 2017. Anatomy and dimensions of fluvial crevasse-splay deposits: examples from the Cretacouse Mesaverde Group, Utah. Sedimentary Geology, 351, 21-35. doi: 10.1016/j.sedgeo.2017.02.003 (Doc ID: 1160)

01/04/2017
FRG-ERG at the 100th AAPG Conference, Houston, TX

Members of FRG-ERG made 5 presentations at the recent AAPG Annual Convention and Exhibition held in Houston, TX, 30th March to 3rd April, 2017. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2017 01 – AAPG).

04/04/2017
Ava Clastics Launch
Petrotechnical Data Systems (PDS) has commercially released its Ava Clastics analogue database and clastic sedimentology software, the first of a portfolio of geoscience software-as-a-service (SaaS) products developed by the company. Ava Clastics incorporates the FAKTS database developed by FRG-ERG at Leeds through a NERC Follow-on fund award. Announced at the AAPG Annual Conference and Exhibition in Houston, the release is the first output from a collaboration between PDS and the University of Leeds.
http://www.pds.nl/ava-clastics/EAP/pdf/Ava-clastics.pdf

06/04/2017
New publication
Shiers, M.S., Hodgson, D.M. and Mountney, N.P., 2017. Response of a coal-bearing coastal plain succession to marine transgression: Campanian Neslen Formation, Utah, U.S.A. Journal of Sedimentary Research, 87, 168-187. doi: 10.2110/jsr.2017.7 (Doc ID: 1173)

10/04/2017
11th International Conference on Fluvial Sedimentology (ICFS)
Members of FRG-ERG are helping in the organization of the 11th International Conference on Fluvial Sedimentology (ICFS) to be held in Calgary, Canada 17th to 21st July, 2017.

Members of FRG-ERG will be running two sessions: Controls on channel architecture and reservoir connectivity; and Dryland fluvial and alluvial systems, and fluvial-aeolian interaction.

16/04/2017
FRG-ERG Phase 4 (Jan 2018- Dec 2020)
We are pleased to launch FRG-ERG Phase 4, which will run from January 2018 to December 2020. At this time we invite initial expressions of interest from existing and new potential sponsor companies. For details of the planned research and knowledge-transfer programme, and of membership costs, please contact Dr Nigel Mountney (n.p.mountney@leeds.ac.uk).

06/05/2017
New publication
Yan, N., Mountney, N.P., Colombera, L. and Dorrell, R.M., 2017. A 3D forward stratigraphic model of fluvial meander-bend evolution for prediction of point-bar lithofacies architecture. Computers & Geosciences, 105, 65-80. doi: 10.1016/j.cageo.2017.04.012 (Doc ID 1216).

18/05/2017
FRG-ERG at the EGU General Assembly, Vienna

Members of FRG-ERG made 1 presentation at the recent European Geosciences Union General Assembly held in Vienna, Austria, 23rd to 28th April, 2017. The presentation can be found on the FRG-ERG website sponsors' pages (keyword: conference 2017 02 – EGU; Doc ID 1203).

01/06/2017
Congratulations to Michelle Shiers
Congratulations to Michelle who has successfully defended her PhD thesis at his viva voce examination at the University of Leeds.

Michelle's thesis is entitled "Controls on the deposition, accumulation and preservation of mixed fluvial and marginal-marine successions in coastal-plain settings". Michelle was funded by FRG-ERG; thanks to all the sponsors for their support (Doc IDs: 1213).

02/06/2017
New FRG-ERG research partnership
Welcome to Sonia Campos-Soto who will be working with members of FRG-ERG during a visit to Leeds from June-August 2017. Sonia is based at Complutense University of Madrid, Spain.

Sonia is undertaking a research project to investigate the stratigraphy, sedimentology and paleoenvironmental reconstruction of the late Jurassic-Lower Cretaceous coastal depositional systems of the South Iberian Basin and the Penyagolosa sub-basin, Valencia and southern Teruel provinces, Spain. Many of these deposits contain abundant dinosaur ichnites and osteological fossil remains.

10/06/2017
New publication
Santos, M.G.M., Mountney, N.P. and Peakall, J., 2017. Tectonic and environmental controls on Palaeozoic fluvial environments: reassessing the impacts of early land plants on sedimentation, Journal of the Geological Society, 174, 393-404. doi: 10.1144/jgs2016-063 (Doc ID 1204).

12/06/2017
New publication
Santos, M.G.M., Mountney, N.P., Peakall, J., Thomas, R.E., Wignall, P and Hodgson, D.M., 2017. Reply to Discussion on 'Tectonic and environmental controls on Palaeozoic fluvial environments: reassessing the impacts of early land plants on sedimentation'. Journal of the Geological Society, London, published online. doi: 10.1144/jgs2017-031 (Doc ID 1207).

16/06/2017
Update to FRG-ERG Knowledge Database
Twenty-six new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1191-1216).

18/06/2017
FRG-ERG at the SEPM Meeting, Tremp, Spain

FRG-ERG made 1 presentation at the recent SEPM Research Conference Propagation of Environmental Signals within Source-to-Sink Stratigraphy held in Tremp, Spain, 5th to 9th June, 2017. The presentation can be found on the FRG-ERG website sponsors' pages (keyword: conference 2017 03 – SEPM; Doc ID 1194).

30/06/2017
FRG-ERG newsletter 27 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 27 – June 2017; Doc ID 1217).

01/07/2017
FRG-ERG at the EAGE Conference, Paris
FRG-ERG made 1 presentation at the recent 79th EAGE Conference & Exhibition held in Paris, France, 17th to 21st July, 2017. The presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2017 04 – EAGE; Doc ID 1209).

06/07/2017
New publication
Bállico, M.B., Scherer, C.M.S, Mountney, N.P., Souza, E.G., Chemale, F., Pisarevsky, S.A. and Reis, A.D., 2017. The wind-pattern circulation as a palaeographic indicator: the case study of the 1.5-1.6 Ga Mangabeira Formation, São Francisco Craton, Northeast Brazil. Precambrian Research, 298, 1-15. doi: 10.1016/j.precamres.2017.05.005 (Doc ID 1197).

28/07/2017
FRG-ERG at the ICFS Conference, Calgary
Members of FRG-ERG made 11 presentations at the 11th International Conference of Fluvial Sedimentology held in Calgary, Canada, 12th to 15th June, 2017. The presentation can be found on the FRG-ERG website sponsors' pages (keyword: conference 2017 05 – ICFS).

15/08/2017
New publication
Campos-Soto, S., Cobos, A. Caus, E., Benito, M.I., Fernández-Labrador, L., Suarez-Gonzalez, P., Quijada, I.E., Mas, R., Royo-Torres, R. and Alcalá, L., 2017. Jurassic Coastal Park: A great diversity of palaeoenvironments for the dinosaurs of the Villar del Arzobispo Formation (Teruel, eastern Spain). Palaeogeography, Palaeoclimatology, Palaeoecology. Published online. doi.org/10.1016/j.palaeo.2017.06.010 (Doc ID 1229).

20/08/2017
New publication
Basilici, G., Hechenleitner, E.M., Fiorelli, L.E., Dal Bó, P.F. and Mountney, N.P., 2017. Preservation of titanosaur egg clutches in upper Cretaceous cumulative palaeosols (Los Llanos Formation, La Rioja, Argentina). Palaeogeography, Palaeoclimatology, Palaeoecology, 482, 83-102. doi: 10.1016/j.palaeo.2017.05.034 (Doc ID 1199).

05/09/2017
Update to FRG-ERG Knowledge Database
Fourteen new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1218-1231).

10/09/2017
Forthcoming IAS Special Publication on fluvial meanders
Fluvial meanders and their sedimentary products in the rock record

Over recent decades, field and laboratory investigations have markedly increased our knowledge of flow dynamics and sediment distribution along river bends. Nevertheless, the most popular principles used to detect fluvial point bars and associated deposits in the stratigraphic record are still based on long-established facies models that currently do not fully account for the range of processes by which the complex stratigraphic architectures of meandering river systems are known to develop. This IAS Special Issue will reconcile results from field and laboratory investigations of modern meanders with the principles which would lead to their detection as sedimentary products in the rock record. Insight gained from developing greater understanding in this field will enhance palaeoenvironmental reconstructions and will enable more sophisticated predictive models to be developed to better understand and characterize facies heterogeneity in such deposits. This Special Issue will bring together cutting-edge research from those working on modern geomorphology and ancient preserved successions, as well as those undertaking physical and numerical modelling approaches.

Intended publication date: autumn 2018.

20/09/2017
New publication
Colombera, L., Arévalo, O.J. and Mountney, N.P., 2017. Fluvial-system response to climate change: the Paleocene-Eocene Tremp Group, Pyrenees, Spain. Global and Planetary Change, 157, 1-17. doi: 10.1016/j.gloplacha.2017.08.011 (Doc ID 1230).

22/09/2017
Congratulations to Giacomo Medici
Congratulations to Giacomo who has successfully defended his PhD thesis at his viva voce examination at the University of Leeds.

Giacomo's thesis is entitled "Flow heterogeneities in the UK Sherwood Sandstone Group: resolving the role of tectonic vs. sedimentary structures". Giacomo was funded by Total; thanks to them for their support (Doc ID 1208).

23/09/2017
IAS International Meeting of Sedimentology, Toulouse
Members of FRG-ERG are making 1 presentation and are involved in chairing 2 sessions at the forthcoming 33rd IAS International Meeting of Sedimentology, to be held in Toulouse, France, 10th to 12th October, 2017.

26/09/2017
AAPG ICE Conference, London, UK
Members of FRG-ERG are making 5 presentations and are involved in chairing 1 session at the forthcoming AAPG International Conference and Exhibition, to be held in London, 15th to 18th October, 2017.

27/09/2017
FRG-ERG newsletter 28 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 28 – September 2017; Doc ID 1232).

12/10/2017
Congratulations to Catherine Burns
Congratulations to Catherine who has successfully defended her PhD thesis at her viva voce examination at the University of Leeds.

Catherine's thesis is entitled "Quantitative prediction of stratigraphic architecture in fluvial overbank successions". Catherine was funded by FRG-ERG; thanks to the group sponsors for their support (Doc ID: 1256).

13/10/2017
Congratulations to Catherine Russell
Congratulations to Catherine who has successfully defended her PhD thesis at her viva voce examination at the University of Leeds.

Catherine's thesis is entitled "Prediction of sedimentary architecture and lithological heterogeneity in fluvial point-bar deposits". Catherine was funded by FRG-ERG; thanks to the group sponsors for their support (Doc ID: 1257).

18/10/2017
FRG-ERG at the International Meeting of Sedimentology, Toulouse, France
Members of FRG-ERG made 1 presentation at the 33rd International Meeting of Sedimentology held in Toulouse, France, 10th to 12th October, 2017. The presentation can be found on the FRG-ERG website sponsors' pages (Doc ID: 1247).

20/10/2017
FRG-ERG at the AAPG ICE Conference, London
Members of FRG-ERG made 4 presentations at the AAPG International Conference and Exhibition held in London, UK, 15th to 18th October, 2017. The presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2017 07 – AAPG ICE London).

21/10/2017
Invited keynote presentation at the AAPG Conference, London
Nigel Mountney gave an invited keynote presentation entitled "Challenges in Fluvial Reservoir Geology" at the AAPG International conference and

Exhibition held in London, UK, 15th-18th October, 2017. The presentation, which was co-authored by Luca Colombera, Na Yan, Bill McCaffrey, Catherine Russell and Michelle Shiers, can be found on the FRG-ERG website sponsors' pages (keyword: conference 2017 07 - AAPG ICE London; Doc ID 1249).

27/11/2017
Update to FRG-ERG Knowledge Database
Twenty-four new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1232-1255).

28/11/2017
FRG-ERG newsletter 29 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 29 – November 2017; Doc ID 1255).

02/12/2017
New publication
Ten Hove, A., Colombera, L., O'Connor, V.S., Cobain, S., Mountney, N.P., Meyer, B., 2017. A novel approach for directly informing facies modelling algorithms with high quality ancient and modern analogue databases. 79th EAGE Conference and Exhibition 2017: Energy, Technology, Sustainability - Time to Open a New Chapter; Paris; France; 12 June 2017 through 15 June 2017; Code 129040

02/12/2017
New publication
Montero, J., Mountney, N.P., Colombera, L., Yan, N. and Comunian, A., 2017. Application of quantitative analysis of fluvial sedimentary Architecture to improved facies and reservoir modelling workflows. 79th EAGE Conference and Exhibition 2017: Energy, Technology, Sustainability - Time to Open a New Chapter; Paris; France; 12 June 2017 through 15 June 2017; Code 129040

15/12/2017
New publication
Medici, G., West, L.J. and Mountney, N.P., 2017. Characterization of a fluvial aquifer at a range of depths and scales: the Triassic St Bees Sandstone Formation, Cumbria, UK. Hydrogeology Journal, published online. doi: 10.1007/s10040-017-1676-z (Doc ID: 1264).

23/12/2017
FRG-ERG at the BSRG Conference, Newcastle, UK
Members of FRG-ERG made 6 presentations at the BSRG Conference held in Newcastle, UK, 18th to 19th December, 2017. The presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2017 08 – BSRG Newcastle).

30/12/2017

Update to FRG-ERG Knowledge Database
Eleven new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1256-1266).

01/01/2018
Fluvial & Eolian Research Group Phase 4 launch
We are delighted to announce the official launch of Phase 4 of the Fluvial & Eolian Research Group (FRG-ERG) within the School of Earth and Environment at the University of Leeds. Phase 4 of the consortium will run from January 2018 until December 2020.

02/01/2018
New publication
Besly, B., Romain, H.G. and Mountney, N.P., 2018. Reconstruction of linear dunes from ancient aeolian successions using subsurface data: Permian Auk Formation, Central North Sea, UK. Marine and Petroleum Geology, 91, 1-18. doi: 10.1016/j.marpetgeo.2017.12.021 (Doc ID: 1266).

03/01/2018
Welcome back to Sonia Campos-Soto
Welcome back to Sonia Campos-Soto who will be working with members of FRG-ERG during a visit to Leeds from January-February 2018. Sonia is based at Complutense University of Madrid, Spain.

Sonia is undertaking a research project to investigate the stratigraphy, sedimentology and paleoenvironmental reconstruction of the late Jurassic-Lower Cretaceous coastal depositional systems of the South Iberian Basin and the Penyagolosa sub-basin, Valencia and southern Teruel provinces, Spain. Many of these deposits contain abundant dinosaur ichnites and osteological fossil remains. This is Sonia's second spell working with FRG-ERG at Leeds.

08/01/2018
Nexen have joined the FRG-ERG Phase 4 consortium
Nexen have joined the FRG-ERG Phase 4 consortium with immediate effect. Welcome back!

15/01/2018
New Leeds FRG-ERG, SMRG and TRG researcher
Welcome to Laura Bührig who is employed as a Research Assistant helping to build our architectural databases.

09/02/2018
AAPG Annual Convention and Exhibition, Salt Lake City, Utah
Members of FRG-ERG are making 10 presentations and are involved in chairing a session at the forthcoming AAPG ACE, Salt Lake City, 20th to 23rd May, 2018.

10/02/2018
Aker BP have joined the FRG-ERG Phase 4 consortium

Aker BP have joined the FRG-ERG Phase 4 consortium with immediate effect. Welcome back!

12/02/2018
FRG-ERG at groundwater aquifer conference, Geological Society of London
Members of FRG-ERG will make a presentation at the forthcoming GSL conference entitled “Use of the deep subsurface in the UK: what are the implications for groundwater resources?”, London, 11th to 12th July, 2018.

23/02/2018
Cairn India have joined the FRG-ERG Phase 4 consortium
Cairn India have joined the FRG-ERG Phase 4 consortium with immediate effect. Welcome!

24/02/2018
Forthcoming IAS Special Publication on fluvial meanders
Fluvial meanders and their sedimentary products in the rock record.

This forthcoming IAS Special Publication will comprise 20 papers detailing approaches gaining improved understanding of meandering fluvial systems and their preserved successions. Specific focus is given to characterizing subsurface successions. Intended publication date: autumn 2018.

25/02/2018
FRG-ERG researchers organizing fluvial facies models session at ISC 2018
FRG-ERG researchers Luca Colombera and Nigel Mountney, together with Massimiliano Ghinassi (University of Padiova, Italy) and Alessandro Ielpi (Laurentian University, Canada), are chairing a session entitled “Fluvial facies models: recent and future developments” at the forthcoming 20th International Sedimentological Congress to be held in Québec City, 13th-17th August, 2018.

25/02/2018
FRG-ERG researchers organizing aeolian systems session at ISC 2018
FRG-ERG researcher Nigel Mountney, together with Juan Pedro Rodriguez-Lopez (Universidad Nebrija, Spain), Gonzalo Veiga (Universidad de La Plata, Argentina), Claiton Scherer (Universidade Federal do Rio Grande do Sul, Brasil) and Nick Lancaster (Desert Research Institute, USA), are chairing a session entitled “Aeolian systems and desert basins” at the forthcoming 20th International Sedimentological Congress to be held in Québec City, 13th-17th August, 2018.

27/02/2018
Woodside have joined the FRG-ERG Phase 4 consortium
Woodside have joined the FRG-ERG Phase 4 consortium with immediate effect. Welcome back!

01/03/2018
New publication
Medici, G., West, L.J. and Mountney, N.P., 2017. Characterization of a fluvial aquifer at a range of depths and scales: the Triassic St Bees Sandstone

Formation, Cumbria, UK. Hydrogeology Journal, 26, 565-591. doi: 10.1007/s10040-017-1676-z (Doc ID: 1264).

02/03/2018
2018 AAPG Gabriel Dengo Memorial Award for FRG-ERG research team
Nigel Mountney, Luca Colombera, Na Yan and Bill McCaffrey are recipients of the 2018 AAPG Gabriel Dengo Memorial Award for "Best International Paper".

Mountney, N.P., Colombera, L., Yan, N and McCaffrey, W.D., 2018. AAPG 2018 Gabriel Dengo Memorial Award for Best Paper presented at the AAPG International Conference and Exhibition in 2017, London, UK. This award is for the paper "Challenges in fluvial reservoir geology" presented by Nigel Mountney at the AAPG ICE in London, October 2017.

30/03/2018
FRG-ERG newsletter 30 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 30 – March 2018; Doc ID 1267).

05/04/2018
New publication
Soares, M.V.T., Basilici, G., Dal' Bó, P.F., Marinho, T.S., Mountney, N.P., Colombera, L., Oliveira, E.F., Silva, K.E.B., 2018. Climatic and geomorphologic cycles in a semiarid distributive fluvial system, Upper Cretaceous, Bauru Group, SE Brazil. Sedimentary Geology, 372, 75-95, doi: 10.1016/j.sedgeo.2018.05.001 (Doc ID: 1305)

10/04/2018
New FRG-ERG research partnership
Welcome to Soma Budai who will be working with members of FRG-ERG during a visit to Leeds from April to June 2018. Soma is based at Eötvös Loránd University, Budapest, Hungary.

Soma is working on Fluvial sedimentary architecture response to complex rifting events including analysis of the roles of local basin-floor gradient, accommodation space and syn-sedimentary movement on basin bounding faults as controls on patterns of fluvial sedimentation.

25/04/2018
New publication
Colombera, L., Yan, N., McCormick-Cox, T., Mountney, N.P., 2018. Seismic-driven geocellular modeling of fluvial meander-belt reservoirs using a rule-based method. Marine and Petroleum Geology, 93, 553-569. doi: 10.1016/j.marpetgeo.2018.03.042 (Doc ID: 1306)

25/05/2018
New publication
Medici, G., West, L.J. and Mountney, N.P., 2018. Flow heterogeneities and permeability development in the Triassic UK Sherwood Sandstone Group;

insights for reservoir quality. Geological Journal, published online. doi: 10.1002/gj.3233 (Doc ID: 1304).

06/06/2018
FRG-ERG at the AAPG Conference, Salt Lake City, UT
Members of FRG-ERG made 7 presentations at the recent AAPG Annual Convention and Exhibition held in Salt Lake City, UT, 20th-23rd May, 2018. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2018 01 – AAPG).

16/06/2018
Forthcoming IAS Special Publication on fluvial meanders
Fluvial meanders and their sedimentary products in the rock record.

This forthcoming IAS Special Publication will comprise 20 papers detailing approaches gaining improved understanding of meandering fluvial systems and their preserved successions. Specific focus is given to characterizing subsurface successions. The volume is now in press and the expected publication date is autumn 2018.

27/06/2018
FRG-ERG newsletter 31 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 31 – June 2018; Doc ID 1312).

28/06/2018
Forthcoming FRG-ERG publications on fluvial meanders

The forthcoming IAS Special Publication on Fluvial meanders and their sedimentary products in the rock record will comprise 20 papers detailing approaches gaining improved understanding of meandering fluvial systems and their preserved successions. Members of FRG-ERG have contributed directly to 4 of these papers.

- Ghinassi, M., Colombera, L., Mountney, N.P. and Reesink, A.J., 2018. Sedimentology of meandering river deposit: advances and challenges. In: Ghinassi, M., Colombera, L., Mountney, N.P. and Reesink, A.J. (Eds.), Fluvial Meanders and their Sedimentary Products in the Rock Record. International Association of Sedimentologists Special Publication, 48, in press. (Doc ID: 1308)
- Russell, C.E., Mountney, N.P., Hodgson, D.M. and Colombera, L., 2018. A novel approach for prediction of lithological heterogeneity in fluvial point-bar deposits from analysis of meander morphology and scroll-bar pattern. In Ghinassi, M., Colombera, L., Mountney, N.P. and Reesink, A.J. (Eds.), Fluvial Meanders and their Sedimentary Products in the Rock Record. International Association of Sedimentologists Special Publication, 48, in press. (Doc ID: 1309)
- Yan, N., Colombera, L., Mountney, N.P., Dorrell, D.M., 2018. Three-dimensional modelling of fluvial point-bar architecture and facies

heterogeneity using analogue data and associated analysis of intra-bar static connectivity: application to humid coastal-plain and dryland fluvial systems. In: Ghinassi, M., Colombera, L., Mountney, N.P. and Reesink, A.J. (Eds.), Fluvial Meanders and their Sedimentary Products in the Rock Record. International Association of Sedimentologists Special Publication, 48, in press. (Doc ID: 1224)

- Shiers, M.N., Mountney, N.P., Hodgson, D.M. and Colombera, L., 2018. Controls on the depositional architecture of fluvial point-bar elements in a coastal plain succession. In: Ghinassi, M., Colombera, L., Mountney, N.P. and Reesink, A.J. (Eds.), Fluvial Meanders and their Sedimentary Products in the Rock Record. International Association of Sedimentologists Special Publication, 48, in press. (Doc ID: 1240)

16/08/2018
FRG-ERG at the ISC Conference, Québec City, Canada
Members of FRG-ERG made 7 presentations at the recent International Sedimentological Congress (ISC) held in Québec City, Canada, 13th-17th August 2018. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2018 02 – ISC Quebec City).

05/09/2018
Shell have joined the FRG-ERG Phase 4 consortium
Shell have joined the FRG-ERG Phase 4 consortium with immediate effect. Welcome back!

15/09/2018
New publication
Cosgrove GIE, Hodgson DM, Poyatos-Moré M, Mountney NP, McCaffrey WD. 2018. Filter or conveyor? Establishing relationships between clinoform rollover trajectory, sedimentary process regime, and grain character within intrashelf clinothems, offshore New Jersey, U.S.A.. Journal of Sedimentary Research. 88, 917-941. doi.org/10.2110/jsr.2018.44 (Doc ID: 1318).

20/09/2018
YPF have joined the FRG-ERG Phase 4 consortium
YPF have joined the FRG-ERG Phase 4 consortium with immediate effect. Welcome back!

30/09/2018
Welcome to Marion Parquer
Welcome to Marion Parquer who will be working with members of FRG-ERG during a visit to Leeds from September to December 2018. Marion gained her PhD from Université de Lorraine, France. She has expertise in numerical modelling approaches to determine the evolution of fluvial meander bends.

01/10/2018
New Leeds FRG research student
Welcome to Bassam Alshammari who commenced his research degree as a member of FRG-ERG in October 2018.

Bassam's project relates to the Middle Jurassic Depositional History of Lower Dhruma Sand Member, Dhruma Formation, Rub' Alkhali Basin, Saudi Arabia. Bassam is supervised by Prof. Nigel Mountney and Dr. Luca Colombera. Funded by Saudi Aramco.

02/10/2018
FRG-ERG newsletter 32 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 32 – October 2018; Doc ID 1320).

02/10/2018
Chevron have joined the FRG-ERG Phase 4 consortium
Chevron have joined the FRG-ERG Phase 4 consortium with immediate effect. Welcome!

03/10/2018
Welcome to Marina Coronel
Welcome to Marin Coronel who will be working with members of FRG-ERG during a visit to Leeds from October to December 2018. Marina is based in the Department of Geology at the University of La Plata, Argentina, where she works with Gonzalo Veiga. Marina has expertise in the sedimentology of dryland fluvial systems and their expression in the preserved sedimentary record.

03/11/2018
Welcome to Marta Cosma
Welcome to Marta Cosma who will be working with members of FRG-ERG during a visit to Leeds from October to December 2018. Marta is based in the Department of Geology at the University of Padova, Italy, where she works with Massimiliano Ghinassi. Marta has expertise in the sedimentology of tidally influenced point bars and their deposits. She was worked in detail on those in Venice Lagoon. For her visit to Leeds Marta will be using the FRG PB-SAND forward stratigraphic modelling software to predict trajectories of bar climb and aggradation.

25/11/2018
FRG-ERG newsletter 33 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 33 – November 2018; Doc ID 1326).

23/12/2018
FRG-ERG at the 57th BSRG Conference, Heriot-Watt University, Scotland
Members of FRG-ERG made 5 presentations at the recent British Sedimentological research Group Annual Meeting held at Heriot-Watt University, Scotland, 18th-18th December 2018. All presentations can be found on the FRG-ERG website sponsors' pages (keyword: conference 2018 03 – BSRG Heriot-Watt).

01/01/2019
New Leeds FRG research student
We are pleased to announce that to Laura Bührig has commenced a PhD research degree at Leeds as a member of FRG-ERG, SMRG and TRG.

Laura's project seeks to develop a new generation of source-to-sink predictive models for linked depositional systems spanning the continental, coastal, shallow-marine and deep-marine realms. To achieve this aim Laura will be using and further developing the FAKTS, SMAKS and DMAKS databases already developed at Leeds. Laura is supervised by Dr. Luca Colombera, Dr Marco Patacci, Prof. Bill McCaffrey and Prof. Nigel Mountney.

15/01/2019
New book published – IAS SP48
Ghinassi, M., Colombera, L., Mountney, N.P. and Reesink, A.J.H. (Eds.), 2019. Fluvial Meanders and their Preserved Products in the Rock Record. International Association of Sedimentologists Special Publication 48, 608 pages. ISBN 978-1119424468 (Doc ID: 1333).

01/02/2019
Ava Clastics update
Ava Clastics is a collaboration between PDS Group and the University of Leeds to provide innovative access to world-class analogue databases covering fluvial, shallow-marine and deep-water depositional environments. A summary update document is now available to sponsors (Doc ID: 1338).

12/02/2019
New publication
Ghinassi, M., Colombera, L., Mountney, N.P. and Reesink, A.J., 2019. Sedimentology of meandering river deposit: advances and challenges. In: Ghinassi, M., Colombera, L., Mountney, N.P. and Reesink, A.J. (Eds.), Fluvial Meanders and their Sedimentary Products in the Rock Record. International Association of Sedimentologists Special Publication, 48, 1-14 (Doc ID: 1334).

12/02/2019
New publication
Shiers, M.N., Mountney, N.P., Hodgson, D.M. and Colombera, L., 2019. Controls on the depositional architecture of fluvial point-bar elements in a coastal plain succession. In: Ghinassi, M., Colombera, L., Mountney, N.P. and Reesink, A.J. (Eds.), Fluvial Meanders and their Sedimentary Products in the Rock Record. International Association of Sedimentologists Special Publication, 48, 15-46 (Doc ID: 1335).

12/02/2019
New publication
Russell, C.E., Mountney, N.P., Hodgson, D.M. and Colombera, L., 2019. A novel approach for prediction of lithological heterogeneity in fluvial point-bar deposits from analysis of meander morphology and scroll-bar pattern. In Ghinassi, M., Colombera, L., Mountney, N.P. and Reesink, A.J. (Eds.), Fluvial Meanders and their Sedimentary Products in the Rock Record. International

Association of Sedimentologists Special Publication, 48, 385-418 (Doc ID: 1336).

12/02/2019
New publication
Yan, N., Colombera, L., Mountney, N.P., Dorrell, D.M., 2019. Three-dimensional modelling of fluvial point-bar architecture and facies heterogeneity using analogue data and associated analysis of intra-bar static connectivity: application to humid coastal-plain and dryland fluvial systems. In: Ghinassi, M., Colombera, L., Mountney, N.P. and Reesink, A.J. (Eds.), Fluvial Meanders and their Sedimentary Products in the Rock Record. International Association of Sedimentologists Special Publication, 48, 475-508 (Doc ID: 1337).

13/02/2019
New Leeds FRG-ERG, SMRG and TRG researcher
Welcome to Soma Budai who is employed as a Research Assistant helping to build our architectural databases.

Soma's work will initially focus on analysis of datasets relating to fluvial-to-marine transition zone successions.

15/02/2019
New publication
Colombera, L. and Mountney, N.P., 2019. The lithofacies organization of fluvial channel deposits: A meta-analysis of modern rivers. Sedimentary Geology, 383, 16-40. https://doi.org/10.1016/j.sedgeo.2019.01.011 (Doc ID: 1347).

20/02/2019
Congratulations!
Giacomo Medici, Jared West and Nigel Mountney (FRG-ERG researchers) have been recognized by the Editors of Hydrogeology Journal (HJ) who have designated their article as an Editors' Choice article for 2018 (only 5 such choices from 200 papers published are made each year).

Medici, G., West, L.J. and Mountney, N.P., 2018. Characterization of a fluvial aquifer at a range of depths and scales: the Triassic St Bees Sandstone Formation, Cumbria, UK. Hydrogeology Journal, 26, 565-591. doi: 10.1007/s10040-017-1676-z (Doc ID: 1239).

21/02/2019
Update to FRG-ERG Knowledge Database
Twenty-four new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1327-1350).

22/02/2019
New book published – Sedimentary Structures

Collinson, John and Mountney, Nigel, 2019. Sedimentary Structures. Fourth Edition, Dunedin Academic Press, 340 pages. ISBN 9781780460628 (Doc ID: 1349).

24/02/2019
FRG-ERG newsletter 34 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 34 – February 2019; Doc ID 1351).

15/03/2019
New publication
Colombera, L., Mountney, N.P., Medici, G. and West, L.J., 2019. The geometry of fluvial channel bodies: empirical characterization and implications for object-based models of the subsurface. AAPG Bulletin, 103, 905-929. doi: 10.1306/10031817417 (Doc ID: 1357).

18/03/2019
Congratulations to Roman Soltan
Congratulations to Roman who has successfully defended his PhD thesis at his viva voce examination at the University of Leeds.

Roman's thesis is entitled "Interpreting complex fluvial channel and barform architecture: Carboniferous Central Pennine Province, northern England" (Doc IDs: 1367 & 1368).

20/03/2019
New publication
Santos, M.G.M., Hartley, A.J., Mountney, N.P., Peakall, J., Owen, A., Merino, E.R. and Assine, M.L., 2019. Meandering rivers in modern desert basins: Implications for channel planform controls and prevegetation rivers. Sedimentary Geology, 385, 1-14. doi: 10.1016/j.sedgeo.2019.03.011 (Doc ID: 1362).

01/04/2019
FRG-ERG at the AAPG Annual Convention and Exhibition, San Antonio, Texas, USA
Members of FRG-ERG based at Leeds will be making 8 presentations at the forthcoming AAPG ACE to be held in San Antonio, Texas, 19th – 22nd May 2019. Additionally, John Holbrook and his research students will be making further presentations. See Doc IDs 1351 & 1369 for a summary.

02/04/2019
Update to FRG-ERG Knowledge Database
Twenty new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1352-1371).

03/04/2019
FRG-ERG Sponsors' Meeting at AAPG 2019

The next FRG-ERG sponsors' meeting will be held on Sunday 19th May, 2019, in San Antonio, TX (immediately prior to the main AAPG Annual Convention and Exhibition). This event will be held alongside the equivalent TRG sponsors' meeting. Representatives from each of our sponsors are welcome to attend (Doc ID: 1370).

29/04/2019
Anadarko have joined the FRG-ERG Phase 4 consortium
Anadarko have joined the FRG-ERG Phase 4 consortium with immediate effect. Welcome!

02/05/2019
Congratulations to Grace Cosgrove
Congratulations to Grace who has successfully defended her PhD thesis at her viva voce examination at the University of Leeds.

Grace's thesis is entitled "The Continental Shelf: a Conveyor and/or Filter of Sediment to Deep-Water?".

18/05/2019
FRG-ERG Sponsors' Meeting, San Antonio, Texas
The FRG-ERG Sponsors' Meeting will take place in the Alamo Room at the Crockett Hotel (320 Bonham), San Antonio. A buffet lunch will be served from 12 noon and the presentations and discussion will run from 1.00 pm to 4.30 pm. We look forward to meeting sponsor representatives (Doc ID: 1370). Also search for keyword "sponsor meeting 2019 01 - san antonio" to access all of the presentations from the sponsors' web site pages.

23/05/2019
FRG-ERG at the AAPG Annual Convention and Exhibition, San Antonio, Texas, USA
Members of FRG-ERG based at Leeds made 8 presentations at the AAPG ACE in San Antonio, Texas, 19th – 22nd May 2019. Search for keyword "conference 2019 01 - aapg" to access all of the presentations from the sponsors' web site pages.

20/06/2019
New publication
Burns, C.E., Mountney, N.P., Hodgson, D.M. and Colombera, L., 2019. Stratigraphic architecture and hierarchy of fluvial overbank crevasse-splay deposits. Journal of the Geological Society of London, 176, 629-649. doi: 10.1144/jgs2019-001 (Doc ID: 1431).

28/06/2019
Visiting academic from Chang'an University, China
Welcome to Pang Jungang, Professor from Chang'an University in China, who will be working with members of FRG-ERG and the wider Sedimentology Group at Leeds for one year.

08/07/2019

New publication
Cosgrove, G., Hodgson, D.M., Mountney, N.P. and McCaffrey, W.D., 2019. High-resolution correlations of strata within a sand-rich sequence using grain fabric data, offshore New Jersey, USA. Geosphere, 15, 1291-1322. https://doi.org/10.1130/GES02046.1 (Doc ID: 1433).

21/07/2019
New publication
Yan, N., Colombera, L. and Mountney, N.P., 2019. Three-Dimensional Forward Stratigraphic Modelling of the Sedimentary Architecture of Meandering-River Successions in Evolving Half-Graben Rift Basins, Basin Research, published online. doi: 10.1111/bre.12367. (Doc ID: 1434).

02/08/2019
New publication
Wang, R., Colombera, L. and Mountney, N.P., 2019. Geologic controls on the geometry of incised-valley fills: Insights from a global dataset of late-Quaternary examples. Sedimentology, published online. doi: 10.1111/sed.12596. (Doc ID: 1435).

20/08/2019
New publication
Cosgrove, G., Poyatos-Moré, M., Lee, D., Hodgson, D.M., McCaffrey, W.D. and Mountney, N.P., 2019. Intra-clinothem variability in sedimentary texture and process regime recorded down slope profiles. Sedimentology, published online. doi: 10.1111/sed.12648 (Doc ID: 1436).

30/08/2019
Ava Clastics update
Ava Clastics is a collaboration between PDS Group and the University of Leeds to provide innovative access to world-class analogue databases covering fluvial, shallow-marine and deep-water depositional environments. A summary update document is now available to sponsors (Doc ID: 1445).

31/08/2019
FRG-ERG at the IAS International Meeting of Sedimentology, Rome, Italy
Members of FRG-ERG based at Leeds will be making 11 presentations at the forthcoming 34th IAS International Meeting of Sedimentology to be held in Rome, Italy, 10th – 13th September 2019. See the conference website for details: http://iasroma2019.org/ (Doc ID: 1441)

01/09/2019
34th IAS International Meeting of Sedimentology
Members of FRG-ERG are helping in the organization of the 34th IAS International Meeting of Sedimentology to be held in Rome, Italy, 10th – 13th September 2019.

Members of FRG-ERG will be running a session. Medici, G. Colombera, L., Yan, N., Marini, M. and Mountney, N.P., 2019. Sedimentary heterogeneity

controls on fluid flow in aquifers and hydrocarbon reservoirs. International Meeting of Sedimentology, 34, Rome, Italy (Doc ID: 1441).

02/09/2019
New publication
Medici, G., West, L.J. and Mountney, N.P., 2019. Flow heterogeneities and permeability development in the Triassic UK Sherwood Sandstone Group; insights for reservoir quality. Geological Journal, 54, 1361-1378. doi: 10.1002/gj.3233 (Doc ID: 1446).

02/09/2019
Update to FRG-ERG Knowledge Database
Sixteen new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1431-1446).

03/09/2019
New Leeds FRG-ERG Research Fellow
Welcome to Grace Cosgrove who has recently joined FRG-ERG to commence her Post-Doctoral Research Fellowship project 'Geological controls on aeolian sedimentary successions'. Grace joins FRG-ERG following the successful completion of her PhD working in the Shallow-Marine Research Group at Leeds. Grace will work on building the Database of Aeolian Sedimentary Architecture (DASA).

09/09/2019
FRG-ERG newsletter 35 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 35 – September 2019; Doc ID 1447).

10/10/2019
New publication
Abdullah, H.G., Collier, R.E.L. and Mountney, N.P., 2019. The palaeoshoreline of Lower Miocene formations (Euphrates and Jeribe) at the periphery of Zagros Foreland Basin, Sulaimani Governorate, Kurdistan Region, NE Iraq. Arabian Journal of Geosciences, 12, 574, 1-16. https://doi.org/10.1007/s12517-019-4716-2 (Doc ID: 1448).

15/10/2019
New publication
Somerville, D.J.P., Mountney, N.P., Colombera, L and Collier, R.E.L., 2019. Role of rift-basin evolution in controlling alluvial fan development: an example from the Gulf of Corinth, Greece. Basin Research, published online. doi: 10.1111/bre.12396. (Doc ID: 1460).

16/10/2019
Welcome to Shuo Cao
Welcome to Shuo Cao who will be working with members of FRG-ERG during a visit to Leeds from October 2019 to March 2019. Shuo is based in the China University of Geosciences, Beijing, where she is undertaking a PhD study of

Mesozoic aeolian successions in several Chinese sedimentary basins, including the Ordos Basin.

28/10/2019
Update to FRG-ERG Knowledge Database
Seventeen new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1448-1464).

15/11/2019
New publication
Medici, G., West, L.J., Mountney, N.P. and Welch, M., 2019. Review: permeability development in the Triassic Sherwood Sandstone Group (UK), insights for management of fluvio-aeolian aquifers worldwide. Hydrogeology Journal, 27, 2835-2855. https://doi.org/10.1007/s10040-019-02035-7 (Doc ID: 1466).

28/11/2019
Welcome to Wei Li
Welcome to Wei Li who will be working with members of FRG-ERG during a visit to Leeds for one year from November 2019 to November 2020. Wei is based at the China University of Petroleum, Beijing, where he is undertaking PhD research.

04/12/2019
FRG-ERG at the 58th BSRG Conference, Royal Holloway, UK
Members of FRG-ERG based at Leeds will be making 2 presentations at the forthcoming British Sedimentological Research Group Annual Meeting to be Royal Holloway University, London, 13th – 17th December 2019. See Doc ID 1467 for a summary.

06/12/2019
New publication
Wang, R., Colombera, L. and Mountney, N.P., 2020. Database-Driven Quantitative Analysis of the Stratigraphic Architecture of Incised-Valley Fills. Earth Science Reviews, 102988, 1-25. (Doc ID: 1468).

11/12/2019
FRG-ERG at the AAPG Annual Convention and Exhibition, Houston, Texas, USA
Members of FRG-ERG based at Leeds will be making 4 presentations at the forthcoming AAPG ACE to be held in Houston, Texas, 7th – 10th June 2020. See Doc ID 1472-1475 for a summary.

12/12/2019
Database of Aeolian Sedimentary Architecture (DASA)
Work is now well underway on the construction of the Database of Aeolian Sedimentary Architecture (DASA). This architectural database will provide quantitative metrics relating to modern aeolian systems, as well as ancient outcropping and subsurface aeolian successions. As of December 2019, DASA holds information on 16 case studies expressed as 79 subsets. The

database stores information on the geometry and composition of 173 depositional elements, 1,373 architectural elements, 1,575 architectural transitions, 825 facies units and 347 facies transitions. We aim to grow the database considerably over coming months and ultimately expect to store information from well over 200 global case studies. The project is being led by Grace Cosgrove, FRG-ERG Research Fellow.

13/12/2019
Update to FRG-ERG Knowledge Database
Fourteen new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1465-1478).

02/01/2020
Equinor have joined the FRG-ERG Phase 4 consortium
Equinor have joined the FRG-ERG Phase 4 consortium with immediate effect. Welcome!

10/01/2020
New publication
Colombera, L. and Mountney, N.P., 2020. On the geological significance of parasequences. Earth Science Reviews, 201, 103062. (Doc ID: 1478).

20/01/2020
FRG-ERG newsletter 36 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 36 – January 2020; Doc ID 1479).

02/02/2020
Congratulations to Marta Cosma
Congratulations to Marta who has successfully defended her PhD thesis at her viva voce examination at the University of Padova, Italy.

Marta's thesis is entitled "Stratal patterns and sedimentary facies in tidal point bars".
Marta worked with members of FRG-ERG during a visit to Leeds from October to December 2018. Marta is based in the Department of Geology at the University of Padova, Italy, where she works with Massimiliano Ghinassi. Marta has expertise in the sedimentology of tidally influenced point bars and their deposits. She has worked in detail on those in the Venice Lagoon, for which she used the FRG PB-SAND forward stratigraphic modelling software to predict trajectories of bar climb and aggradation.

20/03/2020
Coronavirus announcement
As of 20th March 2020, all research staff and students at the University of Leeds have switched to home working as a measure to help combat the spread of coronavirus. The research activities of FRG-ERG are unaffected by this; we remain fully active in terms of our research programme. Our current research efforts are focussed on (i) numerical modelling of fluvial and aeolian

systems, (ii) ongoing development of our FAKTS, SMAKS and DASA architectural databases, (iii) the write-up of research results intended for publication, and (iv) the write-up of postgraduate research theses. All of these activities are generating research results that are regularly being added as updates and deliverables to the FRG-ERG web site. It is business as usual for us.

25/03/2020
Congratulations to Marina Coronel
Congratulations to Marina who has successfully defended her PhD thesis at her viva voce examination at the University of La Plata, Argentina.

Marina's thesis is entitled "Facies, architecture and sequence stratigraphy of Mesozoic ephemeral fluvial systems in the Neuquén Basin, Argentina: implications for refinement of facies models and reservoir characterisation" In Spanish with English abstract. (Doc ID: 1497).

01/04/2020
New publication
Colombera, L. and Mountney, N.P., 2020. Accommodation and sediment-supply controls on clastic parasequences: a meta-analysis. Sedimentology, published online. https://doi.org/10.1111/sed.12728 (Doc ID: 1499).

06/04/2020
Congratulations to Ru Wang
Congratulations to Ru who has successfully defended her PhD thesis at her viva voce examination at the University of Leeds.

Ru's thesis is entitled "Quantitative analysis of geological controls on incised-valley-fill geometry and stratigraphic architecture". Ru was funded by an award from the University of Leeds-China Scholarship (CSC) Scheme; this was supplemented by funds from FRG-ERG and SMRG; thanks to the group sponsors for their support. Additional funds were provided by awards from SEPM and IAS (Doc ID: 1506).

14/04/2020
New publication
Li, J., Vandenberghe, J., Mountney, N.P. and Luthi, S.M., 2020. Grain-size variability of point-bar deposits from a fine-grained dryland river terminus, Southern Altiplano, Bolivia. Sedimentary Geology, published online. https://doi.org/10.1016/j.sedgeo.2020.105663. (Doc ID: 1504).

15/04/2020
Update to FRG-ERG Knowledge Database
Twenty-four new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1482-1505).

16/04/2020
New publication

Coronel, M.D., Isla, M.F., Veiga, G.D., Mountney, N.P. and Colombera, L., 2020. Anatomy and facies distribution of terminal lobes in ephemeral fluvial successions: Jurassic Tordillo Formation, Neuquén Basin, Argentina. Sedimentology, published online, https://doi.org/10.1111/sed.12712. (Doc ID: 1505).

16/04/2020
New publication
Holbrook, J.M. and Miall, A.D., 2020. Time in the Rock: A field guide to interpreting past events and processes from siliciclastic stratigraphy. Earth Science Reviews, 203, 103121. (Doc ID: 1509).

17/04/2020
New publication
Yan, N., Colombera, L. and Mountney, N.P., 2020. Three-Dimensional Forward Stratigraphic Modelling of the Sedimentary Architecture of Meandering-River Successions in Evolving Half-Graben Rift Basins, Basin Research, 32, 68-90. doi: 10.1111/bre.12367. (Doc ID: 1510).

17/04/2020
New publication
Cosgrove, G., Poyatos-Moré, M., Lee, D., Hodgson, D.M., McCaffrey, W.D. and Mountney, N.P., 2020. Intra-clinothem variability in sedimentary texture and process regime recorded down slope profiles. Sedimentology, 67, 431-456. doi: 10.1111/sed.12648 (Doc ID: 1511).

18/04/2020
Update to FRG-ERG Knowledge Database
Six new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1506-1511).

20/04/2020
FRG-ERG newsletter 37 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 37 – April 2020; Doc ID 1512).

20/05/2020
New publication
Wang, R., Colombera, L. and Mountney, N.P., 2019. Geologic controls on the geometry of incised-valley fills: Insights from a global dataset of late-Quaternary examples. Sedimentology, 66, 2134-2168. doi: 10.1111/sed.12596 (Doc ID: 1576).

04/06/2020
Update to FRG-ERG Knowledge Database
Fourteen new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1512-1525).

05/06/2020

FRG-ERG newsletter 38 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 38 – June 2020; Doc ID 1525).

20/06/2020
New publication
Somerville, D.J.P., Mountney, N.P., Colombera, L and Collier, R.E.L., 2020. Role of rift-basin evolution in controlling alluvial fan development: an example from the Gulf of Corinth, Greece. Basin Research, 32, 764-788. https://doi.org/10.1111/bre.12396 (Doc ID: 1561).

24/06/2020
Update to FRG-ERG Knowledge Database
Seven new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1526-1532).

17/07/2020
New publication
Parquer, M., Yan, N., Colombera, L., Mountney, N.P., Collon, P. and Caumon, G., 2020. Combined inverse and forward numerical modelling for reconstruction of channel evolution and facies distributions in fluvial meander-belt deposits. Journal of Marine and Petroleum Geology, 104409. https://doi.org/10.1016/j.marpetgeo.2020.104409 (Doc ID: 1517).

20/07/2020
Update to FRG-ERG Knowledge Database
Seven new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1533-1539).

28/07/2020
New publication
Coronel, M.D., Isla, M.F., Veiga, G.D., Mountney, N.P. and Colombera, L., 2020. Anatomy and facies distribution of terminal lobes in ephemeral fluvial successions: Jurassic Tordillo Formation, Neuquén Basin, Argentina. Sedimentology, 67, 2596-2624. https://doi.org/10.1111/sed.12712 (Doc ID: 1560).

02/08/2020
FRG-ERG-SMRG Phase 5 (Jan 2021- Dec 2023)
We are pleased to announcement plans for FRG-ERG-SMRG Phase 5, which will run from January 2021 to December 2023. At this time we invite initial expressions of interest from existing and new potential sponsor companies. For details of the planned research and knowledge-transfer programme, and of membership costs, please contact Prof. Nigel Mountney (n.p.mountney@leeds.ac.uk).

07/08/2020
Update to FRG-ERG Knowledge Database

Three new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1540-1542).

15/08/2020
New publication
Cosma, M., Yan, N., Colombera, L., Mountney, N.P., D'Alpaos, A. and Ghinassi, M., 2020. An integrated approach to determine accretion geometries of tidal point bars: examples form the Venice Lagoon. Sedimentology, published online. https://doi.org/10.1111/sed.12787 (Doc ID: 1557).

11/09/2020
New publication
Basilici, G., Soares, M.V.T., Mountney, N.P. and Colombera, L., 2020. Microbial influence on the accumulation of Neoproterozoic aeolian-dominated depositional systems: Venkatpur Sandstone Formation, Telangana State, southern India. Precambrian Research, 105854. https://doi.org/10.1016/j.precamres.2020.105854 (Doc ID: 1557).

20/09/2020
New publication
Colombera, L. and Mountney, N.P., 2020. Accommodation and sediment-supply controls on clastic parasequences: a meta-analysis. Sedimentology, 67, 1667-1709. https://doi.org/10.1111/sed.12728 (Doc ID: 1519).

30/09/2020
FRG-ERG newsletter 39 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG research initiatives in our latest newsletter, which can be found on the FRG website sponsors' pages (keyword: newsletter 39 – September 2020; Doc ID 1552).

02/10/2020
Update to FRG-ERG Knowledge Database
Twenty-eight new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1543-1570).

14/10/2020
New publication
Li, W., Yue, D., Colombera, L., Mountney, N.P. and Wu, S., 2020. A novel method for estimating sandbody compaction in fluvial successions. Sedimentary Geology, 105625 (Doc ID: 1524).

23/10/2020
Source-to-Sink Webinar by Luca Colombera
Luca presented a webinar entitled "Geological significance and source-to-sink controls on clastic parasequences" as part of the "S2S" series of webinars organized by Professor Paul Liu (Doc ID: 1575).
https://www.youtube.com/watch?v=MH9bgYaTvu0&t=22s

25/10/2020

New publication
Wang, R., Colombera, L. and Mountney, N.P., 2020. Palaeohydrological characteristics and palaeogeographic reconstructions of incised-valley-fill systems: Insights from the Namurian successions of the United Kingdom and Ireland, Sedimentology, published online. https://doi.org/10.1111/sed.12773 (Doc ID: 1563).

29/10/2020
FRG-ERG-SMRG webinar series
Our series of webinars covering topics in fluvial, aeolian and shallow-marine sedimentology and reservoir characterization is now available for sponsors to access. Some of the webinars have been recorded live and are in .mp4 video format; others have been pre-recorded for watching later and are in .pptx format with audio/video included. Find them via Keyword Search > Format > Webinar
https://frg.leeds.ac.uk/search_details.php?doc_keywords=&doc_published=&doc_author=&theme=23&doc_id=&doc_type=1&action=add&Submit=Submit

30/10/2020
Welcome to Yue Zhang
Welcome to Yue Zhang who will be working with members of FRG-ERG for one year from November 2020. Yue is based at the China University of Petroleum, Beijing, where she is undertaking PhD research. Yue will work on sedimentation in alluvial-fan successions.

31/10/2020
Update to FRG-ERG Knowledge Database
Five new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1571-1576).

01/11/2020
New publication
Li, W. Yue, D., Colombera, L., Du, Y, Zhang, S., Liu, R. and Wang, W., 2021. Quantitative prediction of fluvial sandbodies by combining seismic attributes of neighboring zones. Journal of Petroleum Science and Engineering, 196, 107749. https://doi.org/10.1016/j.petrol.2020.107749 (Doc ID: 1545).

02/11/2020
FAKTS, DASA, SMAKS, PB-SAND overview documents
To learn more about the research that underpins our fluvial, aeolian and shallow-marine sedimentary architecture databases (FAKTS, DASA and SMAKS), and our fluvial stratigraphic modelling software (PB-SAND), download our overview documents (Doc IDs 1528-1531).

https://frg.leeds.ac.uk/fluvtransfer/phase-5/FAKTS-2020-06.pdf
https://frg.leeds.ac.uk/fluvtransfer/phase-5/DASA-2020-06.pdf
https://frg.leeds.ac.uk/fluvtransfer/phase-5/SMAKS-2020-06.pdf
https://frg.leeds.ac.uk/fluvtransfer/phase-5/PB-SAND-2020-06.pdf

If your company is interested in joining our consortium project for this forthcoming Phase 5, please contact Prof. Nigel Mountney (n.p.mountney@leeds.ac.uk). We will be happy to provide details of the planned research and knowledge-transfer programme, and of membership costs.

03/11/2020
FRG-ERG-SMRG Phase 5 (Jan 2021- Dec 2023)
To learn more about the forthcoming Phase 5 of our research programme, current sponsors are invited to download our overview summary document (Doc ID 1527), which provides details of forthcoming research projects and deliverables, as well as costs. In addition to our portfolio of fluvial and aeolian sedimentary research, for Phase 5 we are also providing access to all of our shallow-marine sedimentary research. If your company is interested in joining our consortium project for this forthcoming Phase 5, please contact Prof. Nigel Mountney (n.p.mountney@leeds.ac.uk). We will be happy to provide details of the planned research and knowledge-transfer programme, and of membership costs.

15/12/2020
Sponsors' meeting: 12th and 13th January 2021
Because our regular schedule of in-person sponsor update meetings has been disrupted, we plan to run a Leeds-hosted Microsoft Teams meeting in mid-January 2021. 2.00–4.30 pm GMT, Tuesday 12th Jan & 8.00–10.30 am GMT, Wednesday 13th Jan. Contact your company representative for details and to obtain meeting joining instructions, else email Nigel Mountney (n.p.mountney@leeds.ac.uk).

01/01/2021
New Leeds PhD student
Welcome to Junaid Arif who has recently commenced his PhD project to investigate controls on sedimentary architecture in evolving rift settings, with specific emphasis on the Corinth Canal, Greece. Junaid is funded by the Punjab Educational Endowment Fund (PEEF) under the category of Chief Minister Merit Scholarship (CMMS) PhD program 2020-2021. Junaid's work will be supervised by Richard Collier, Luca Colombera and Nigel Mountney.

02/01/2021
New publication
Cosma, M., Yan, N., Colombera, L., Mountney, N.P., D'Alpaos, A. and Ghinassi, M., 2020. An integrated approach to determine accretion geometries of tidal point bars: examples form the Venice Lagoon. Sedimentology, 68, 449-476. https://doi.org/10.1111/sed.12787 (Doc ID: 1591).

03/01/2021
Fluvial, Eolian & Shallow-Marine Research Group Phase 5 launch
We are delighted to announce the official launch of Phase 5 of the Fluvial, Eolian & Shallow-Marine Research Group (FRG-ERG-SMRG) within the

School of Earth and Environment at the University of Leeds. Phase 5 of the consortium will run from January 2021 until December 2023.

04/01/2021
Welcome to Victor Hême de Lacotte
Welcome to Victor Hême de Lacotte who will be working with members of FRG-ERG-SMRG for six months from January 2021. Victor is undertaking his research degree at the University of Lyon, France, but will collaborate with the team at Leeds on a project entitled “Controls on sedimentary architecture arising from fluvial and aeolian system interactions.” Victor aims to characterise evolutionary behaviours and deposits of a range of modern fluvial-aeolian systems and their equivalent ancient preserved successions. Through his investigation, Victor will develop once specific part of the DASA database.

05/01/2021
FRG-ERG newsletter 40 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG-SMRG research initiatives in our latest newsletter, which can be found on the FRG website sponsors’ pages (keyword: newsletter 40 – January 2021; Doc ID 1590).

05/01/2021
Sponsors’ meeting: 12th and 13th January 2021
Because our regular schedule of in-person sponsor update meetings has been disrupted, we plan to run a Leeds-hosted Microsoft Teams meeting in mid-January 2021. We will run the meeting twice (i.e. same sessions repeated) as two c. two-and-a-half-hour sessions.

Meeting 1: 2.00 pm – 4.30 pm GMT, Tuesday 12th January 2021
Meeting 2: 8.00 am – 10.30 am GMT, Wednesday 13th January 2021

Key contacts in sponsor companies have been sent the joining instructions for the meetings. Alternatively, if you are an employee of a sponsor company and would like to attend one or both meetings but require the joining instructions, simply contact Nigel Mountney (n.p.mountney@leeds.ac.uk).

In advance of the meetings, we will prepare a series of webinar-style presentations, each c. 20-minutes in duration. These will provide succinct summaries of the many research projects that we currently have ongoing and that have recently been completed. We will upload these webinar-style presentations to the FRG-ERG-SMRG website by Thursday 7th January to allow sponsors to familiarize themselves with our recent research activities.

In the meeting itself, we will provide the following:
(i) an overview of what we have achieved in Phase 4 of the JIP;
(ii) a summary of our flagship sedimentary architectural databasing and numerical modelling research initiatives;

(iii) a summary of how our novel and innovative research methods and results can be applied for improved subsurface characterization in reservoir successions of fluvial, aeolian, paralic and shallow-marine origin;
(iv) a summary of the various knowledge transfer initiatives that are available to sponsors;
(v) an overview of our planned research for FRG-ERG-SMRG Phase 5;
(vi) an open discussion of how we are embracing initiatives for low-carbon subsurface energy solutions, including shallow and deep geothermal, CCS and hydrogen storage.
We will be keen to invite questions and discussion. A full schedule for the meeting will be finalized in very early January. We appreciate that the meeting timings may not suit all, so we will record the sessions for later perusal, if desired.

Please go ahead and advertise these meeting sessions within your company. We should be able to accommodate 15-20 attendees from each company. Please let us know if you would like more seats, or need fewer, and we'll do some shuffling. If you have any questions, don't hesitate to get in touch.

16/01/2021
Update to FRG-ERG Knowledge Database
Thirty-six new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1593-1628).

17/01/2021
Congratulations to Dave Somerville
Congratulations to Dave who has successfully defended his PhD thesis at his viva voce examination at the University of Leeds (Doc ID: 1629).

Dave's thesis is entitled "Fluvial and alluvial response to rift basin evolution". Dave was funded by FRG-ERG-SMRG; thanks to the group sponsors for their support.

18/01/2021
FRG-ERG-SMRG sponsors' meeting presentations online
The full set of presentations and recordings from the last FRG-ERG-SMRG sponsors' meeting (held on 12th and 13th January) are now available via the web site:
https://frg.leeds.ac.uk/search_details.php?doc_keywords=sponsor+meeting+2021+01+-+virtual&doc_published=&doc_author=&theme=%25&doc_id=&doc_type=1&action=add&Submit=Submit
(you will need to be logged in to the web site sponsors' pages to access this link)

There are 41 files in total: 1 meeting summary agenda, 19 pre-recorded and narrated PowerPoint files, 8 PowerPoint presentations given at the meeting itself, 8 videos of us delivering those presentations, and 5 announcement documents which provide details about Phase 5.

28/01/2021
New publication
Yan, N., Colombera, L. and Mountney, N.P., 2021. Controls on fluvial meander-belt thickness and sand distribution: insights from forward stratigraphic modelling. Sedimentology, published online. https://doi.org/10.1111/sed.12830 (Doc ID: 1639)

02/02/2021
New publication
Soares, M.V.T., Basilici, G., Marinho, T.D.A., Martinelli, A.G., Marconato, A., Mountney, N.P., Colombera, L., Mesquita, A.F., Vasques, J.T., Abrantes Junior, F.R. and Ribeiro, L.C.B., 2021. Sedimentology of a distributive fluvial system: The Serra da Galga Formation, a new lithostratigraphic unit (Upper Cretaceous, Bauru Basin, Brazil). Geological Journal, 56, 951-975. https://doi.org/10.1002/gj.3987 (Doc ID: 1640)

03/02/2021
Invited SedsOnline presentation
Mountney, N.P., Colombera, L., Cosgrove, G. and Yan, N., 2021. The fingerprint of environmental change in the aeolian sedimentary record. SedsOnline, International Association of Sedimentologists, 3rd February 2021. (Doc IDs: 1642-1644).

04/02/2021
New publication
Cosma, M., Yan, N., Colombera, L., Mountney, N.P., D'Alpaos, A. and Ghinassi, M., 2020. An integrated approach to determine accretion geometries of tidal point bars: examples form the Venice Lagoon. Sedimentology, 68, 449-476. https://doi.org/10.1111/sed.12787 (Doc ID: 1641).

02/03/2021
New publication
Lancaster, N. and Mountney, N.P., 2021. Aeolian Processes and Landforms. In: Alderton, D. and Elias, S. (eds), Enclyclopedia of Geology, Second Edition, Elsevier, 809-829. https://doi.org/10.1016/B978-0-08-102908-4.00031 (Doc ID: 1645)

15/03/2021
New publication
Montero, J.M., Colombera, L, Yan, N and Mountney, N.P., 2021. Predicting heterogeneity in fluvial meander-belt successions using a combined forward stratigraphic modelling and multi-point geostatistical approach. Journal of Petroleum Science and Engineering, 201, 108411. https://doi.org/10.1016/j.petrol.2021.108411 (Doc ID: 1646)

22/03/2021
New publication
Cosgrove, G.I.E., Colombera, L. and Mountney, N.P., 2021. A Database of Aeolian Sedimentary Architecture for the characterization of modern and

ancient sedimentary systems. Marine and Petroleum Geology, 127, 104983. https://doi.org/10.1016/j.marpetgeo.2021.104983 (Doc ID: 1647)

01/04/2021
New publication
Wang, R., Ji, Y., Colombera, L., Mountney, N.P., Yuan, B., Li, D., Song, H and Zhou, S., 2021. Axial and transverse depositional systems of a syn-rift basin fill (Bohai Bay Basin, China). Marine and Petroleum Geology, 128, 105045. https://doi.org/10.1016/j.marpetgeo.2021.105045 (Doc ID: 1653)

02/04/2021
Presentation by Luca Colombera
Luca presented a talk entitled “Architecture of Quaternary successions in Alpine valleys” as part of a FRG-ERG-SMRG research link-up with the Phenix consortium project (Doc ID: 1652).

02/04/2021
Webinar by Nigel Mountney
Nigel presented a webinar entitled “Concepts in applied fluvial sedimentology 2” as part of the FRG-ERG-SMRG webinar series (Doc ID: 1649-1651).

03/04/2021
New publication
Colombera, L. and Mountney, N.P., 2021. Influence of fluvial crevasse-splay deposits on sandbody connectivity: lessons from geological analogues and stochastic modelling. Marine and Petroleum Geology, 128, 105060. https://doi.org/10.1016/j.marpetgeo.2021.105060 (Doc ID: 1654)

04/04/2021
Invited keynote conference presentation
Colombera, L., Yan, N., Mountney, N.P., Parquer, M and Montero, J., 2021. New approaches to geocellular modelling for meander-belt reservoirs. Gussow Conference, Canadian Society of Petroleum Geologists,10-11th March 2021. (Doc IDs: 1635 & 1636).

05/04/2021
Update to FRG-ERG Knowledge Database
Twenty-five new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1630-1654).

06/04/2021
FRG-ERG-SMRG webinar series – watch online
The entire webinar series is available to watch online: search for keyword “webinar”. There are currently >40 webinars to watch.

20/04/2021
New publication
Basilici, G, Mesquita, A, F., Soares, A.V.T., Janočkoc, J., Mountney, N.P. and Colombera, L., 2021. A Mesoproterozoic hybrid dry-wet aeolian system:

Galho do Miguel Formation, SE Brazil. Precambrian Research, 359, 106216. https://doi.org/10.1016/j.precamres.2021.106216 (Doc ID: 1655)

22/04/2021
Occidental have joined the FRG-ERG-SMRG Phase 5 consortium
Occidental have joined the FRG-ERG-SMRG Phase 5 consortium with immediate effect. Welcome back!

05/05/2021
FRG-ERG-SMRG at the EGU General Assembly, online
Laura Buehrig of FRG-ERG-SMRG and TRG made presentation at the European Geophysical Union General Assembly, online, 19th – 30th April 2021.

10/06/2021
FRG-ERG newsletter 41 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG-SMRG research initiatives in our latest newsletter, which can be found on the FRG-ERG-SMRG website sponsors' pages (keyword: newsletter 41 – June 2021; Doc ID 1661).

26/06/2021
New publication
Yan, N., Colombera, L. and Mountney, N.P., 2021. Controls on fluvial meander-belt thickness and sand distribution: insights from forward stratigraphic modelling. Sedimentology, 68, 1831-1860. https://doi.org/10.1111/sed.12830 (Doc ID: 1692)

31/06/2021
FRG-ERG-SMRG at the IAS International Meeting of Sedimentology, Prague, Czech Republic
Members of FRG-ERG-SMRG made 5 presentations at the 35th IAS International Meeting of Sedimentology held in Prague, Czech Republic, 21st – 25th June 2021. (Doc IDs: 1666-1670)

15/07/2021
New publication
Lancaster, N. and Mountney, N.P., 2021. Aeolian Processes and Landforms. In: Alderton, D. and Elias, S. (eds), Enclyclopedia of Geology, Second Edition, Elsevier, 809-829. https://doi.org/10.1016/B978-0-08-102908-4.00031 - Xhttps://doi.org/10.1016/B978-0-08-102908-4.00031-X (Doc ID: 1671)

20/07/2021
FRG-ERG-SMRG at the International Conference on Fluvial Sedimentology (ICFS), online
Luca Colombera of FRG-ERG-SMRG made a presentation at the International Conference on Fluvial Sedimentology (ICFS), online meeting, 14th – 15th July 2021. (Doc ID: 1672)

30/07/2021

New publication
Bristow, C.S. and Mountney, N.P., 2021. Aeolian Landscapes, Aeolian Stratigraphy. In: Shroder, J. (Ed.), Treatise on Geomorphology. Second Edition, Elsevier, San Diegeo, USA, 7982 pp. ISBN 9780128182345 (Doc ID: 1664)

11/08/2021
FRG-ERG newsletter 42 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG-SMRG research initiatives in our latest newsletter, which can be found on the FRG-ERG-SMRG website sponsors' pages (keyword: newsletter 42 – August 2021; Doc ID 1662).

16/08/2021
New publication
Abdullah, H.G., Collier, R.E.L. and Mountney, N.P., 2021. Variations in carbonate-evaporite shoreline and ramp facies trends: Middle Miocene Fatha Formation, Kurdistan Region, NE Iraq. Journal of African Earth Sciences, 184, 104351. 10.1016/j.jafrearsci.2021.104351 (Doc ID: 1677)

17/08/2021
New publication
Yan, N., Colombera, L. and Mountney, N.P., 2021. Evaluation of Morphodynamic Controls on the Preservation of Fluvial Meander-Belt Deposits. Geophysical Research Letters, 48, e2021GL094622. https://doi.org/ 10.1029/2021GL094622 (Doc ID: 1683)

18/08/2021
Update to FRG-ERG-SMRG Knowledge Database
Eight new research documents have been added to the FRG-ERG Knowledge Database for access by group sponsors (Doc IDs: 1655-1662).

20/08/2021
New publication
Alshammari, B., Mountney, N.P., Colombera, L and Al-Masrahy, M.A., 2021. Sedimentation in a fluvial to shallow-marine succession: a subsurface example from the Dhruma Formation, Saudi Arabia. Journal of Sedimentary Research, 91, 773-794. https://doi.org/ 10.2110/jsr.2020.077 (Doc ID: 1678)

21/08/2021
FRG-ERG-SMRG at the image'21 conference, Denver, Colorado
Members of FRG-ERG-SMRG will make 2 presentations at the forthcoming image'21 SEG and AAPG meeting, 26th September to 1st October 2021. (Doc IDs: 1686-1687)

23/08/2021
New publication
Cosgrove, G.I.E., Colombera, L. and Mountney, N.P., 2021. Quantitative analysis of the sedimentary architecture of eolian successions developed under icehouse and greenhouse climatic conditions. Geological Society of

America, Bulletin, published online. https://doi.org/10.1130/B35918.1 (Doc ID: 1680)

05/09/2021
FRG-ERG-SMRG at the ISZA conference, Zalakaros, Hungary
Soma Budai of FRG-ERG-SMRG will a presentation at the forthcoming ISZA conference, Zalakaros, Hungary, 10th – 11th September 2021. (Doc ID: 1688)

09/09/2021
AkerBP have joined the FRG-ERG-SMRG Phase 5 consortium
AkerBP have joined the FRG-ERG-SMRG Phase 5 consortium with immediate effect. Welcome back!

10/09/2021
New publication
Cosgrove, G.I.E., Colombera, L. and Mountney, N.P., 2021. The role of subsidence and accommodation generation in controlling the nature of the aeolian stratigraphic record. Journal of the Geological Society, published online. https://doi.org/10.1144/jgs2021-042 (Doc ID: 1681)

10/09/2021
Update to FRG-ERG-SMRG Knowledge Database
Twenty-nine new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1663-1691)

16/09/2021
New publication
Yan, N., Colombera, L. and Mountney, N.P., 2021. Controls on fluvial meander-belt thickness and sand distribution: insights from forward stratigraphic modelling. Sedimentology, 68, 1831-1860. https://doi.org/10.1111/sed.12830 (Doc ID: 1692)

17/09/2021
FRG-ERG newsletter 43 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG-SMRG research initiatives in our latest newsletter, which can be found on the FRG-ERG-SMRG website sponsors' pages (keyword: newsletter 43 – September 2021; Doc ID 1693).

20/10/2021
New publication
Zhang, Y., Colombera, L., Mountney, N.P., Gao, C., Ji, Y., Wu, H., Du, W., Liu, D., Bai, D. and Song, W., 2021. Sedimentation of open-framework gravels in alluvial-fan settings: Quaternary Poplar Fan, northwest China. Marine and Petroleum Geology, 134, 105376. 1-24. https://doi.org/10.1016/j.marpetgeo.2021.105376 (Doc ID: 1698)

22/10/2021
New publication

Mesquita, A.F., Basilici, G., Soares, M.V.T., Janočko, J., Mountney, N.P., Colombera, L., de Souza Filho, C.R., 2021. Hybrid dry-wet interdune deposition in Precambrian aeolian systems: Galho do Miguel Formation, Southeast Brazil. Sedimentary Geology, 425, 106007, 1-21. https://doi.org/10.1016/j.sedgeo.2021.106007 (Doc ID: 1699)

30/10/2021
FRG-ERG-SMRG at the Congress of Latin American Sedimentology, Paraná, Argentina
Luca Colombera of FRG-ERG-SMRG gave an invited keynote presentation (online) on distributive fluvial systems at the joint CLS and RAS conference, Paraná, Argentina , 27th – 30th October 2021. (Doc ID: 1697)

01/11/2021
New publication
Budai, S., Colombera, L. and Mountney, N.P., 2021. Quantitative characterisation of the sedimentary architecture of Gilbert-type deltas. Sedimentary Geology, published online. https://doi.org/10.1016/j.sedgeo.2021.106022 (Doc ID: 1709)

02/11/2021
New publication
Cosgrove, G.I.E., Colombera, L. and Mountney, N.P., 2021. Quantitative analysis of the sedimentary architecture of eolian successions developed under icehouse and greenhouse climatic conditions. Geological Society of America, Bulletin, 133, 2625-2644. https://doi.org/10.1130/B35918.1 (Doc ID: 1702)

04/11/2021
Update to FRG-ERG-SMRG Knowledge Database
Thirteen new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1695-1707)

01/12/2021
Welcome to Lei Ye
Welcome to Lei Ye who is undertaking her PhD research as a member of FRG-ERG-SMRG at Leeds from November 2021. Lei's project is entitled "Database-informed quantitative facies models for stratigraphic prediction in lacustrine delta sedimentary successions: from source to sink in rift basins." Lei is from China University of Petroleum, Beijing, where she works with Professor Xiaomin Zhu.

03/12/2021
Update to FRG-ERG-SMRG Knowledge Database
Five new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1708-1712)

17/01/2022
FRG-ERG newsletter 44 now online (extended format)

Keep up-to-date with a summary of recent FRG-ERG-SMRG research initiatives in our latest newsletter, which can be found on the FRG-ERG-SMRG website sponsors' pages (keyword: newsletter 44 – January 2022; Doc ID 1713).

20/01/2022
New publication
Cosgrove, G.I.E., Colombera, L. and Mountney, N.P., 2022. The role of subsidence and accommodation generation in controlling the nature of the aeolian stratigraphic record. Journal of the Geological Society, 179, jgs2021-042. https://doi.org/10.1144/jgs2021-042 (Doc ID: 1717)

18/02/2022
New publication
Campos-Soto, S., Benito, M.I., Mountney, N.P., Plink-Björklund, P., Quijada, I.E., Suarez-Gonzalez, P. and Cobos, A., 2022. Where humid and arid meet: Sedimentology of coastal siliciclastic successions deposited in apparently contrasting climates. Sedimentology, 69, 975-1027. https://doi.org/10.1111/sed.12958 (Doc ID: 1718)

12/03/2022
New publication
Cosgrove, G.I.E., Colombera, L. and Mountney, N.P., 2022. Eolian stratigraphic record of environmental change through geological time. Geology, 50, 289-294. https://doi.org/10.1130/G49474.1 (Doc ID: 1719)

13/04/2022
New publication
Arévalo, O.J., Colombera, L., Mountney, N.P., Basilici, G. and Soares, M.V.T., 2022. Variations in water discharge at different temporal scales in a mud-prone alluvial succession: The Paleocene-Eocene of the Tremp-Graus Basin, Spain. Sedimentary Geology, 433, 106122, 1-24. https://doi.org/10.1016/j.sedgeo.2022.106122 (Doc ID: 1720)

27/04/2022
FRG-ERG newsletter 45 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG-SMRG research initiatives in our latest newsletter, which can be found on the FRG-ERG-SMRG website sponsors' pages (keyword: newsletter 45 – April 2022; Doc ID 1716).

02/05/2022
New publication
Basilici, G, Colombera, L., Soares, M.V.T., Arévalo, O.J., Mountney, N.P., Lorenzoni, P., Filho, C.R.S., Mesquita, A.F. and Janočko, J., 2022. Variations from dry to aquic conditions in vertisols: a late Paleocene climate change (Esplugafreda Formation, eastern Pyrenees, Spain). Palaeogeography, Palaeoclimatology, Palaeoecology, 595, 110972, 1-22. https://doi.org/10.1016/j.palaeo.2022.110972 (Doc ID: 1721)

12/05/2022
New publication
Colombera, L. and Mountney, N.P., 2022. Scale dependency in quantifications of the avulsion frequency of coastal rivers. Earth Science Reviews, 230, 104043, 1-23. https://doi.org/10.1016/j.earscirev.2022.104043 (Doc ID: 1722)

02/06/2022
New publication
Bührig, L., Colombera, L., Patacci, M., Mountney, N.P. and McCaffrey, W.D., 2022. Tectonic influence on the geomorphology of submarine canyons: implications for deep-water sedimentary systems. Frontiers in Earth Sciences, 10:836823, 30 pages. https://doi.org/10.3389/feart.2022.836823 (Doc ID: 1724)

28/06/2022
FRG-ERG-SMRG Phase 5: Progress Report 15
An interim progress report relating to FRG-ERG-SMRG Phase 5 research activity to June 2022 is now available for sponsors to download from the website's private pages. This document provides a succinct summary of our recent, ongoing and forthcoming activities (keyword: progress report 15 – June 2022; Doc ID: 1731).

04/07/2022
Update to FRG-ERG-SMRG Knowledge Database
Sixteen new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1717-1732)

05/07/2022
New FAKTS and SMAKS analogue database interfaces
Newly developed interfaces for interrogation of our FAKTS and SMAKS analogue databases are now available.

https://frg.leeds.ac.uk/databases-and-software.html

- The interfaces have been created in-house by FRG-ERG-SMRG.
- No paid subscription required for active sponsors.
- Free access to the interfaces until 30th September 2022.
- The interfaces are deployed as cloud-based applications: they can be opened in a web browser; no specialized software required.
- The interfaces provide an extensive set of analogue filters: select relevant analogues to subsurface successions by finding similar depositional systems and filtering on metadata.
- The interfaces include graphical charting capabilities: graphs and tables are updated in real time fly as filters are applied.
- The interfaces provide access to data from ca. 600 analogue studies of clastic successions and modern systems.
- The interfaces employ a modular design: the applications can be expanded through the addition of extra functionalities to suit user requirements (e.g., variogram modelling, volume calculations).

- For more details see: https://frg/leeds.ac.uk/uploaddocs/1732_KT_Sum_LC_2022.pdf

04/07/2022
Update to FRG-ERG-SMRG Knowledge Database
Three new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1737-1739)

05/08/2022
The new interface for the Database of Aeolian Sedimentary Architecture (DASA) can be accessed at the following address:
https://shinydasa.azurewebsites.net/
Open access until 31st October 2022: demo_user; demo-pass

We are pleased to announce the launch of our new cloud-based application for the interrogation of the DASA reservoir-analogue database developed by the Fluvial, Eolian & Shallow-Marine Research Group.

This new database interfaces – developed in-house by our group – can be accessed using a web browser (MS Edge or Google Chrome recommended), for extracting analogue data to be used in subsurface characterization and reservoir modelling.

We are now offering free promotional access to our **shinyDASA** app to current and prospective sponsors of the consortium, until 31st October 2022. Sponsoring companies will retain access to the interface beyond that date.

The new interface for the **Database of Aeolian Sedimentary Architecture (DASA)** can be accessed at the following address:

https://shinydasa.azurewebsites.net/

Promotional access is offered by log-on using the following credentials (case sensitive):

Username: demo_user

Password: demo-pass

You can read about this new interface, and find a quick guide on how to use it, in this document:

https://frg.leeds.ac.uk/uploaddocs/1736_KT_Sum_GC_2022.pdf

04/10/2022
Update to FRG-ERG-SMRG Knowledge Database

Eight new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1733-1740)

27/10/2022
FRG-ERG newsletter 46 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG-SMRG research initiatives in our latest newsletter, which can be found on the FRG-ERG-SMRG website sponsors' pages (keyword: newsletter 46 – October 2022; Doc ID 1740).

15/11/2022
Welcome to Ke Yang
Welcome to Ke Yang who is undertaking his PhD research as a member of FRG-ERG-SMRG at Leeds from November 2022. Ke's project is entitled "Controls on basin evolution and sedimentation during early rifting of a fluvio-lacustrine basin". Ke is from China University of Petroleum, Beijing, where he works with Professor Xiaomin Zhu. Ke's research at Leeds has been funded by the China Scholarship Council (CSC).

24/11/2022
New publication
Hême de Lacotte, V.J.P. and Mountney, N.P., 2022. A classification scheme for sedimentary architectures arising from aeolian-fluvial system interactions: Permian examples from southeast Utah, USA. Aeolian Research. 58, 100815, 23 pages. https://doi.org/10.1016/j.aeolia.2022.100815 (Doc ID: 1741)

01/12/2022
Welcome to Xiaojiao Pang
Welcome to Xiaojiao Pang who is undertaking her PhD research as a member of FRG-ERG-SMRG at Leeds from November 2022. Xiaojiao's project is entitled "Coupling relationships between multi-scale lamina structure and microscopic pore structure in fine-grained sedimentary rocks". Xiaojiao is from China University of Petroleum, Beijing, where she works with Professor Guiwen Wang and Dr Jin Lai. Xiaojiao's research at Leeds has been funded by the China Scholarship Council (CSC).

04/12/2022
New publication
Bührig, L., Colombera, L., Patacci, M., Mountney, N.P. and McCaffrey, W.D., 2022. A global analysis of controls on submarine-canyon geomorphology. Earth Science Reviews. 233, 104150.
https://doi.org/10.1016/j.earscirev.2022.104150 (Doc ID: 1742)

03/01/2023
New publication
Li, W., Colombera, L., Yue, D. and Mountney, N.P., 2023. Controls on the morphology of braided rivers and braid bars: an empirical characterization of numerical models. Sedimentology, 70, 259-279.
https://doi.org/10.1111/sed.13040 (Doc ID: 1743)

04/01/2023
Update to FRG-ERG-SMRG Knowledge Database
Ten new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1741-1750)

05/01/2023
FRG-ERG newsletter 47 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG-SMRG research initiatives in our latest newsletter, which can be found on the FRG-ERG-SMRG website sponsors' pages (keyword: newsletter 47 – January 2023; Doc ID 1750).

20/01/2023
New publication
Li, W., Colombera, L., Yue, D. and Mountney, N.P., 2023. Controls on the morphology of braided rivers and braid bars: an empirical characterization of numerical models. Sedimentology, 70, 259-279. https://doi.org/10.1111/sed.13040 (Doc ID: 1754)

28/01/2023
Participation to "Stratigraphy fingerprinting today's energy"
We will attend the event titled "Stratigraphy fingerprinting today's energy: New approaches and techniques on stratigraphy interpretation", 29th May, Castell'Arquato (Italy), with an invited talk on training machine-learning algorithms for sequence stratigraphic interpretations.

30/01/2023
New publication
Cosgrove, G.I.E., Colombera, L. and Mountney, N.P., 2023. Quantitative analysis of aeolian stratigraphic architectures preserved in different tectonic settings. Earth Science Reviews, 237, 104293. https://doi.org/10.1016/j.earscirev.2022.104293 (Doc ID: 1755)

06/02/2023
Organization of ICFS 2023 fieldtrip in the Tremp-Graus basin
Luca Colombera and Giorgio Basilici will lead the four-day fieldtrip titled "Fluvial sedimentary architectures and palaeosols of the Paleogene of the Tremp-Graus Basin (Spanish Pyrenees)", 28th June – 1st July 2023, organized as part of the International Conference of Fluvial Sedimentology 2023. The trip will focus on Paleogene alluvial successions from the Tremp-Graus Basin (Spanish Pyrenees), allowing observations of a broad range of architectural styles, facies arrangements and pedogenic characteristics. The fieldtrip guide will be made available soon to FRG-ERG-SMRG sponsors.

10/02/2023
New publication
Colombera, L. and Mountney, N.P., 2023. Downstream controls on coastal-plain river avulsions: a global study. Journal of Geophysical Research: Earth Surface, 128, e2022JF006772. https://doi.org/10.1029/2022JF006772 (Doc ID: 1756)

11/02/2023
Organization of ICFS 2023 short course on subsurface modelling
Luca Colombera, Alessandro Comunian and Chiara Zuffetti (State University of Milan) will run a one-day workshop covering the principal geostatistical and modelling techniques used to create representations of alluvial deposits (Riva del Garda, Italy, 5th July 2023). The event is organized as part of the International Conference of Fluvial Sedimentology 2023. The course will focus on practical applications of geostatistical and other modelling techniques used to create geocellular models of subsurface alluvial successions. The short-course handouts and practicals will be made available soon to FRG-ERG-SMRG sponsors.

10/03/2023
Organization of ICFS 2023 scientific session
At the International Conference of Fluvial Sedimentology 2023 (Riva del Garda, Italy, 2nd – 7th July 2023), Luca Colombera, John Holbrook and Ivar Midtkandal will chair the scientific session titled “Alluvial systems at the interface with other environments”.

02/04/2023
New publication
Pang, X, Wang, G., Mountney, N.P., Kuang, L., Zhao, X., Zhao, Y., Li, H, Han, Z and Tian, H., 2023. Prediction of lamina structure and reservoir quality in shale using well logs: The Cretaceous Qingshankou Formation, Gulong Sag, Songliao Basin, China. Geoenergy Science and Engineering, 227, 211827. https://doi.org/10.1016/j.geoen.2023.211827 (Doc ID: 1757)

06/04/2023
Organization of SEPM research conference
Luca Colombera has joined the team (Howard Feldman, Bruce Ainsworth and Rebecca Caldwell) organizing the SEPM research conference titled “Parasequences Research Conference: Are Siliciclastic Parasequences still relevant?” to be held in Green River (Utah), 9th – 12th October 2023 (https://www.sepm.org/parasequencesrc). This will be a small, focused meeting on the parasequence concept, and will consist of a blend of fieldtrips (classic Panther Tongue, Ferron and Blackhawk locations), meeting presentations and interactive discussion.

14/04/2023
New publication
Yan, N., Colombera, L. and Mountney, N.P., 2023. Sediment preservation and accretion rates of fluvial meander-belt deposits: variations with temporal scale and river size. In: Finotello, A., Durkin, P. and Sylvester, Z. (Eds.), Meandering Streamflows: Patterns and Processes Across Landscapes and Scales. Geological Society, Special Publication, 540, published online. https://doi.org/10.1144/SP540-2022-142 (Doc ID: 1758)

26/04/2023
Geothermal Reservoir Characterization

FRG-ERG-SMRG has commenced a two-year research project entitled "Impacts of sedimentary heterogeneity on low-enthalpy geothermal use and underground thermal energy storage". The research is led by Luca Colombera and will be undertaken at the University of Pavia, Italy.

02/05/2023
Welcome to Dr Hamed Aghaei
Welcome to Dr Hamed Aghaei, a scientist with a broad background in subsurface engineering and sedimentary geology (PhD, Monash University). His principal research interests are in the field of subsurface characterization applied to the energy transition, with a particular focus on hydrogen storage in carbonate rocks. He has recently commenced a two-year position as Postdoctoral Research Associate in the Fluvial, Eolian & Shallow-Marine Research Group; he is based at the University of Pavia (Italy) and works closely alongside staff at the University of Leeds. Hamed's research is focused on investigation of the impact of sedimentary heterogeneity of fluvial, alluvial and aeolian successions on the effectiveness of programmes of exploitation of low-enthalpy geothermal resources.

03/05/2023
New publication
Cao, S., Xhang, L., Mountney, N.P., Ma, J, Hao, M. and Wang, C., 2023. Ultra-long-distance transport of aeolian sand: the provenance of an intermontane desert, SE China. Sedimentology, published online. https://doi.org/10.1111/sed.13106 (Doc ID: 1759)

12/05/2023
New publication
Cosgrove, G.I.E., Colombera, L., Mountney, N.P., Basilici, G., Mesquita, Á and Soares, M.V.T., 2023. Precambrian aeolian systems: A unique record? Precambrian Research, 392, 107075. https://doi.org/10.1016/j.precamres.2023.107075 (Doc ID: 1760)

17/05/2023
Welcome to Andréa Morel
Welcome to Andréa Morel, visiting MSc student from the Polytechnic Institute of Bordeaux, France. Andréa will complete a four-month internship in FRG-ERG-SMRG at Pavia, from May 2023. Andréa will undertake analyses of virtual outcrop models and contribute to FAKTS data population, working on a variety of geological analogues to subsurface successions.

19/05/2023
Update to FRG-ERG-SMRG Knowledge Database
Fifteen new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1751-1765)

20/05/2023
FRG-ERG-SMRG newsletter 48 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG-SMRG research initiatives in our latest newsletter, which can be found on the FRG-ERG-

SMRG website sponsors' pages (keyword: newsletter 48 – May 2023; Doc ID 1765).

02/07/2023
Welcome to Sheng Chen: new PhD student
Welcome to Sheng Chen, who commenced his PhD research degree as a joint member of FRG-ERG-SMRG and TRG in July 2023. Sheng is working on shelf-edge fluvio-deltaic systems and the delivery of sediment to slope and deep-water settings.

15/07/2023
New publication
Yang, K., Zhu, X., Colombera, L., McArthur, A., Mountney, N.P., Zhu, S., Jin, L., Shen, T, Yang, H., Chen, H., Xie, S. and Jin, X., 2023. Sediment provenance and dispersal in the early Eocene Dongying Depression, Bohai Bay Basin, Eastern China: Evidence from detrital zircon geochronology, geochemistry and petrology. Sedimentary Geology, 454, 106453. https://doi.org/10.1016/j.sedgeo.2023.106453 (Doc ID: 1771)

01/08/2023
New publication
Li, W., Yue, D., Colombera, L., Duan, D., Long, T., Wu, S. and Liu, Y., 2023. A novel method for seismic-attribute optimization driven by forward modeling and machine learning in prediction of fluvial reservoirs. Geoenergy Science and Engineering, 227, 211952. https://doi.org/10.1016/j.geoen.2023.211952 (Doc ID: 1783)

02/08/2023
Update to FRG-ERG-SMRG Knowledge Database
Eighteen new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1766-1783)

07/08/2023
New web-based analogue database interfaces
We are delighted to announce the launch of our new web-based analogue database interfaces, which provide unlimited sponsor access to our analogue sedimentary architecture databases (7 MB):
https://frg.leeds.ac.uk/uploaddocs/1766_KT_Sum_LC_2023.pdf

This document can also be accessed via the FRG-ERG-SMRG Knowledge Base: search for Doc ID 1766.

Further information is available on the "Databases & Software" page of our web site:
https://frg.leeds.ac.uk/databases-and-software.html

04/09/2023
FRG-ERG-SMRG Phase 6 (Jan 2024- Dec 2026)
We are pleased to announcement plans for FRG-ERG-SMRG Phase 6, which will run from January 2024 to December 2026.

https://frg.leeds.ac.uk/pdfs/FRG-ERG-SMRG-Phase-6-2024-26-announcement.pdf

At this time we invite initial expressions of interest from existing and new potential sponsor companies. For details of the planned research and knowledge-transfer programme, and of membership costs, please contact Dr Luca Colombera (luca.colombera@unipv.it) or Prof. Nigel Mountney (n.p.mountney@leeds.ac.uk).

(Doc ID: 1784)

31/05/2024
Welcome to Georgios Pantopoulos: new PDRA at Pavia
Welcome to Georgios Pantopoulos, a Postdoctoral Research Associate at the University of Pavia (Italy), working as part of an EU-funded project focusing on the geological modelling of selected areas of the Po Basin subsurface for geothermal applications.

Georgios Pantopoulos is a geologist and holds a PhD from the University of Patras (Greece), specializing in sedimentology of siliciclastic successions. He has worked in several research projects for the University of Patras, the Geological Survey of Denmark and Greenland, the Federal University of Rio Grande do Sul (Brazil) and the University of Milan (Italy), involving fieldwork mapping, clastic sedimentology, statistical and textural analysis of sedimentological data and marine geological surveying. Since May 2024, he has been working at the University of Pavia (Italy), as part of an EU-funded project focusing on the geological modelling of selected areas of the Po Basin subsurface for geothermal applications.

02/07/2023
Welcome to Sharif Al Bahri: new PhD student
Welcome to Sharif, who commenced his PhD research degree as a joint member of FRG-ERG-SMRG and TRG in October 2023. Sharif is working on Evaluation of the CO2 Storage Potential of the Lower Shuaiba Formation, Oman. Sharif's research project is funded by OQ – Oman.

02/11/2023
Welcome to Qiwei Gou: new visiting PhD student
Welcome to Qiwei, who is undertaking her PhD research as a member of FRG-ERG-SMRG at Leeds from November 2023. Qiwei's project is researching "Genesis and tectonic evolution of faults and their influence on sedimentation in the Dongying Depression, China". Qiwei is from China University of Petroleum, Beijing. Her research at Leeds has been funded by the China Scholarship Council (CSC).

04/06/2024
Welcome to Qing He: PhD student
Welcome to Qing He, who is undertaking working alongside members of FRG-ERG-SMRG at Leeds. Qing's project is researching "Depositional

architecture and evolution of Cambrian carbonate platforms". Qing is from Peking University, China.

02/09/2024
Welcome to Samuel Scott: new postgraduate research student
Welcome to Sam, who commenced his MRes research degree at Leeds as a member of FRG-ERG-SMRG in September 2024. Sam is working on "Quantitative characterization of the Triassic Sherwood Sandstone Group: suitability for long-term carbon capture and underground storage and geothermal reservoir potential". Sam is part funded by Geosolutions Leeds.

02/10/2024
Welcome to Jack Humphries: new PhD student
Welcome to Jack, who commenced his PhD research degree at Leeds as a member of FRG-ERG-SMRG in October 2024. Jack is working on "The fingerprint of environmental change in the fluvial-aeolian sedimentary record". Jack is funded by a scholarship from the NERC Panorama DTP.

12/10/2023
SEPM conference: Are Siliciclastic Parasequences Still Relevant?
Conveners: Howard Feldman (Colorado State University), Bruce Ainsworth (Santos Ltd.), Luca Colombera (FRG-ERG-SMRG), Rebecca Caldwell (Chevron). The SEPM Research Conference 2023: "Are Siliciclastic Parasequences Still Relevant?" took place in and around Green River, Utah, USA, on 9-12 October, 2023.

Conveners: Howard Feldman (Colorado State University), Bruce Ainsworth (Santos Ltd.), Luca Colombera (FRG-ERG-SMRG), Rebecca Caldwell (Chevron)
The SEPM Research Conference 2023: "Are Siliciclastic Parasequences Still Relevant?" took place in and around Green River, Utah, USA, on 9-12 October, 2023. It was a mixed-format conference with two field days and two conference talk days. There were forty-seven attendees in total, from 9 different countries (Australia, Bulgaria, Canada, Italy, Norway, South Korea, Thailand, UK, USA), 17 universities and research institutes, 12 energy companies, and 4 independent consultants. The venue for the two conference days was the John Wesley Powell River History Museum in Green River. Participants were treated to 26 talks on the themes of general concepts, Quaternary shorelines, ancient shorelines, parasequences in the fluvial-tidal transition and into non-marine strata, mudstone-dominated portions of parasequences, and modelling parasequences. The Thompson Canyon, Desert Member core was also available for the participants to inspect and discuss in the museum, as were core photos from the Floy Canyon and Price River cores (Desert Member and Panther Tongue, respectively). The fieldtrips and discussion encouraged detailed conversations on the current relevance of parasequences. Key takeaways from the discussions were: (i) parasequences are still very much relevant to today's stratigraphers and sedimentologists for multiple pragmatic reasons including: representing one of the building blocks of stratigraphy, defining subsurface flow-units and vertical compartments, and being potentially recognisable across various datasets (outcrops, well logs,

seismic); (ii) there is still no consensus on the actual definition and/or usage of a parasequence; it was recommended that authors of papers or presentations define upfront what definition of a parasequence they are using and if they are tying it to any temporal or hierarchical scale; (iii) an SEPM Special Publication pulling together the state-of-the-art on parasequences and their applications will be one of the outputs of the conference. The Special Publication will see the light in 2025.

01/02/2024
FRG-ERG-SMRG Sponsors' Meeting presentations
Presentations form the January 2024 FRG-ERG-SMRG Sponsors' Meeting are now available for sponsors download from the Knowledge Database (Doc IDs: 1784-1800)

02/02/2024
Update to FRG-ERG-SMRG Knowledge Database
Seventeen new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1784-1800)

05/08/2024
Update to FRG-ERG-SMRG Knowledge Database
Twenty-five new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1801-1825)

08/08/2024
Update to FRG-ERG-SMRG Knowledge Database
Twenty-five new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1826-1850)

10/04/2024
New publication
Yan, N., Colombera, L. and Mountney, N.P., 2024. Sediment preservation and accretion rates of fluvial meander-belt deposits: variations with temporal scale and river size. In: Finotello, A., Durkin, P. and Sylvester, Z. (Eds.), Meandering Streamflows: Patterns and Processes Across Landscapes and Scales. Geological Society, Special Publication, 540, published online. https://doi.org/10.1144/SP540-2022-142 (Doc ID: 1824)

10/06/2024
New publication
Yan, N., Colombera, L, Cosgrove, G.I.E., and Mountney, N.P., 2024. A 3D forward stratigraphic model of aeolian dune evolution for prediction of lithofacies heterogeneity. Computers and Geosciences, 187, 105595. https://doi.org/10.1016/j.cageo.2024.105594 (Doc ID: 1826)

12/06/2024
New publication

Colombera, L., Reesink, A.J.H., Duller, R.A., Jeavons, V.A. and Mountney, N.P., 2024. The thickness variability of fluvial cross-strata as a record of dune disequilibrium and palaeohydrology: A test against channel deposits. Sedimentology, 71, 590-618, https://doi.org/10.1111/sed.13147 (Doc ID: 1827)

18/06/2024
New publication
Budai, S., Willems, C.J.L., Colombera, L. and Westaway, R. 2024. Influence of sedimentary architecture on static connectivity and geothermal doublet performance (Mezobereny, SE Hungary). Marine and Petroleum Geology, 164, 106820. https://doi.org/10.1016/j.marpetgeo.2024.106820 (Doc ID: 1828)

20/06/2024
New publication
Basilici, G., Lorenzoni, P., Mesquita, Á.F., Janočko, J., Colombera, L., Cosgrove, G.I.E., Mountney, N.P., Souza Filho, C.R., Cardoso, A.R., Martinelli, A.G., Fiorelli, L.E., Vasconez Garcia, R.G., da Silva Marinho, T. and Marconato, A., 2024. Can palaeosols reveal palaeoenvironmental variability of fluvial systems? An example from the upper portion of the Bauru Group (Upper Cretaceous, SE Brazil). Sedimentary Geology, 464, 106604. https://doi.org/10.1016/j.sedgeo.2024.106604 (Doc ID: 1830)

02/07/2024
New publication
Pang, X., Wang, G., Kuang, L., Lai, J. and Mountney, N.P., 2024. Investigation of fluid types in shale oil reservoirs. Survey in Geophysics, 09845-9, https://doi.org/10.1007/s10712-024-09845-9 (Doc ID: 1831)

08/07/2024
New publication
Pang, J., Colombera, L., Mountney, N.P., Wu, S., Guo, J., Yang, K., Li, W, 2024. Mapping palaeoshorelines of river-dominated deltas in lacustrine ramp settings: Application of sedimentological analyses to the Triassic Yanchang Formation (Ordos Basin, China). Marine and Petroleum Geology, 164, 106797. https://doi.org/10.1016/j.marpetgeo.2024.106797 (Doc ID: 1832)

01/08/2024
New publication
Wang, R., Kim, Wonsuck, Colombera, L, Mountney, N.P., Lee, Y. and Lee, J., 2024. Autogenic evolution of valley-confined deltas during sea-level rise: Insights from numerical and physical modelling. Sedimentology, 71, 1389-1418. https://doi.org/10.1111/sed.13178 (Doc ID: 1833)

03/08/2024
New publication
Cosgrove, G.I.E., Colombera, L., Mountney, N.P., 2024. The Precambrian continental record: A window into early Earth environments. Precambrian Research, 402, 107286. https://doi.org/10.1016/j.precamres.2023.107286 (Doc ID: 1834)

04/08/2024
New publication
Mesquita, Á.F., Basilici, G., Cardoso, A.R., de Souza Filho, C.R., Mountney, N.P., Colombera, C., Cosgrove, G.I.E., Janočko, J. and Querubim, D.M., 2024. Architecture and dynamics of Precambrian linear megadunes: Galho do Miguel Formation, Mesoproterozoic, South-East Brazil. Precambrian Research, 411, 107533. https://doi.org/10.1016/j.precamres.2024.107533 (Doc ID: 1836)

05/08/2024
New publication
Montero, J.M., Colombera, L., Yuste, E., Yan, N. and Mountney, N.P., 2024. Assessing the impact of sedimentary heterogeneity on CO2 injection in fluvial meander-belt successions using geostatistical modelling informed by geological analogues. International Journal of Greenhouse Gas Control, 136, 104199. https://doi.org/10.1016/j.ijggc.2024.104199 (Doc ID: 1838)

06/08/2024
New publication
Acosta, D.B., Toscanini, G., Colombera, L., Amadori, C., Fantoni, R. and Giulio, A.D., 2024. Predicting the thermal regime of the Po Plain subsurface (Italy) using geostatistical modeling constrained by legacy wells. Marine and Petroleum Geology, 167, 106936.
https://doi.org/10.1016/j.marpetgeo.2024.106936 (Doc ID: 1844)

05/04/2023
Marine and River Dunes conference, Rennes, France
Reesink, A.J.H., Colombera, L., Das, D., Duller, R.A., Ganti, V., Mountney, N.P. and Parsons, D.R., 2023. What is the representative elementary volume of preserved dune deposits? Marine and River Dune Dynamics (MARID) VII Conference, 3-5 April 2023, Rennes, France. (Doc ID: 1803)

07/07/2023
International Fluvial Sedimentology Conference, Riva Del Garda, Italy
Colombera, L. and Mountney, N.P., 2023. Downstream controls on coastal-plain river avulsion frequency: quantitative analysis of the Holocene record. 12th International Conference on Fluvial Sedimentology (ICFS), 2-7 July 2023, Riva del Garda, Italy. (Doc ID: 1810)

07/07/2023
International Fluvial Sedimentology Conference, Riva Del Garda, Italy
Colombera, L., Reesink, A., Duller, R., Mountney, N.P. and Jeavons, V., 2023. Thickness variability of dune-scale cross-stratification as a record of flood peakedness: a test against recent channel deposits. 12th International Conference on Fluvial Sedimentology (ICFS), 2-7 July 2023, Riva del Garda, Italy. (Doc ID: 1811)

07/07/2023
International Fluvial Sedimentology Conference, Riva Del Garda, Italy

Campos-Soto, S., Benito, M.I., Mountney, N.P., Plink-Björklund, P., Quijada, I.E., Suarez-Gonzalez, P. and Cobos, A., 2023. Palaeoclimatic crossroads: unravelling coastal and alluvial palaeoenvironments with contradictory climatic signatures. 12th International Conference on Fluvial Sedimentology (ICFS), 2-7 July 2023, Riva del Garda, Italy. (Doc ID: 1812)

07/07/2023
International Fluvial Sedimentology Conference, Riva Del Garda, Italy
Jungang, P., Colombera, L., Mountney, N.P. and Muhammad, B., 2023. Facies architecture of distributary channels in a ramp river-dominated lacustrine deltaic succession, Triassic Yanchang Formation (Ordos Basin, China). 12th International Conference on Fluvial Sedimentology (ICFS), 2-7 July 2023, Riva del Garda, Italy. (Doc ID: 1813)

01/09/2023
SEG-AAPG IMAGE conference, Houston
Arif, J., Collier, R.E.Ll., Mountney, N.P., Gawthorpe, R.L. and Muravchik, M, 2023. High-resolution 3D outcrop-based characterization of shoreface sequence architectures on an uplifting interbasinal relay zone: the Late Pleistocene Corinth Isthmus, Greece. SEG-AAPG International Meeting for Applied Geoscience and Energy (IMAGE), 28 Aug to 1 Sept 2023, Houston, TX, USA. (Doc ID: 1808)

03/11/2023
FAIRPLAY conference, Noordwijk, The Netherlands
Yan, N., Colombera, L., Mountney, N.P. and Cosgrove, G.I.E., 2024. A modelling tool for predicting 3D sedimentary architecture of aeolian-fluvial interactions in extra-terrestrial settings. European Space Agency: Fluvial aeolian interactions on planetary surfaces (FAIRPLAY) workshop, 1-3 November 2023, European Space Research and Technology Centre (ESTEC), Noordwijk, The Netherlands. (Doc ID: 1814)

03/11/2023
FAIRPLAY conference, Noordwijk, The Netherlands
Cosgrove, G.I.E., Mountney, N.P., Colombera, L., Basilici, G., Mesquita, Á.F., Soares, M. and Yan, N., 2024. The Precambrian aeolian sedimentary record: an analogue for extra-terrestrial bodies? European Space Agency: Fluvial aeolian interactions on planetary surfaces (FAIRPLAY) workshop, 1-3 November 2023, European Space Research and Technology Centre (ESTEC), Noordwijk, The Netherlands. (Doc ID: 1815)

30/11/2023
GeothermiX conference, Pisa, Italy
Medici, G., West, L.J. and Mountney, N.P., 2023. Characterization of a fluvial aquifer at a range of depths and scales: the Triassic St Bees Sandstone Formation, Cumbria, UK. GeothermiX Conference, 29-30 November 2023, Università di Pisa, Italy. (Doc ID: 1802)

19/06/2024
Geoconvention, Calgary

Arif, J., Collier, R.E.Ll., Mountney, N.P., Gawthorpe, R.L. and Muravchik, M, 2024. High-resolution Three-Dimensional outcrop-based characterization of shoreface sequence architectures on an uplifting interbasinal relay zone: the Late Pleistocene Corinth Rift, Greece. Geoconvention, 17-19 June 2024, Calgary Canada. (Doc ID: 1818)

27/06/2024
IAS International Meeting of Sedimentology, Aberdeen
Basilici, G., Lorenzonic, P., Mesquita, A.F., Janocko, J., Colombera, L., Cosgrove, G.I.E., Mountney, N.P., Filhoa, C.R.S., Cardosoa, A.R., Garcia, R.G.V., 2024. Can palaeosols reveal palaeoenvironmental variability of fluvial systems? A case study from the Upper Cretaceous, upper Bauru Group, SE Brazil. IAS International Meeting of Sedimentology, 25-27 June 2024, Aberdeen, Scotland. (Doc ID: 1819)

27/06/2024
IAS International Meeting of Sedimentology, Aberdeen
Chen, S., McArthur, A.D., Colombera, L. and Mountney, N.P., 2024. Mechanisms of sediment transport and deposition across a coastal plain, to marine shelf, to slope and basin-floor: outcrop analysis of a Carboniferous succession, northern England. IAS International Meeting of Sedimentology, 25-27 June 2024, Aberdeen, Scotland. (Doc ID: 1820)

27/06/2024
IAS International Meeting of Sedimentology, Aberdeen
Gou, Q., Chen, S., McArthur, A.D. and Mountney, N.P., 2024. Genesis and Tectonic Evolution of Arc Faults in Qingxi Area of Dongying Depression. IAS International Meeting of Sedimentology, 25-27 June 2024, Aberdeen, Scotland. (Doc ID: 1821)

12/08/2024
FRG-ERG-SMRG newsletter 49 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG-SMRG research initiatives in our latest newsletter, which can be found on the FRG-ERG-SMRG website sponsors' pages (keyword: newsletter 49 – August 2024; Doc ID 1851).

26/09/2024
Update to FRG-ERG-SMRG Knowledge Database
Ten new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1851-1860)

02/10/2024
AAPG ICE, Muscat Oman
Al Bahri, Sharif, Baker, D., Mountney, N.P., Collier, R., McArthur, A. and Fisher, Q., 2024. A new stratigraphic framework and correlation scheme for the Lower Shuaiba Formation, Block 60, Central Oman. AAPG ICE, 30 September to 2 October 2024, Muscat Oman, (Doc ID 1860)

07/11/2024

EAGE Geothermal Energy Conference, Rotterdam
Aghaei, H., Colombera, L., Yan, N., Mountney, N.P., Bernagozzi, G. and Di Giulio, A., 2024. Influence of meander-belt sedimentary architecture on performance of low-enthalpy geothermal doublet: insights from high-resolution heat-transport simulations. European Association of Geoscientists and Engineers (EAGE) Geothermal Energy (GET) Conference, 4-7 November 2024, Rotterdam, The Netherlands. (Doc ID: 1817)

01/11/2024
Welcome to Qing He: PhD student
Welcome to Qing He, who is undertaking research alongside members of FRG-ERG-SMRG at Leeds. Qing's project is researching Depositional architecture and evolution of Cambrian carbonate platforms. Qing is from Peking University, China.

02/12/2024
Welcome to Hang Cui: PhD student
Welcome to Hang Cui, who is undertaking research alongside members of FRG-ERG-SMRG at Leeds. Hang's project is undertaking a source-to-sink and provenance analysis of Jurassic sandstone depositional systems of the Tarim Basin, China. Hang is from College of Geosciences, China University of Petroleum, Beijing. Hang is funded by a CSC scholarship.

15/12/2024
New publication
Yan, N., Colombera, L. and Mountney, N.P., 2024. Sediment preservation and accretion rates of fluvial meander-belt deposits: variations with temporal scale and river size. In: Finotello, A., Durkin, P. and Sylvester, Z. (Eds.), Meandering Streamflows: Patterns and Processes Across Landscapes and Scales. Geological Society, Special Publication, 540, 125-143. https://doi.org/10.1144/SP540-2022-142 (Doc ID: 1861)

18/12/2024
BSRG Conference, Leeds
Chen, S., McArthur, A.D., Mountney, N.P. and Colombera, L., 2024. Mechanisms of sediment transport and deposition across a coastal plain to submarine slope: outcrop analysis of a Carboniferous succession, northern England. British Sedimentological Research Group Annual Meeting, 16-18 December 2024, Leeds, UK. (Doc ID: 1862)

18/12/2024
BSRG Conference, Leeds
Gou, Q., Chen, S., McArthur, A.D. and Mountney, N.P., 2024. Quantitative analysis of kinematic properties of fault zones, Jiyang Depression, NE China. British Sedimentological Research Group Annual Meeting, 16-18 December 2024, Leeds, UK. (Doc ID: 1863)

18/12/2024
BSRG Conference, Leeds

Yan, N., Colombera, L, Mountney, N.P. and Cosgrove, G.I.E., 2024. A forward stratigraphic modelling tool for predicting 3D lithofacies architecture of aeolian and fluvial successions: implications for modelling geothermal reservoirs and carbon capture and storage. British Sedimentological Research Group Annual Meeting, 16-18 December 2024, Leeds, UK. (Doc ID: 1864)

18/12/2024
BSRG Conference, Leeds
Cui, H., Mountney, N.P., McArthur, A.D., Zhu, S., 2024. Origin and depositional processes of volcanic matrix-rich sandstones in the Shanxi and Shihezi Formations, Ordos Basin, China: Implication for volcano-sedimentary systems. British Sedimentological Research Group Annual Meeting, 16-18 December 2024, Leeds, UK. (Doc ID: 1865)

18/12/2024
BSRG Conference, Leeds
Humphries, J.P., Mountney, N.P., McArthur, A.D., Scott, S.A.R. Yan, N., Cosgrove, G.I.E., Colombera, L. and Manville, V., 2024. Characterisation of lithological heterogeneity in mixed fluvial-aeolian successions of the Triassic Sherwood Sandstone Group, NW England: implications for carbon capture, utilisation and storage. British Sedimentological Research Group Annual Meeting, 16-18 December 2024, Leeds, UK. (Doc ID: 1866)

18/12/2024
BSRG Conference, Leeds
Scott, S.A.R., Mountney, N.P., McArthur, A.D., Humphries, J.P., Yan, N., Cosgrove, G.I.E. and Colombera, L., 2024. Quantitative characterisation of the Triassic Sherwood Sandstone Group: Suitability for long-term carbon capture and underground storage, Cheshire, United Kingdom. British Sedimentological Research Group Annual Meeting, 16-18 December 2024, Leeds, UK. (Doc ID: 1867)

01/01/2025
New publication
He, Q. Shi, K., Ma, Y., Liu, B., Han, J., Li, J., Bai, X., Wu, C., McArthur, A.D. and Mountney, N.P., 2025. Evolution of rimmed carbonate platform architecture controlled by sea-level change: insights from the Lower-Middle Cambrian of the Northern Tarim Basin, China. Geological Society of America Bulletin, 107215. https://doi.org/10.1016/j.marpetgeo.2024.107215 (Doc ID: 1868)

02/01/2025
Welcome back to Na Yan
Welcome back to Na Yan, who has returned to work full time within FRG-ERG-SMRG, following a 9-month secondment lecturing in the School of Geography at Leeds. Na is leading development of our DASH and PB-SAND numerical stratigraphic modelling software.

15/01/2025
New publication

Ye, L., Zhu, X., Mountney, N.P., Xie, S., Zhang, R. and Colombera, L., 2025. The Sedimentary Characteristics and Resource Potential of a Lacustrine Shallow-Water Delta on a Hanging-Wall Ramp in a Rift Basin: A Case Study from the Paleogene of the Raoyang Sag, Bohai Bay Basin, China. Sustainability, 17, 208. https://doi.org/10.3390/su17010208 (Doc ID: 1870)

10/02/2025
New publication
Bosi, E., Colombera, L., Mountney, N.P., Bertoni, D., Sarti, G. and Amorosi, A., 2024. Sedimentary controls on arsenic distribution in meander-belt deposits of the Po Valley (Italy), Science of the Total Environment, 965, 178627. https://doi.org/10.1016/j.scitotenv.2025.178627 (Doc ID: 1871)

11/02/2025
FRG-ERG-SMRG Sponsors' Meeting presentations
Presentations from the January 2025 FRG-ERG-SMRG Sponsors' Meeting are now available for sponsors download from the Knowledge Database (Doc IDs: 1872-1884)

12/02/2025
New publication
Aghaei, H., Colombera, L., Yan, N., Mountney, N.P., Bernagozzi, G. and Di Giulio, A., 2025. Impact of fluvial meander-belt sedimentary geothermal doublets: heat-transport simulations of forward stratigraphic models. Geoenergy, published online. 2024-024. https://doi.org/10.1144/geoenergy2024-024 (Doc ID: 1886)

13/02/2025
Welcome to Abrar Alboloushi: new PhD student
Welcome to Abrar, who has commenced her PhD research degree at Leeds as a member of the Basin Structure Group (BSG), FRG-ERG-SMRG and TRG. Abrar is investigating the implications of diagenetic complexity for carbon capture and storage in carbonate reservoirs. Abrar is funded by a scholarship from the Kuwait Petroleum Corporation.

14/02/2025
New publication
Yu, X., Wang, C, Bertolini, G, Mountney, N.P. and You, C., 2025. Late Cretaceous glaciations in a hyper-arid plateau desert of the South China Coastal Mountains. Geological Society of America Bulletin, published online. https://doi.org/10.1130/B37683.1 (Doc ID: 1887)

15/02/2025
Forthcoming publication
Cosgrove, G.I.E., Al-Masrahy, M., Alkathery, M., Colombera, L., Mountney, N.P., and Thompson, D.B., 2024. Quantitative Sedimentological Analysis of the Aeolian-Fluvial Triassic Sherwood Sandstone Group, Cheshire Basin, UK. Sedimentology, in press. (Doc ID: 1888)

16/02/2025

Update to FRG-ERG-SMRG Knowledge Database
Thirty-five new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1861-1995)

17/02/2025
FRG-ERG-SMRG newsletter 50 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG-SMRG research initiatives in our latest newsletter, which can be found on the FRG-ERG-SMRG website sponsors' pages (keyword: newsletter 50 – Feb 2025; Doc ID 1895).

03/03/2025
FRG-ERG-SMRG Phase 6 Progress Report 16
An interim progress report relating to the FRG-ERG-SMRG Phase 6 is now available for sponsors to download from the website's private pages. This document provides a succinct summary of our recent, ongoing and forthcoming activities (Doc ID: 1873. Keyword: progress report 16 – January 2025).

13/03/2025
Welcome to Xiaojie Wei: academic visitor
Welcome to Xiaojie, who is visiting the Sedimentary Processes Research Cluter at the University of Leeds for 12 months. Xiaojie is working with Adam McArthur and Nigel Mountney, and with colleagues in TRG and FRG-ERG-SMRG. Xiaojie is investigating controls on source-to-sink sediment distribution. Xiaojie is Associate Researcher at the Institute of Geomechanics, Chinese Academy of Geological Sciences.

15/04/2025
New publication
Cosgrove, G.I.E., Al-Masrahy, M., Alkathery, M., Colombera, L., Mountney, N.P., and Thompson, D.B., 2024. Quantitative Sedimentological Analysis of the Aeolian-Fluvial Triassic Sherwood Sandstone Group, Cheshire Basin, UK. Sedimentology, https://doi.org/10.1111/sed.70000. (Doc ID: 1898)

08/06/2025
GeosolutionsLeeds Showcase conference
Members of FRG-ERG-SMRG made 5 presentations at the GeosolutionsLeeds Showcase conference held on 6th June 2025. (Doc IDs: 1912-1916). These documents can also be found by searching for keyword "conference 2025 01 - GeosolutionsLeeds Showcase"

16/06/2025
Update to FRG-ERG-SMRG Knowledge Database
Two new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1896-1897). These documents are guidebooks for the forthcoming FRG-ERG-SMRG Sponsors' field training course.

25/06/2025
Update to FRG-ERG-SMRG Knowledge Database
Twenty-one new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1898-1918)

26/06/2025
Update to FRG-ERG-SMRG Knowledge Database
Thirteen new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1919-1931). These documents are the presentations made at the June 2025 FRG-ERG-SMRG Sponsors' meeting held on 19th June.

27/06/2025
FRG-ERG-SMRG Sponsors' Meeting presentations
Presentations from the June 2025 FRG-ERG-SMRG Sponsors' Field Training Course and Meeting are now available for sponsors download from the Knowledge Database (Doc IDs: 1897-1898 and 1919-1931). These documents can also be found by searching for keyword "sponsor meeting 2025 02 - Leeds"

28/06/2025
FRG-ERG-SMRG Phase 6 Progress Report 17
An interim progress report relating to the FRG-ERG-SMRG Phase 6 is now available for sponsors to download from the website's private pages. This document provides a succinct summary of our recent, ongoing and forthcoming activities (Doc ID: 1920. Keyword: progress report 17 – June 2025).

Papers
02/09/2025
New publication
Qing He, Kaibo Shi, Yongsheng Ma, Bo Liu, Jun Han, Jun Li, Xiangyu Bai, Chun Wu, Adam D McArthur, Nigel P Mountney, 2025. Evolution of rimmed carbonate platform architecture controlled by sea-level change: Insights from the Lower-Middle Cambrian of the Northern Tarim Basin, China. Marine and Petroleum Geology, 171, 107215, https://doi.org/10.1016/j.marpetgeo.2024.107215 (Doc ID: 1868)

06/09/2025
New publication
Hamed Aghaei, Luca Colombera, Na Yan, Nigel P Mountney, Andrea Di Giulio, 2025. Dependency of Heat Transport on Sedimentary Heterogeneity in Low-Enthalpy Geothermal Reservoirs: The Roles of Hierarchy and Resolution. European Geothermal Congress 2025, 6-10 October 2025, Zurich Switzerland (Doc ID: 1904)

20/09/2025
New publication

Elisabetta Bosi, Luca Colombera, Nigel P Mountney, Duccio Bertoni, Giovanni Sarti, Alessandro Amorosi, 2025. Sedimentary controls on arsenic distribution in meander-belt deposits of the Po Valley, Italy. Science of The Total Environment, 965, 178627, https://doi.org/10.1016/j.scitotenv.2025.178627 (Doc ID: 1871)

30/10/2025
New publication
Qing He, Kaibo Shi, Bo Liu, Chun Wu, Adam D. McArthur, Nigel P. Mountney, 2025. Stratigraphic evolution of Stage-3 clinoforms from northern Tarim Basin: Evaluating controlling factors on a distal steepening carbonate ramp growth and shallow-water sedimentation. EGU General Assembly 2025, Vienna, Austria, 27 Apr–2 May 2025, EGU25-20201, https://doi.org/10.5194/egusphere-egu25-20201

15/11/2025
New publication
Xiaocan Yu, Chunlian Wang, Gabriel Bertolini, Nigel P Mountney, Chao You, 2025. Late Cretaceous glaciations in a hyper-arid plateau desert of the South China Coastal Mountains. Geological Society of America Bulletin, 137, 1891–1908, https://doi.org/10.1130/B37683.1 (Doc ID: 1887)

30/11/2025
New publication
Grace IE Cosgrove, Mahmud Alkathery, Mohammed Al-Masrahy, Luca Colombera, Nigel P Mountney, David B Thompson, 2025. Quantitative sedimentological analysis of the aeolian–fluvial Triassic Sherwood Sandstone Group, Cheshire Basin, UK. Sedimentology, 72, 1233-1274, https://doi.org/10.1111/sed.70000 (Doc ID: 1898)

04/12/2025
New publication
Xiaocan Yu, Chunlian Wang, Gabriel Bertolini, Claiton Marlon dos Santos Scherer, Adriano Domingos dos Reis, Nigel P Mountney, 2025. Aeolian–fluvial interactions within a fault-controlled basin: Late Cretaceous Chaling Basin, South China. Sedimentary Geology, 486, 106926, https://doi.org/10.1016/j.sedgeo.2025.106926 (Doc ID: 1953)

12/02/2026
New publication
Qiwei Gou, Shuping Chen, Yifan Du, Adam D McArthur, Nigel P Mountney, Haowei Yuan, Xi Li, Huaibo Zhao, 2025. A new model for quantitative analysis of kinematic properties of faults: Examples from the Jiyang Depression, NE China. Journal of Asian Earth Sciences, 295, 106829, https://doi.org/10.1016/j.jseaes.2025.106829 (Doc ID: 1959)

23/03/2026
New publication
Hamed Aghaei, Luca Colombera, Na Yan, Nigel P Mountney, Odd Andersen, Andrea Di Giulio, 2026. Capturing scales of heterogeneity in models of fluvial

geothermal reservoirs: Grid resolution, upscaling strategies, and hierarchies of sedimentary architecture. Advances in Water Research, 209, 105217, https://doi.org/ 10.1016/j.advwatres.2026.105217 (Doc ID: 1962)

02/04/2026
New publication
Sheng Chen, Adam D McArthur, Luca Colombera, Nigel P Mountney, 2026. Sedimentation across a coastal plain to deep-water system: Insights from a Carboniferous succession, northern England. Sedimentary Geology, 496, 107044, https://doi.org/10.1016/j.sedgeo.2026.107044 (Doc ID: 1961)

03/04/2026
New publication
Luca Colombera, Soma Budai, Nigel P Mountney, 2026. A machine-learning approach for classifying fluvial sandbody types from vertical facies sequences using geological analogues. Sedimentary Geology, 495, 107047, https://doi.org/10.1016/j.sedgeo.2026.107047 (Doc ID: 1976)

04/04/2026
New publication
Hang Cui, Shifa Zhu, Nigel P Mountney, Adam McArthur, Jianzhou Tang, Yao Dong, Yihu Suo, Huan Tong, Xianzhang Yang, 2026. Tectonic evolution records closure of the Western Kunlun–Pamir Paleo-Tethys Realm: Insights from provenance analyses of Jurassic siliciclastic strata. Geological Society of America Bulletin, 138, 1011–1036, https://doi.org/10.1130/B38091.1 (Doc ID: 1949)

24/04/2026
New publication
Na Yan, Luca Colombera, Nigel Mountney, Grace Cosgrove, 2026.Linking Dune Dynamics to Facies Heterogeneity in Preserved Aeolian Systems. EGU General Assembly 2025, Vienna, Austria, 3 May–8 May 2026, EGU26-6041, https://doi.org/10.5194/egusphere-egu26-6041

02/07/2026
New publication
Qing He, Bo Liu, Kaibo Shi, Nigel P Mountney, Adam D McArthur, Zongjie Li, Chun Wu, Jun Li, Jiaming Deng, Xichuan Men, 2026. Sequence-stratigraphic evolution and controlling factors of Lower Cambrian carbonate clinoforms on a distally steepening ramp, Tarim Basin, China. Marine Geoscience and Energy Resources, 192, 207789, https://doi.org/10.1016/j.marger.2026.207789 (Doc ID: 1975)

04/07/2026
New publication
Rossano DL Michel, Claiton Scherer, Nigel P Mountney, Adam D McArthur, Adriano D Reis, Jairo F Savian, Carrel Kifumbi, Na Yan, Ronaldo P Cechetti, Luca Colombera, 2026. Triassic aeolian megadune field reveals paleo-monsoon wind directions for low-latitude Gondwana. Nature Communications

in Earth and Environment, https://doi.org/10.1038/s43247-026-03697-4 (Doc ID: 1986)

05/07/2026
New publication
Qing He, Yong-Sheng Ma, Bo Liu, Kai-Bo Shi, Nigel P. Mountney, Adam D. McArthur, Yuan-Chong Wang, Xi-Chuan Men, Jun Li, Jia-Ming Deng, 2026. Multiple dolomitization and dedolomitization of Middle Cambrian carbonates in the northern Tarim Basin, China: Constraints from geochemistry, fluid inclusions and U–Pb dating, Petroleum Science, https://doi.org/10.1016/j.petsci.2026.07.027 (Doc ID: 1965)

06/07/2026
New publication
Colombera, L., Budai, S. and Mountney, N.P., 2026. Automating interpretations of fluvial facies sequences: machine-learning models based on geologic analogs. In: Weislogel, A. and Tomlinson, M. (Eds.), Defining the Critical Role and Impact of Sedimentology in a Sustainable Future. SEPM International Sedimentary Geosciences Congress, 26, https://doi.org/10.2110/sepmmisc.26.011 (Doc ID: TBC)

12/07/2026
New publication
Aghaei, H., Colombera, L., Yan, N., Mountney, N.P., Andersen, O. and Di Giulio, A., 2026. Dependency of heat transport on sedimentary heterogeneity: impacts of hierarchy, resolution and upscaling methods in fluvial low-enthalpy geothermal reservoirs. In: Weislogel, A. and Tomlinson, M. (Eds.), Defining the Critical Role and Impact of Sedimentology in a Sustainable Future. SEPM International Sedimentary Geosciences Congress, 26, https://doi.org/10.2110/sepmmisc.26.012 (Doc ID: 1951)

10/08/2026
New publication
Nigel P. Mountney, Grace I.E. Cosgrove, Luca Colombera, 2026. Aeolian Environments. In: Level, B (Ed.) Reading's Sedimentary Environments, fourth edition, Wiley, 1392 pages, ISBN: 978-1-119-73985-2 (Doc ID: 1892 – a self-learning guide based on an extended version of the book chapter)

Welcome
01/10/2025
Welcome to Laura Simoncelli: new PhD student
Welcome to Laura, who has commenced her PhD research at Pavia. Laura is working on development of novel sequence stratigraphic models for icehouse fluvial systems developed in foreland basin settings.

01/10/2025
Welcome to Rossano Michel: new visiting research colleague
Welcome to Rossano, who has commenced a six-month research visit to FRG-ERG-SMRG at Leeds. Rossano is working on the CCUS potential

Triassic aeolian successions preserved beneath an extensive flood basalt province in Brazil.

01/05/2026
Welcome to Skikang An: new research colleague
Welcome to Skikang, who is working with colleagues in FRG-ERG-SMRG. Shikang is based at State Key Laboratory of Estuarine and Coastal Research, East China Normal University, China. Shikang is working on models for the prediction of the geomorphic and stratigraphic response of deltas to rapid step-like episodes of sea-level rise.

01/08/2026
Welcome to Jiarui Zhang: new research colleague
Welcome to Jiarui, who is working with colleagues in FRG-ERG-SMRG. Jiarui is based at China University of Pet., Beijing and will come to Leeds as a visiting researcher in 2027. Jiarui is working on improved understanding of the sedimentary evolution of alluvial and fluvial fan-delta systems for prediction of reservoir heterogeneity.

01/09/2026
Welcome to Ali Al Ibraheem: new postgraduate researcher
Welcome to Ali, who has commenced his research degree at Leeds. Ali is working on modelling the sedimentary architecture of fluvial and aeolian systems and their preserved successions at multiple spatial and temporal scales.

Congratulations
14/08/2026
Congratulations to Junaid Arif
Congratulations to Junaid who has successfully defended his PhD thesis at his viva voce examination at the University of Leeds (Doc ID: TBC).

Junaid’s thesis is entitled “High-resolution sequence stratigraphic architecture of beach-shoreface deposits on a rift basin interbasinal high, Corinth Isthmus, Greece”.

23/11/2025
Congratulations to Hang Cui
Congratulations to Hang who has successfully defended his PhD thesis at his viva voce examination at the College of Geosciences, China University of Pet., Beijing.

14/02/2026
Congratulations to Sam Scott
Congratulations to Sam who has successfully defended his Masters by Research thesis at his viva voce examination at the University of Leeds (Doc ID: TBC).

Sam’s thesis is entitled “Quantitative characterisation of the Triassic Sherwood Sandstone Group, suitability for long-term carbon capture and underground storage, Cheshire, United Kingdom”.

26/05/2026
Congratulations to Qing He
Congratulations to Qing who has successfully defended his PhD thesis at his viva voce examination at the School of Earth and Space Sciences, Peking University.

Phase 7
04/06/2026
FRG-ERG-SMRG Phase 7 (Jan 2027- Dec 2029)
We are pleased to announcement plans for FRG-ERG-SMRG Phase 7, which will run from January 2027 to December 2029.
https://frg.leeds.ac.uk/pdfs/FRG-ERG-SMRG-Phase-7-2027-29-announcement.pdf

At this time we invite initial expressions of interest from existing and new potential sponsor companies. For details of the planned research and knowledge-transfer programme, and of membership costs, please contact Dr Luca Colombera (luca.colombera@unipv.it) or Prof. Nigel Mountney (n.p.mountney@leeds.ac.uk).

Grant projects
01/03/2025
Research funding success
Na Yan, Nigel Mountney, Adam McArthur and Luca Colombera have been awarded funding from Geosolutions Leeds for a two-year project entitled “3D quantitative subsurface characterisation for carbon capture and storage using cutting-edge numerical modelling approaches”. The award will provide funding for salary and research costs for Na Yan as project lead for two years from March 2026 to February 2027.

01/05/2026
Research funding success
Na Yan has been awarded funding from the UK Carbon Capture and Storage research Community (UKCCSRC) for a project entitled “Four-dimensional numerical modelling to predict facies heterogeneity and brine migration pathways for CCS risk assessment around legacy wells in the UK North Sea”. Na Yan will lead the numerical modelling work in Q2 and Q3 of 2026. Nigel Mountney and Luca Colombera co-investigators on the project.

20/08/2026
Research funding success
FRG-ERG-SMRG Research Fellow Na Yan has teamed up with Dr Yuzhuo Tang and Prof Tim Cockerill (both in the School of Mechanical Engineering at Leeds) to work on an impact development project entitled “Subsurface storage of biochar as a durable carbon removal pathway in the UK”. This impact

development project has been funded by Geosolutions Leeds and will run from 1st September 2026 to 31st January 2027.

01/01/2025
ENI have joined the FRG-ERG-SMRG Phase 6 consortium
ENI have joined the FRG-ERG-SMRG Phase 6 consortium. Welcome on-board!

01/08/2025
Murphy have joined the FRG-ERG-SMRG Phase 6 consortium
Murphy have joined the FRG-ERG-SMRG Phase 6 consortium. Welcome on-board!

Sponsors' meetings
22/01/2026
FRG-ERG-SMRG Sponsors' Meeting presentations
Presentations from the January 2026 FRG-ERG-SMRG Sponsors' Meeting are now available for sponsors download from the Knowledge Database (Doc IDs: 1932-1944). These documents can also be found by searching for keyword "sponsor meeting 2026 01 – virtual"

16/09/2026
Forthcoming sponsors' meeting: 16th September 2026
On 16th September 2026, we will run an online Sponsors' meeting to provide an update of research and knowledge-transfer activities undertaken so far in 2026. Contact Luca Colombera (luca.colombera@unipv.it) to request the meeting details and joining instructions.

Updates to knowledge base
22/01/2026
Update to FRG-ERG-SMRG Knowledge Database
Thirteen new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1932-1944).

19/06/2026
Update to FRG-ERG-SMRG Knowledge Database
Twenty new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1945-1964).

22/06/2026
Update to FRG-ERG-SMRG Knowledge Database
Seven new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1965-1971).

11/08/2026
Update to FRG-ERG-SMRG Knowledge Database
Thirteen new research documents have been added to the FRG-ERG-SMRG Knowledge Database for access by group sponsors (Doc IDs: 1972-1986).

20/02/2026

FRG-ERG-SMRG Phase 6 Progress Report 18
An interim progress report relating to the FRG-ERG-SMRG Phase 6 is now available for sponsors to download from the website's private pages. This document provides a succinct summary of our recent, ongoing and forthcoming activities (Doc ID: 1932. Keyword: progress report 18 – Jan 2026).

Geosolutions
29/09/2026
Geosolutions Showcase
Geosolutions at Leeds will be holding a showcase event for sponsors and partners on 29th September 2026. At this showcase event, members of FRG-ERG-SMRG will present an overview of the group's research and knowledge transfer activities. Contact Geosolutions coordinators Maria Radeva (M.Radeva@leeds.ac.uk) and Tom Lynch (T.O.Lynch@leeds.ac.uk) at Leeds to request the meeting details and joining instructions.

31/08/2026
FRG-ERG-SMRG newsletter 51 now online (extended format)
Keep up-to-date with a summary of recent FRG-ERG-SMRG research initiatives in our latest newsletter, which can be found on the FRG-ERG-SMRG website sponsors' pages (keyword: newsletter 51 – August 2026; Doc ID 1987).