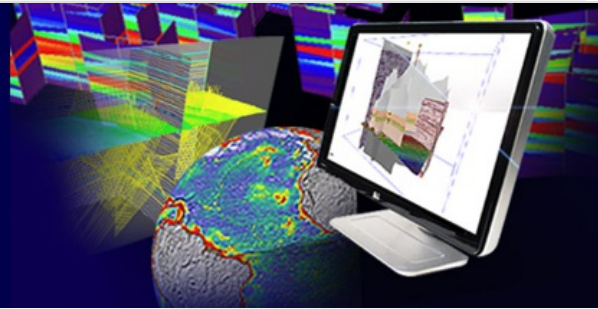




Badley Geoscience News Issue 75, September 2015



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EAGE Fault & Top Seals, Sep 20 - 24

Badleys are an event sponsor and our Technical Director Graham Yielding is a convener. We will have a demo point in the break-out room so please drop by for a look at present and future developments in T7. If you would like to schedule a demo of a particular aspect of the software please [contact us](#). In addition, Badleys will present in the technical programme.

Pete Bretan:

An Innovative Approach for the Prediction of Column Heights in Multi-fault Traps Using Deterministic Fault Seal Analysis. *Monday 09:40*

Graham Yielding, C. Consoli (Global CCS Institute) & **P. Boulton** (Santos):
Fault-seal Risk Analysis for CO2 Storage in the Petrel Sub-basin, NW Australia. *Monday 16:45*

Emma Michie, Q. J. Fisher (Leeds University), **G. Yielding:**
Using field and lab data to improve the simulation of faulted carbonate reservoirs. *Wednesday 12:20*

Pete Bretan, B. O'Sullivan & A. Key (E.ON), **G. Yielding:**
Significance of Fault Seal in Assessing Prospect Fill Scenarios - A Case Study from the Southern North Sea. *Wednesday 14:30*

Amy Clarke, J. Imber, R. Davies, J. van Hunen & S. Daniels (Durham University), **A. Heafford** (IHS), **G. Yielding:**
Structural modelling and history matching to understand aquifer behaviour in the Hewett Field, UK Southern North Sea. *Wednesday 16:25*

Visit the conference [website](#) for more info.



MM4 Partners Meeting & Workshop, Sep 20 - 26

The workshop will take place in the Swiss Alps (staying in Pontresina near St Moritz) and will combine field excursions examining the Tethyan rifted continental margin geology, presentations of MM4 team research progress and interpretation and discussion of ION rifted margin deep seismic reflection data. If you would like to know more about the MM (Margin Modelling) partnership please [contact us](#).

8th Petroleum Geology of NW Europe, Sep 28 - 30

Organised jointly by the Geological Society of London, the Petroleum Exploration Society of Great Britain (PESGB) and the Energy Institute (EI) and held at the QEII centre Westminster. Visit the conference [website](#) for more info. Badleys will contribute to the technical programme.

Nick Kuszniir, A. Roberts & A. Alvey (Badleys), **R. Whittaker** (GeoArctic), **K. Stofova & P. Shannon** (UCD, Ireland):
Ocean-Continent-Transition Structure of the Conjugate Ireland and Newfoundland Rifted Margins. *Tuesday 10:25* (Session: New plays)

Dave Quinn, B. Freeman, C. Dillon (Badleys), **M. Amhild** (Maersk), **B. Jaarsma** (EBN):
Predicting sub-seismic fracture density, orientation and conductivity in the Gorm Field, Danish North Sea. *Tuesday 12:00* (Session: Key geoscience challenges)

IN THIS ISSUE

- Many upcoming conferences, exhibitions and workshops.
- T7 New Features
- OCTek Mediterranean Announced
- OCTek Seismic: Westralia now available

BADLEYS CALENDAR

Fault & Top Seals 2015
20 - 24 September
Almeria
Spain

Badleys are an event sponsor, will exhibit and present at this conference. More details this new sletter.

Registration is still open.
Visit the conference [website](#) for more info.

8th Petroleum Geology of NW Europe
28 - 30 September
London
UK

Organised jointly by the Geological Society of London, the Petroleum Exploration Society of Great Britain (PESGB) and the Energy Institute (EI) and held at the QEII centre Westminster. Badleys will present at the conference, see this new sletter for further details.
Visit the conference [website](#) for more info.

Petroleum Geology of the Black Sea
6 - 7 October
London
UK

Badleys will present at the meeting, see this new sletter or visit the [SEG website](#) for further details.

Registration is open.

SEG New Orleans 2015
18 - 22 October
New Orleans
USA

Badleys will have a central location in the exhibition hall at booth 2211. Mbre details to follow in our October new sletter.
Visit the [SEG website](#) for more info.

The Geology of Geomechanics
28 - 29 October
London
UK

Badleys will sponsor this event held at the Geology Society of London's Burlington House. Technical Director Brett Freeman will present.
Visit the [conference website](#) for more info.

Petroleum Geology of the Black Sea, Oct 6 - 7

Nick Kuszniir will present a paper at the meeting based on work completed at Badleys during the **OCTek Seismic** project. For more information please visit our [website](#) and see the last item in this newsletter.

Nick Kuszniir, Leanne Cowie & Alan Roberts (Badleys), Paul Bellingham, Rod Graham & Nuri Kaymakci (ION Geophysical/GX Technologies):

Black Sea Crustal Structure and Crustal Type from Integrated Quantitative Analysis of ION-GXT Deep Seismic and Gravity Anomaly Data. *Tuesday, 10.35*

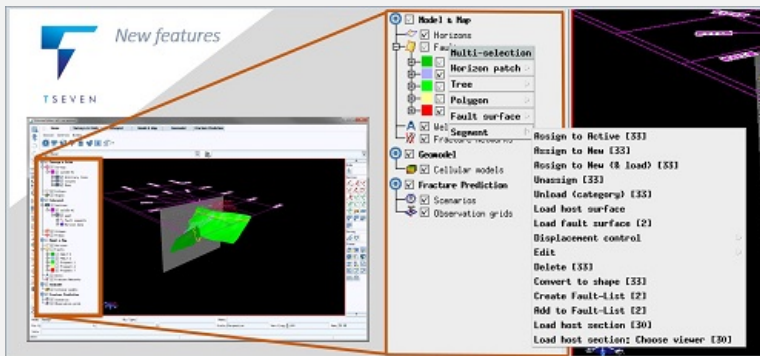
T7 New Features

Coming soon to T7 is the Volume Editor "Object Tree". This provides a new method for loading, viewing and managing Volume Editor viewer objects:

- Viewer objects are shown hierarchically in a "Database Explorer" like tree.
- Entire hierarchies of objects may be hidden or shown in the viewer by toggling checkboxes next to each tree node
- Right click a tree node to show the Vol Ed menu for the node and all children.
- Double click a node to display the object "Properties" dialog, or for category nodes, the relevant "Data Manager" dialog.

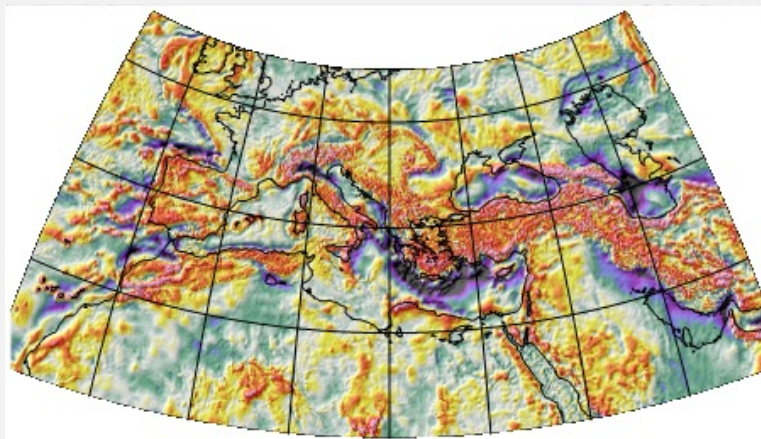
Together with our intelligent object toolbar (to the right of the Volume Editor) the user is able to work within a single screen for the majority of tasks and we hope it will offer enhanced, intuitive usability for new and existing users.

Keep an eye out for our October Newsletter for a comprehensive feature on our exciting new developments in T7...



OCTek Mediterranean Project Announced

Badleys are pleased to announce that work has begun on the 7th OCTek report - **OCTek-Mediterranean**. This will cover the entire Mediterranean region as well as the Black Sea and Caspian Sea, and completes the global coverage of OCTek reports; Atlantic, Asia-Pacific, Indian Ocean, Arctic & N. Atlantic, Australasia & Gulf of Mexico. If you would like information on any of the OCTek reports or to be kept up-to date on the progress of OCTek-Mediterranean, please [contact us](#).



OCTek Seismic - Westralia now available

GSA Baltimore

1 - 4 November

Maryland

USA

Alex Lapadat will present a poster in which the capability of Badleys software is demonstrated.

"Occurrence and Development of Normal Fault-Related Folds within a Heterogeneous Sedimentary Sequence: A Case Study from Inner Moray Firth, offshore Scotland"

Session No. 46, 1 Nov, Booth# 416 (poster).

Please drop by to speak to Alex about his research.

Visit the [conference website](#) for more info.

RIFTS III

22 - 24 March 2016

London

UK

Badleys will sponsor this event, to be held at the Geology Society of London's Burlington House. The objectives of the conference are to challenge paradigms and consider the applicability of new ideas to the latest sub-surface datasets. Contrasting and contradictory models have emerged in the last 5 years from both industry and academia regarding the evolution of rifted margins.

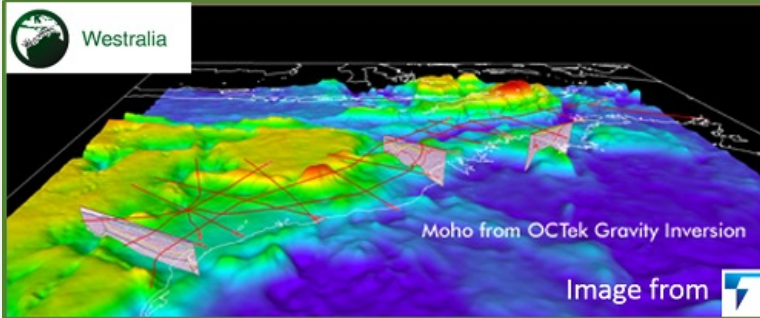
Call for abstracts has been extended to September 30.

Visit the [conference website](#) for more info.

Badleys announce the availability of our second OCTek Seismic project - **Westralia**, performed in collaboration with **ION Geophysical**.



The **OCTek Seismic** project aims to investigate the structure and tectonics of deepwater rifted margins by applying quantitative geodynamic analysis to interpretations of **ION BasinSPAN** seismic data. ION Geophysical have provided the seismic data and the interpretations for the project. Badleys have performed the geodynamic analysis. For information about the quantitative analytical techniques applied by **OCTek Seismic** please visit our [website](#).



If you would like to know more about either project then please visit the relevant website pages for **Westralia** and the **Black Sea** or [contact us](#) for further information on applying the technique to your data.

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