



# OCTEK NEWSLETTER

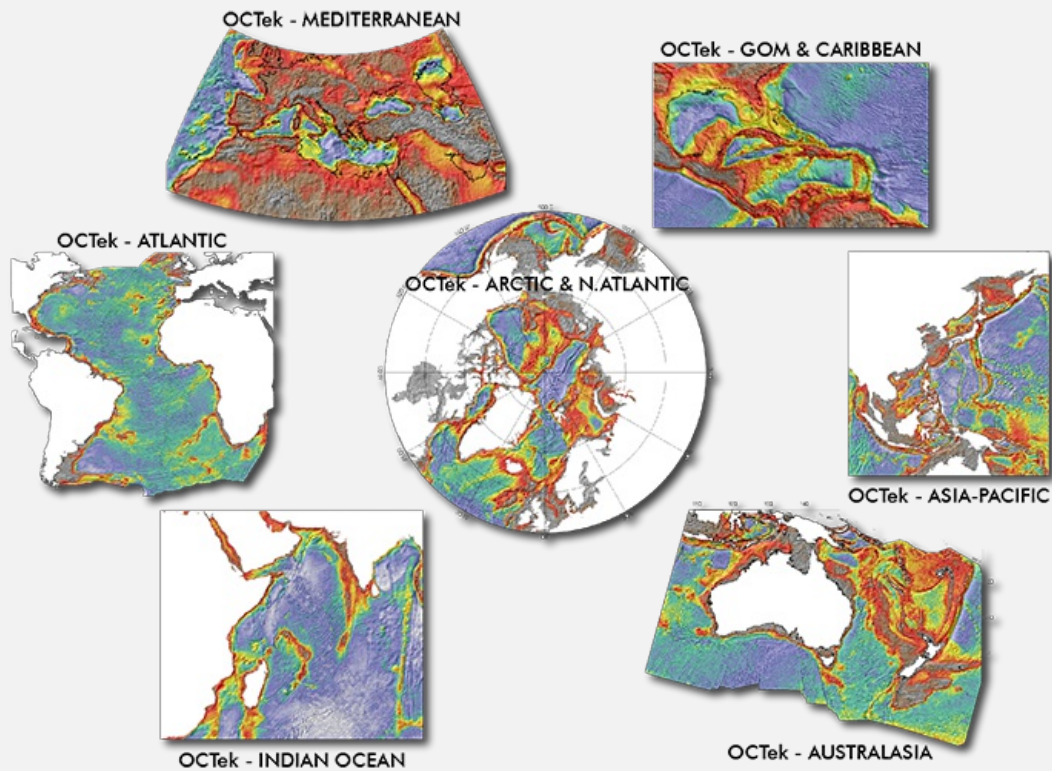


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## OCTek Gravity Inversion News

Dear colleague

As the year end approaches, we would like to bring you up to date with our OCTek gravity inversion products which are designed to assist your frontier rifted margin exploration. Our OCTek products focus on improving your understanding of ocean continent transition (OCT) structure, continent ocean boundary (COB) location, crustal composition and heat flow at rifted continental margins, all of which are critical to exploration for hydrocarbons.



7 regional OCTek studies and their reports are available for purchase:

- OCTek Mediterranean**
- OCTek Gulf of Mexico & Caribbean**
- OCTek Australasia**
- OCTek Arctic & N. Atlantic**
- OCTek Indian Ocean**
- OCTek Asia-Pacific**
- OCTek Atlantic**

OCTek uses our proprietary gravity inversion technology, developed in collaboration with Prof. Nick Kusznir, to map crustal thickness, Moho-depth, lithosphere stretching and heatflow at global rifted margins. Each OCTek report comprises a PDF atlas of maps illustrating these results, together with ASCII grids which can be used as the basis for further work.

For further discussions or information please **contact us**. For a more complete explanation we can schedule a web meeting with yourself and/or your colleagues. Further background information about OCTek can be found on our [website](#).

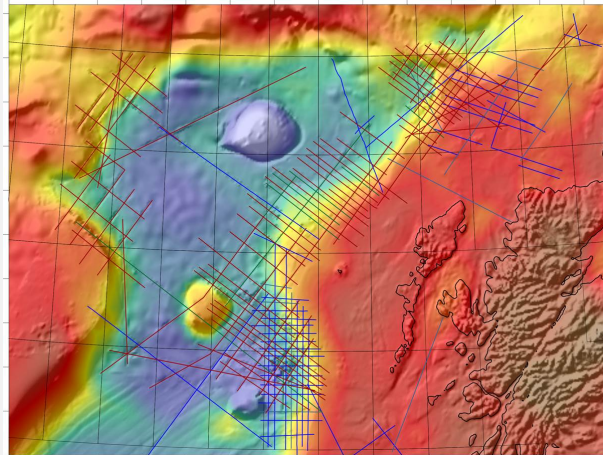
## Other Products

As part of a **UK OGA (Oil and Gas Authority) Exploration Licence Competition**, Badleys were awarded funding in early 2016 for a pilot study to determine crustal basement thickness, composition and heat flow for the UK Rockall Trough. The results of this study now reside as a report with the UK OGA.

Following the success of the pilot study, Badleys have developed this work into a full 3D study of the UK Rockall Trough, using

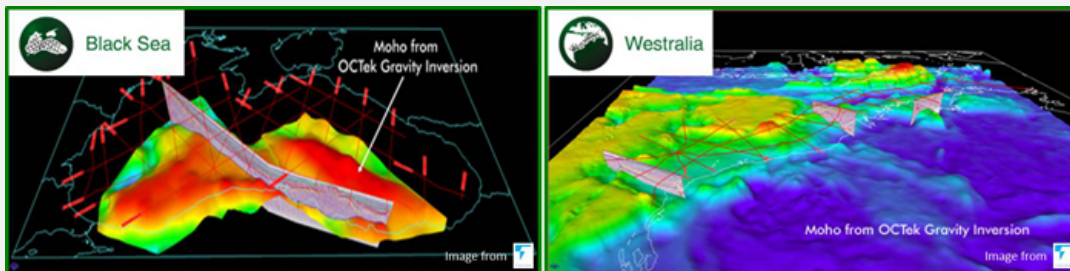
all of the seismic data made publically available by the OGA (see map below).

By using OCTek gravity inversion and 3D backstripping, the study has produced maps of crustal thickness, lithosphere thinning, Moho depth and top basement heat flow history for the AOI highlighted below. These results will be of interest to anyone evaluating the Rockall Trough for the **29th Licensing Round**. A summary of this work will be presented on Thursday 17th November at **PETEX**.



*Crustal thickness for the UK Rockall Trough AOI, superimposed on shaded-relief bathymetry*

In collaboration with **ION Geophysical** Badleys have applied quantitative geophysical and geodynamic analysis to ION BasinSPAN seismic surveys to produce OCTek Seismic reports. The OCTek Seismic quantitative analysis consists of OCTek gravity inversion together with 3D subsidence and RDA analysis using flexural backstripping. The combined interpretation of the quantitative analysis provides important validation of deep seismic interpretation critical to the exploration of rifted margins. For information about the quantitative analytical techniques applied by **OCTek Seismic** please visit our [website](#). **OCTek Seismic** reports are available for the **Black Sea** and **Westralia** (see below).



For further information about any of the studies and reports described in this newsletter please **contact us**.

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