



Sharing the geological  
interpretation of seismic data

[www.seismicatlas.org](http://www.seismicatlas.org)

## ABOUT - The Virtual Seismic Atlas

The Virtual Seismic Atlas (VSA) Project is generating an independent, free-to-use, community-based internet resource, that captures and shares the geological interpretation of seismic reflection data. In its simplest form it is a picture and workbook - in effect a digital development from existing hard-copy publications such as the classic AAPG "Bally" Atlas. However, the digital format allows for a variety of visualization types and links to supporting material that can grow organically with community involvement. We are aiming for comprehensive coverage of different structural, stratigraphic and geomorphological styles and a range of different types of seismic image with increasingly global coverage. The VSA provides a platform for the community to find and compare seismic examples, interpretations and analogues that can be located on the basis of the geology they image. The VSA is housed on a bespoke internet application, powered by Endeca, on a database delivered through EMC Documentum, built in collaboration with Blue Fish Development Group. This platform allows rapid, efficient and surprising searches for data with returns displayed as image galleries. Each step in a search reveals different juxtapositions of images providing rapid analogue comparisons. The individual image "homepage" gives access to high resolution images for download, together with supplementary information, web-links, animations etc.

The Director of the VSA is Rob Butler (University of Aberdeen), supported by Bill McCaffrey and Graham Stuart (University of Leeds). The project is guided by an Advisory Group drawn from the community. The VSA patrons are Richard Hardman and David Roberts. The project is supported by the UK's Natural Environment Research Council, the Geological Society of London, the Petroleum Exploration Society of Great Britain and an array of energy companies. In common with existing learned journals, all materials are credited to the contributors. Further information can be added at the authors' discretion. There is a Code of Practice for use of materials. However, the guiding principle is that the VSA is free-at-the-point of access and that, subject to honouring the IP of materials, the VSA itself imposes no restrictions on the use of images downloaded from the site. Contributors will be able to submit alternative interpretations of existing images and datasets where appropriate.

If you 'd like to contribute images to the VSA, please contact:

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or Bill McCaffrey ([wdm@earth.leeds.ac.uk](mailto:wdm@earth.leeds.ac.uk))