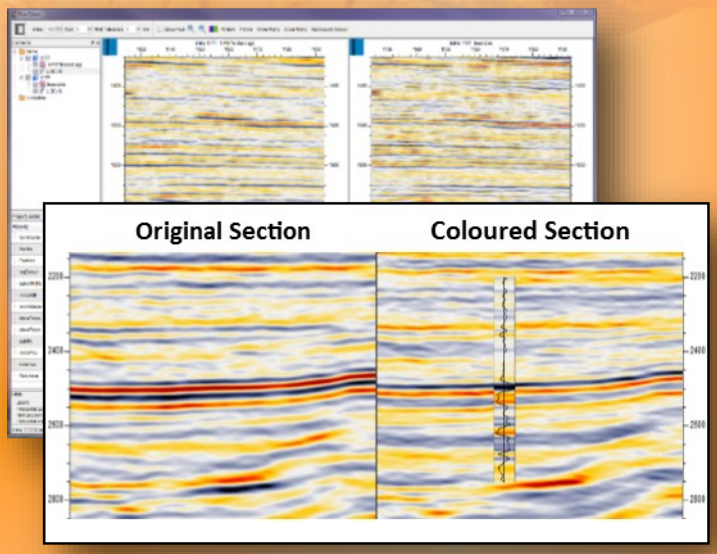
Seismic Coloured Inversion

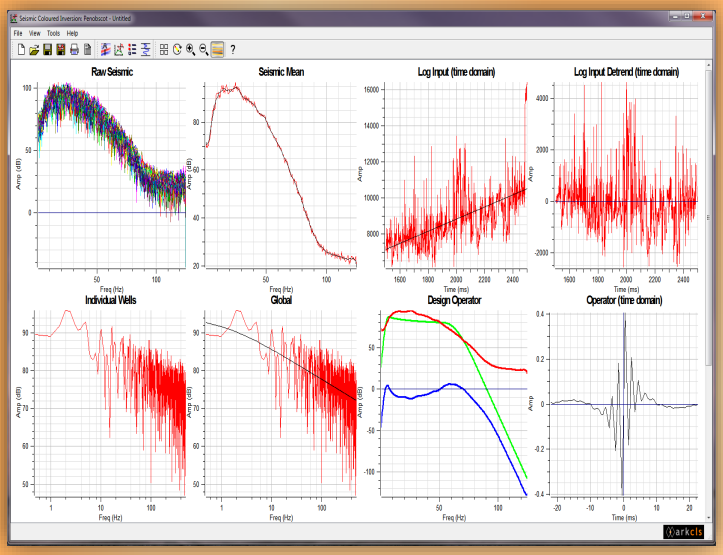
A simple fast technique to invert seismic data to band-limited relative elastic attributes

ARK CLS Seismic Coloured[1] Inversion (SCI) can rapidly invert seismic data to relative elastic attributes such as acoustic impedance, elastic impedance etc. Deriving a single convolutional operator directly from well and seismic data there's no need for time consuming wavelet extraction. Therefore an inversion can be generated in a fraction of the time needed by other inversion methods (e.g. unconstrained sparse spike).

MAIN BENEFITS:

- The original and best! More control, more QC, better results
- Enables the rapid inversion of 2D/3D seismic data
- Provides a true real time seismic view of coloured inversion data
- Proven to deliver results equivalent to unconstrained sparse spike inversion in a fraction of the time





- Avoids the need to build a low frequency model or do wavelet extraction
- Broadens seismic spectrum avoiding the expense of acquisition of new data
- Globally optimised inversion consistent with well data
- Available as a plug-in for Petrel* seismic to simulation software, OpendTect and other Windows and Linux platforms

FOR MORE INFORMATION CONTACT US ON +44 1234 834864

[1] Lancaster.S. and Whitcombe.D. Fast track 'coloured' inversion. SEG 2000 Calgary

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ARK CLS Ltd, Bedford i-lab, Priory Business Park, Stannard Way, Bedford, MK44 3RZ, UK.
Tel: +44 1234 834864 Fax: +44 1234 834865 E-mail: info@arkcls.com Web: www.arkcls.com