

OPERA OIL & GAS ORGANIZATION FOR APPLIED RESEARCH

OPERA

Fields of application
Oil & gas industry
The environment

OPERA has filed a patent jointly with Total
"Method for generating a subsurface image of an area of interest from seismic data."
Authors: R. Valensi and R. Baina
Patent number: PCT/IB2018/000757.
Publication date: June 08, 2018

Research themes and know-how

Geophysical methods applied to oil & gas exploration
3D seismic imaging for complex reservoirs
Numerical simulation of wave propagation
Signal processing applied to geophysical data
Numerical resolution of inverse problems in geophysics

Main equipment

Computer cluster: 1 front-end server (16 cores, 48 GB) and 64 computation nodes (8 cores, 24 GB/core)
Access to the 6 Petaflops of the PANGEA/TOTAL supercomputer (220,800 cores)

Contact:

Director:
Reda BAINA

Partnerships

Industrial partnerships: TOTAL, GIMLAB, CELUM

Spearheaded by



OPERA in figures



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