
FUGRO-JASON NEWS

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Markov Chain Monte Carlo Geostatistical Inversion Featured in JGW 8.0 Release

Company incorporates StatMod MC after using it in consultancy practice for two years

Rome, June 9, 2008 – Fugro-Jason (www.fugro-jason.com) today announced release of the [Jason Geoscience Workbench](#) version 8.0 at the EAGE Convention in Rome. This major revision features the incorporation of [StatMod MC](#), a software module that has been used in the company's [Reservoir Characterization Consultancy](#) for two years. StatMod MC combines geostatistics and advanced statistical physics with innovative seismic inversion methods to integrate disparate data from multiple sources and produce reservoir models that reliably quantify uncertainty for risk assessment and reduction. Fugro-Jason is a leader in reservoir characterization technology for the oil and gas industry.

"With StatMod MC and the Jason Geoscience Workbench, geologists, geophysicists and other geoscientists can now build highly-detailed realistic 3D numerical models with more accurate estimates of uncertainty and bias," said Eric Adams, Managing Director of Fugro-Jason. "Our consulting team proved its value over the last two years so we are now making it available as part of our commercial product."

StatMod MC goes beyond traditional geostatistics and seismic inversion to:

- Integrate high vertical resolution well data with high areal resolution 3D seismic
- Improve the vertical detail over deterministic seismic inversions
- Produce reservoir property models with geologically-plausible shapes
- Quantify model uncertainty for scenario analysis and risk assessment
- Generate highly detailed models of petrophysical properties ready for input to reservoir flow simulation

Geostatistical Inversion techniques are also well-suited for incorporating expert knowledge without over-constraining the solution.

StatMod MC is part of the Jason Geoscience Workbench (JGW). JGW includes 3D seismic inversion, [wavelet estimation](#), geostatistical inversion, [AVA simultaneous inversion](#), [rock physics](#), [petrophysics](#), reservoir modeling and advanced analysis and 3D visualization. As a result, geological, geophysical, petrophysical and rock mechanics information integrates into a single consistent model of the earth.

"New models combining geostatistics and 3D seismic volume data are accurate near and away from wells, have realistic detail beyond the seismic bandwidth, retain integrity when wells are removed, and provide more accurate estimates of uncertainty and bias," said Denis Saussus, Product Champion for Geostatistical Inversion. "After years of successful application by our services group we are pleased to offer StatMod MC as part of the latest version of our flagship product."

About Fugro-Jason

Fugro-Jason is dedicated to delivering innovative products and services to help our clients identify and produce hydrocarbon deposits by integrating information from the various geoscience disciplines. In 1993 Fugro-Jason introduced the Jason Geoscience Workbench, making it possible to integrate geological,



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geophysical, geostatistical, petrophysical and rock physics information into a single consistent model of the earth. The application of Fugro-Jason's technology, either through use of the software or through our consultancy services, substantially improves returns on E&P investments by adding invaluable reservoir model information that reduces the risks, costs and cycle-times associated with field development.

Fugro-Jason is a unit of [Fugro NV](#). Fugro was founded in 1962, and is listed on Euronext NV, Amsterdam, the Netherlands. Fugro has more than 10,000 staff and a permanent presence in over 54 countries.

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