

# Fujifilm's 5th Annual Global IT Executive Summit

24<sup>th</sup> October 2013



### CGG and our Business: Organization

#### Equipment



Full range of products and clear market leadership onshore, offshore and downhole:

- Technology leadership
- Large installed base
- A cornerstone for CGG integrated solutions

#### Acquisition

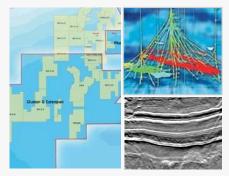


Full range of seismic and other geophysical methods for acquisition:

- Land
- Marine
- Seabed\*
- Airborne



#### Geology, Geophysics & Reservoir



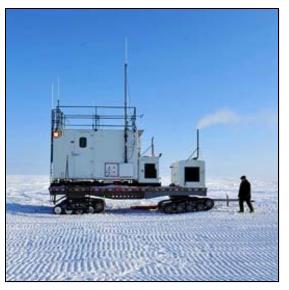
- Subsurface Imaging
- Reservoir Software & Services
- Geological Services
- Exploration & Appraisal
- Satellite Mapping
- Multi-Client Data Library (Seismic, Grav-Mag, Geological)
- Data Management Services

\*Through the Seabed Geosolutions joint venture owned 60 % by Fugro % and 40 % by CGG

- 9,800 employees
- 70 locations worldwide
- \$4.2 Bn 2012 pro-forma revenue



# Acquisition: Land

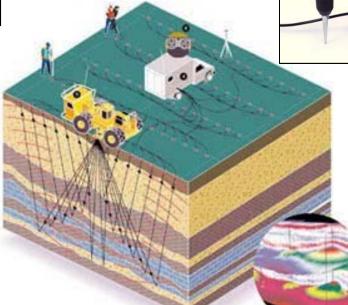


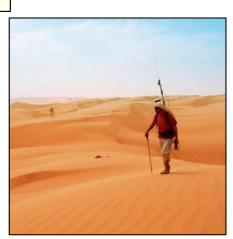






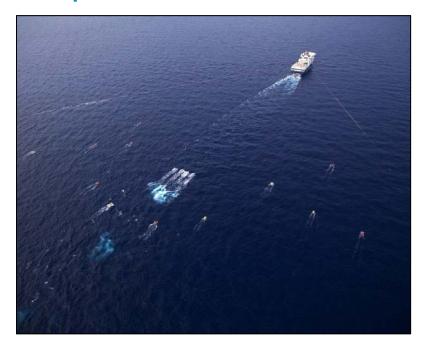


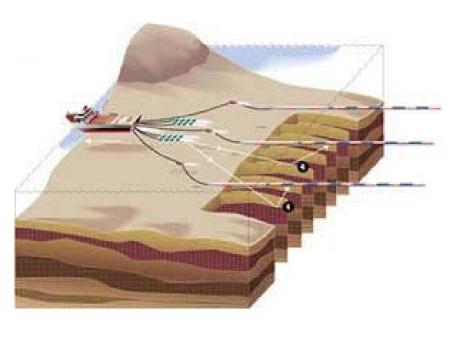






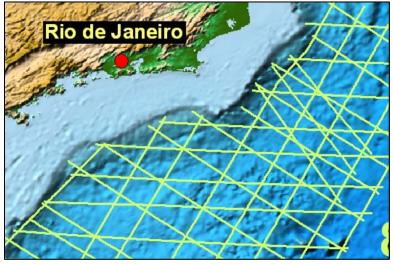
# Acquisition: Marine







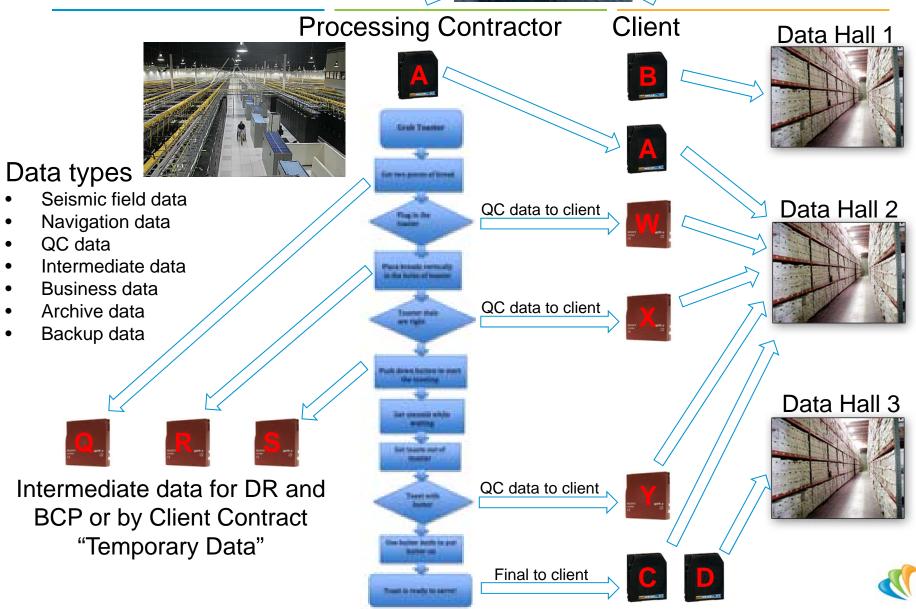


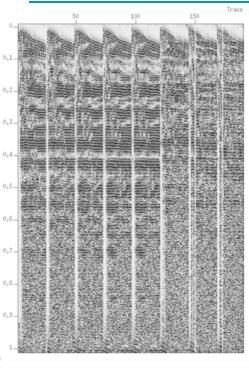


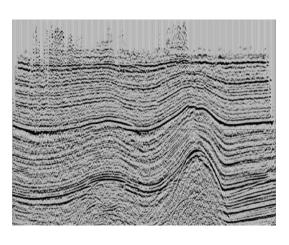


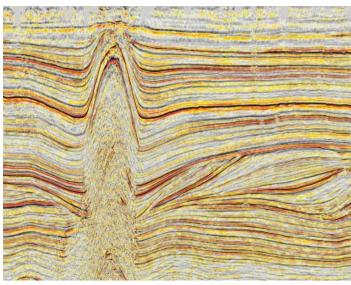
### Dataflow: Example

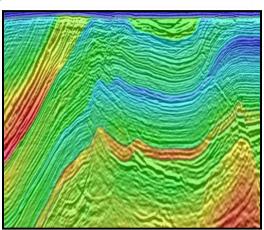


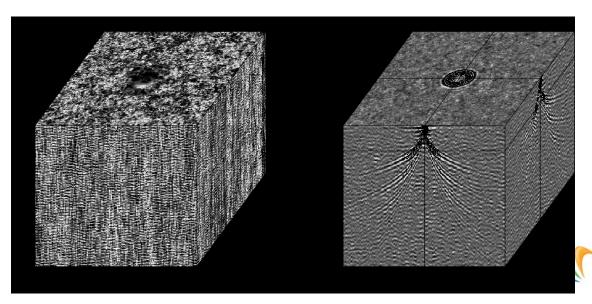


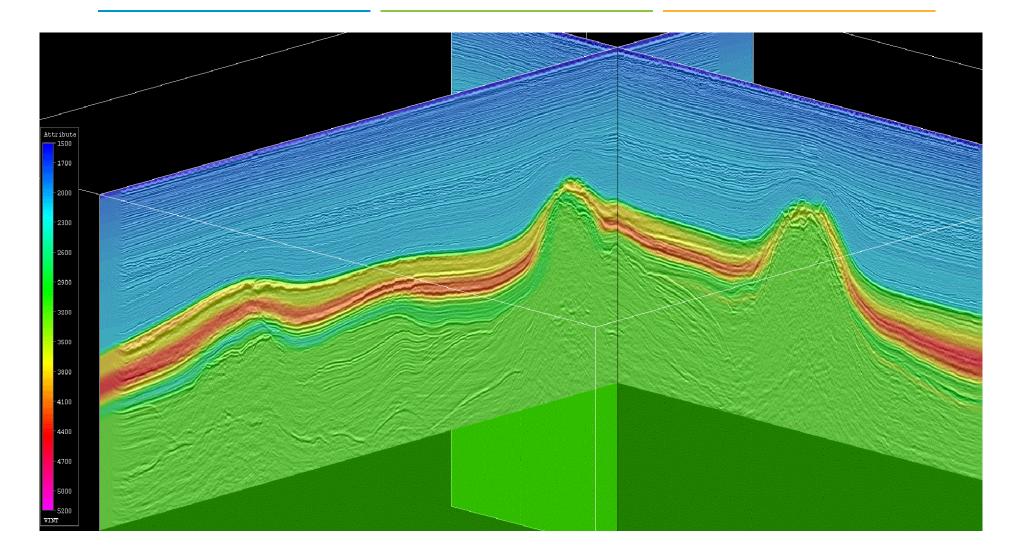




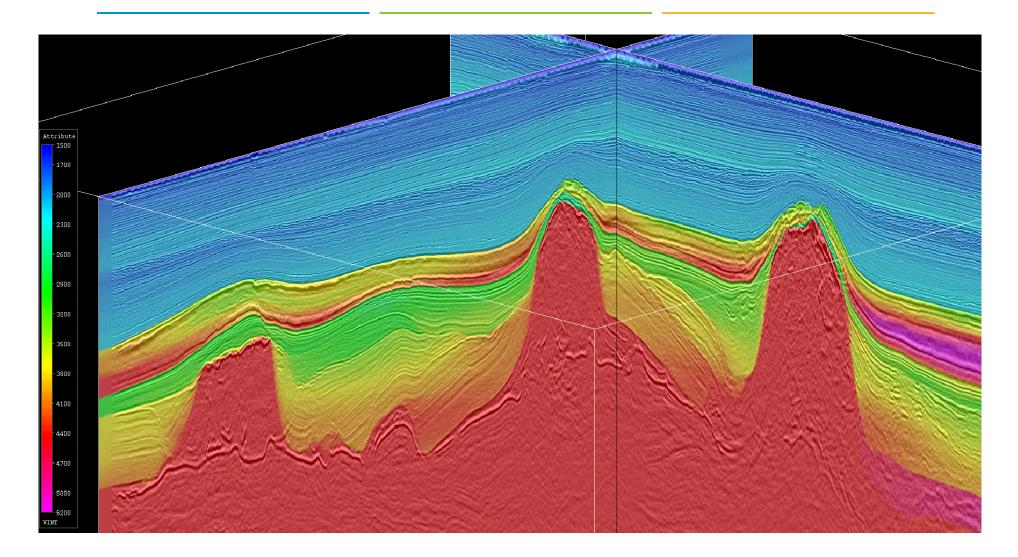




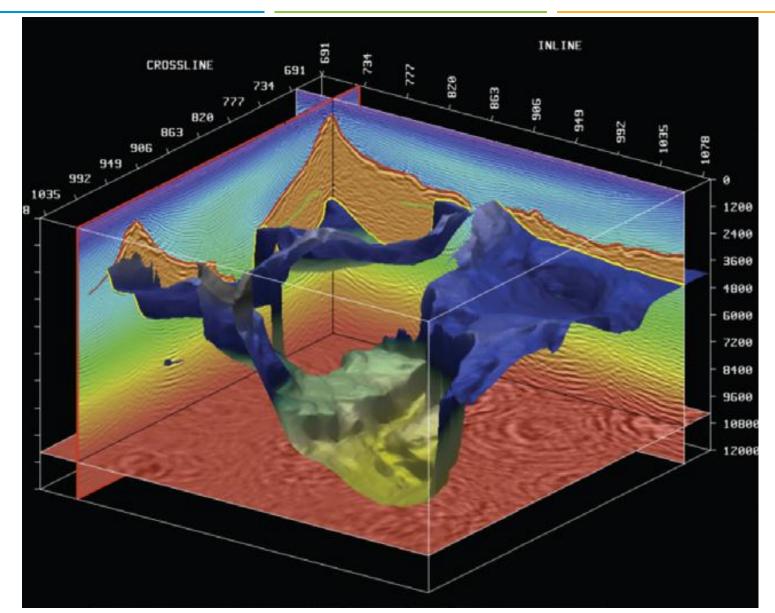










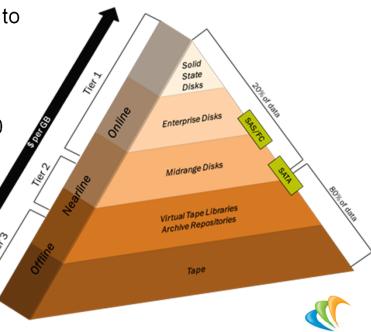


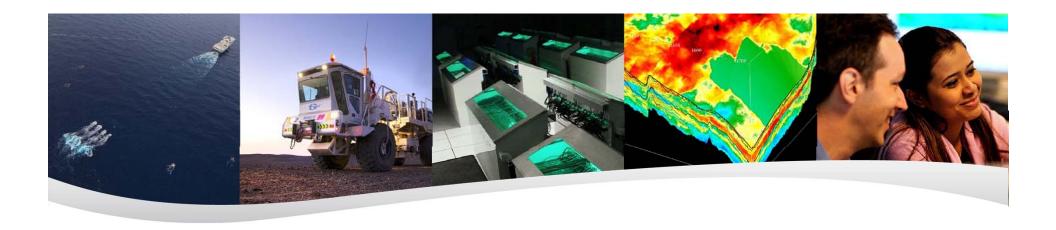


### Challenges

- Unique requirements
  - Robustness of media for field data and storage.
  - Long lifespan. Data may set on the shelf for many years.
- ■Implemented Solutions
  - Early setting of tape standards by SEG.
  - Internally created data transfer applications.
- Storage challenges going forward
  - Transcription: Re-reading old media. We still have to read 40 year old tapes for our clients.
  - The longevity of tape drive hardware.
  - Re-mastering the data center and the vessels.
    - New tapes and drives every 'X' years. The 3590 was in production for over 20 years.
    - In nine years, the 3592 drive has already gone through four generations of drive.
  - BIG DATA! Data Loss. BIG DATA LOSS!
  - Where's my Data????!!!!
  - How much does it cost to manipulate my data?







# Thank you

