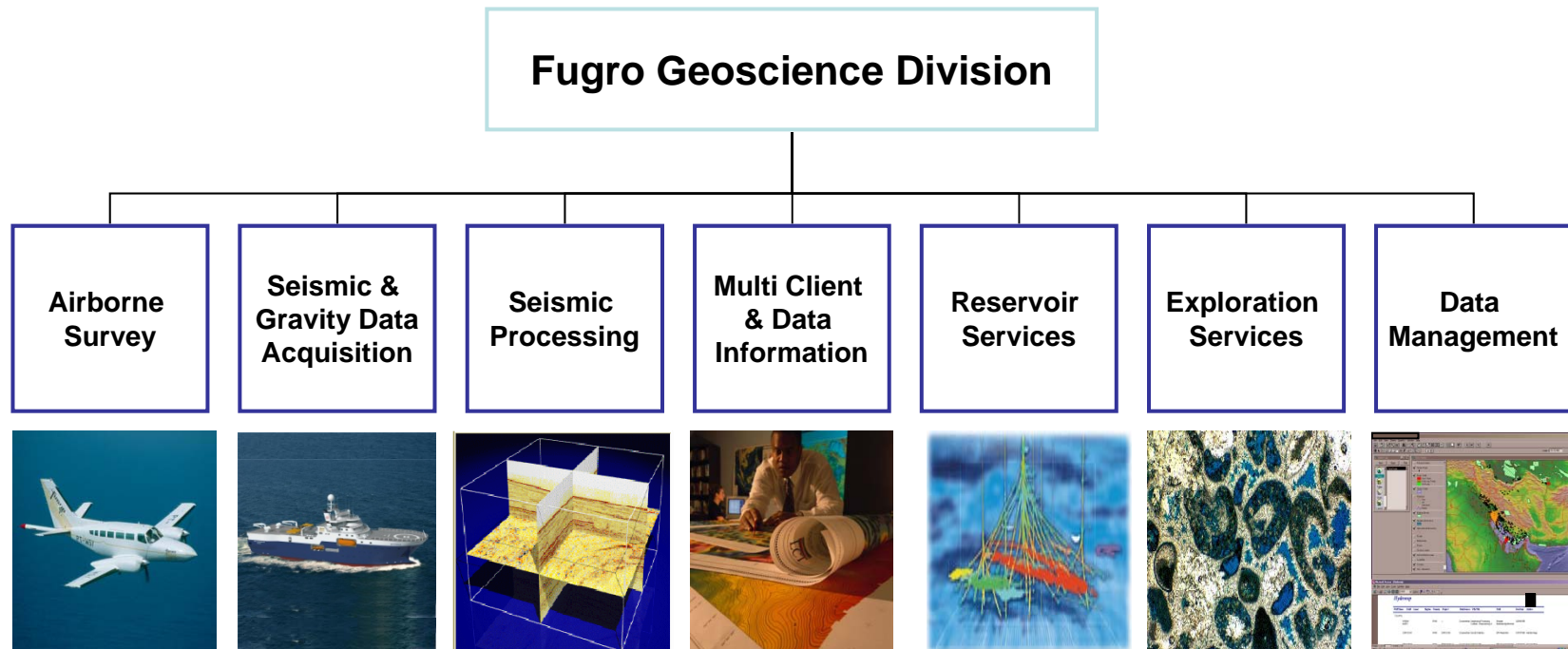


Contents



- About Fugro Data Solutions
- The Trango Manager suite, why ?
- The Trango Manager suite, what's that ?
- Why do we use Openspirit technology ?
- Demonstration video load seismic from datastore into Trango Seismic manager
- Demonstration video search seismic using Trango Manager and send dataset to interpretation package/viewer
- Demonstration video load well data from datastore into Trango Seismic Manager
- What's coming up...
- Questions

About Fugro Data Solutions



About Fugro Data Solutions



Data Storage

Physical records storage
Inventory
Archiving
Remediation
Restoration
Media copying
Media backup
Scanning



Data Quality Services

Data profiling & cleansing
Validation & enhancement
Ongoing quality retention
Database migrations
Data clean-up



Customized Development

Web applications
Desktop applications
GIS applications
Databases
Abstraction middleware



Commercial Applications

Trango Manager™

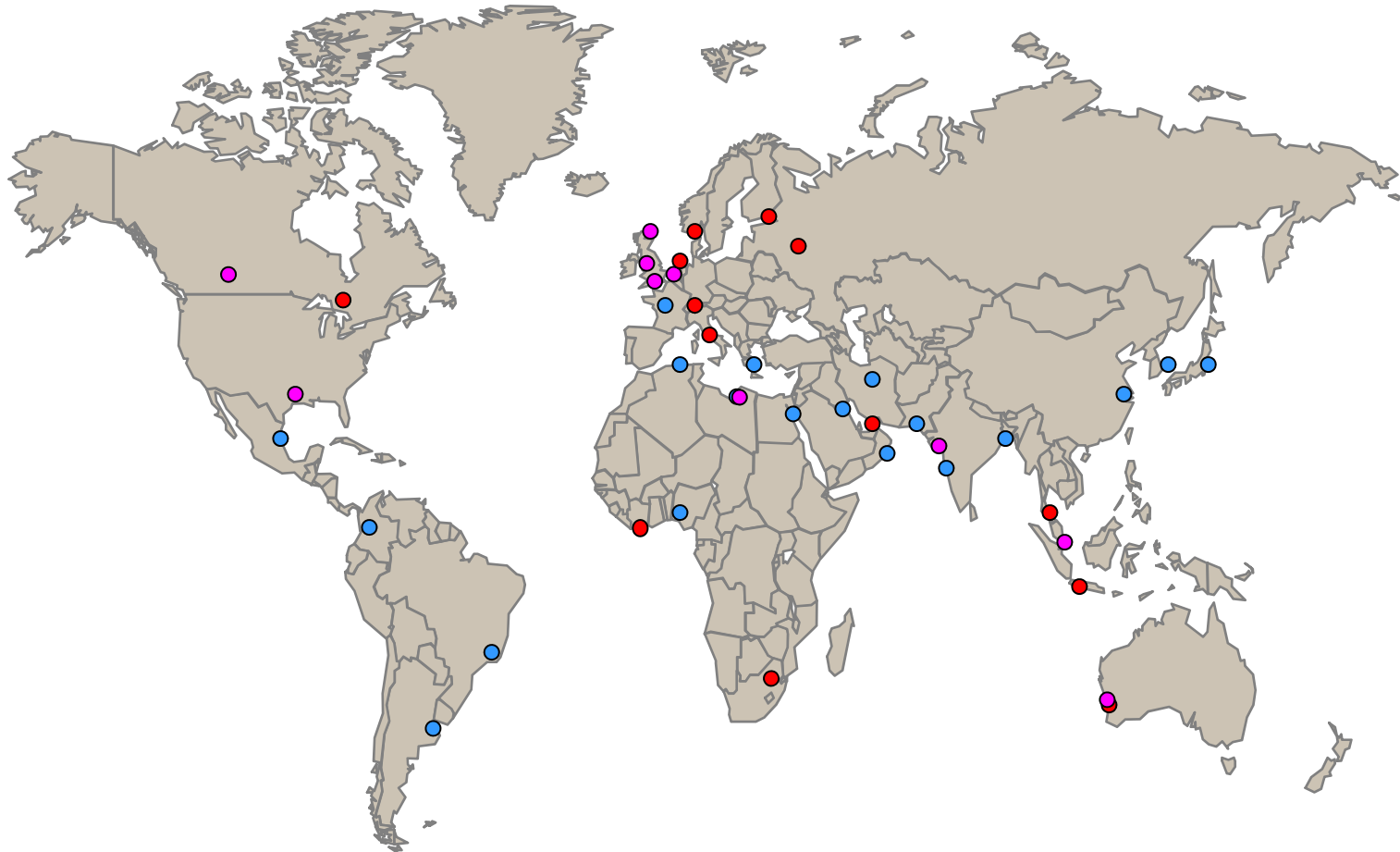
- Seismic
- Well
- Geological
- EXPO



Consulting

Data storage/archiving strategies for physical and electronic data
Business process reviews and assessments / strategy
Training
Data Loading, QC
GIS
Best Practices

About Fugro Data Solutions



- Fugro Operating Company Office - D&P division
- Agency Representation
- Fugro Office – FDS group

Trango Manager : why ?



- Upstream E&P information has a long lifecycle : until definitive abandonment of a field or even later
- Upstream E&P information exists in many forms :
 - Digital datafiles
 - Digital documents, scans
 - Tapes, CD, DVD
 - Hardcopy documents, sections
- Multiple departments/people from various disciplines need to know about existence of data and be able to search and locate information, load it and work with it.
- Historically the various forms of data and the media on which it was stored, created “metadata independent” data silo’s.

Trango Manager : why ?

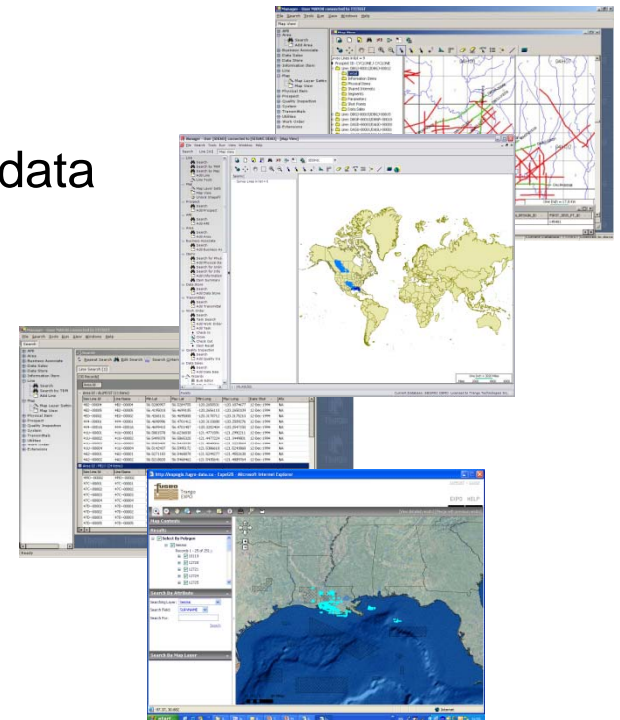


- Often multiple project (interpretation) applications : no overview
- Metadata synchronisation
- A lot of data is not stored on-line because of data size
- No single “view” on all existing data of a survey, well

Trango Manager : what's that ?



- Application for management and storage of metadata :
 - how was data collected
 - by whom
 - When
 - which geographical region is covered by the data
 - who is (partly) owner of the data
 - in what form or format(s) does it exist
 - where is it now
- 3 modules :
 - Seismic manager
 - Well manager
 - Geo manager
- Desktop for G&G data managers, light weight web enabled for non-data managers
- Industry standard tech (Oracle/ESRI/.NET), PPDM
- Connect with EDMS systems (Livelink/Documentum)



Trango Manager : what's that ?

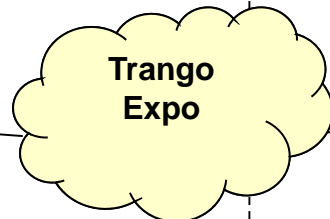


Data Interpretation/
Data Repository

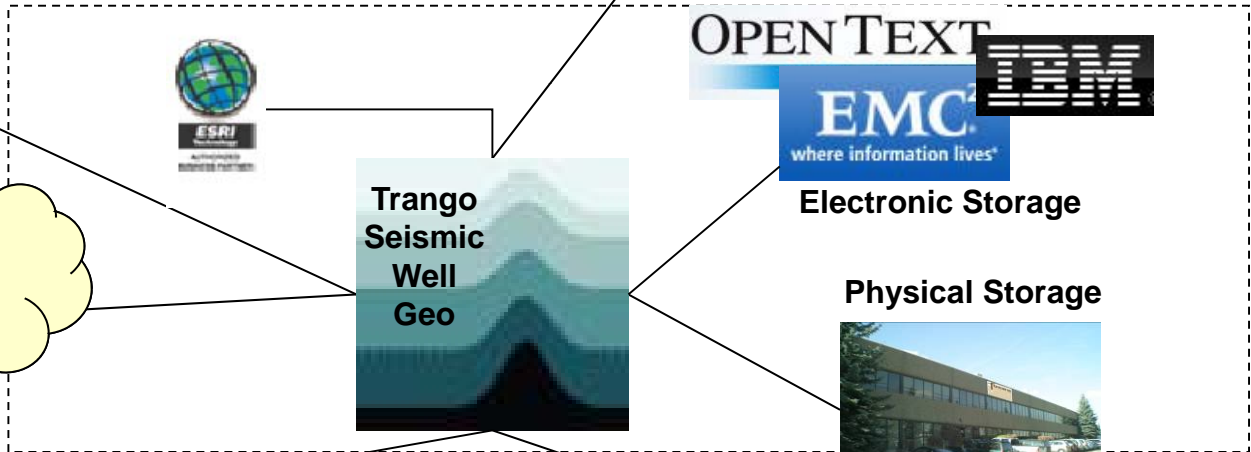


Middleware

Primary users
Records Managers
Data Mgmt Group

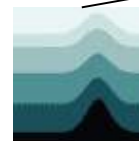


Data Administration



Electronic Storage

Physical Storage



Data Acquisition



Proprietary Data

Public Data

Why we use Openspirit tech ?



- Shared philosophy : share data, minimise the hassle, facilitate
- Shared technology/standards from the start : ESRI, PPDM
- Business logic : find data and do something with it, keeping track where data has gone
- Business logic : if data is loaded data directly into an interpretation application, it is easy to broadcast the metadata to Trango and add other metadata later, keep track.

In general : Tear down the walls !!!

Demo's



What's coming up ?



- Further simplify data movements, minimize necessary clicks using business logic
- Pick up interpretation items as information items (e.g. horizons)
- Extend authorisation possibilities
- Improve data movement tracking

Questions ?



