

The importance of standards for delivery of geospatial data.

Do it once, do it right and do it internationally

by

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User needs on energy and minerals data and services

Eurogeosource International workshop

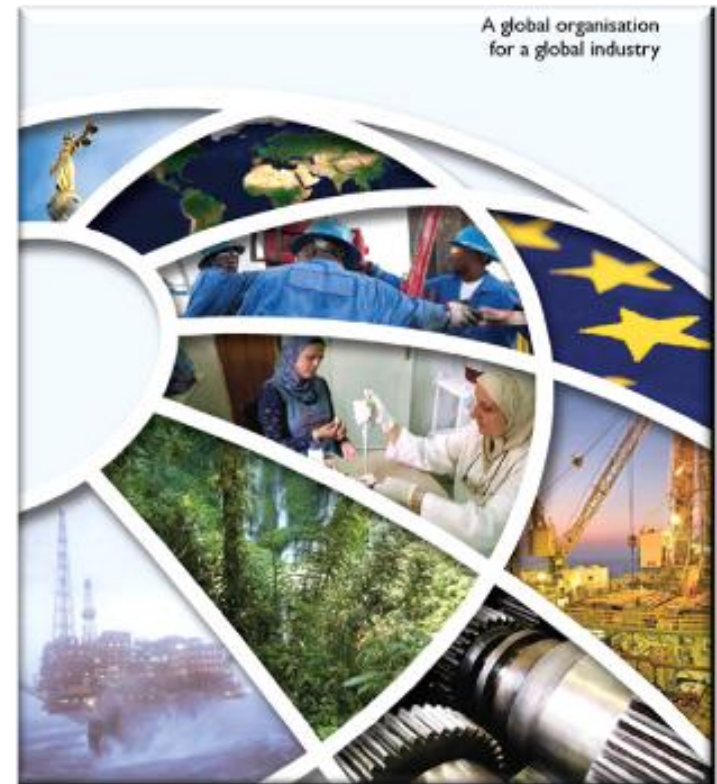
10th March 2011 Budapest, Hungary

Who are the OGP?

OGP

International Association of Oil and Gas Producers (OGP)

- Formed 1974.
- Members produce half world's oil and one third of its gas.
- London office (global affairs) since 1974.
- Brussels office (EU) since 1992.
- Representing some 30 OGP members active in Europe.



Global standards used locally worldwide

The OGP Geomatics Committee



- Previously known as the Surveying & Positioning Committee.
- Formed in 2005 from the European Petroleum Survey Group (EPSG).
- Comprises specialists from OGP member companies working in the areas of surveying, geodesy, cartography and geo-spatial information/coordinate data management.
- It is the single global source for positioning advice, guidance and formats provision for the upstream oil and gas industry.



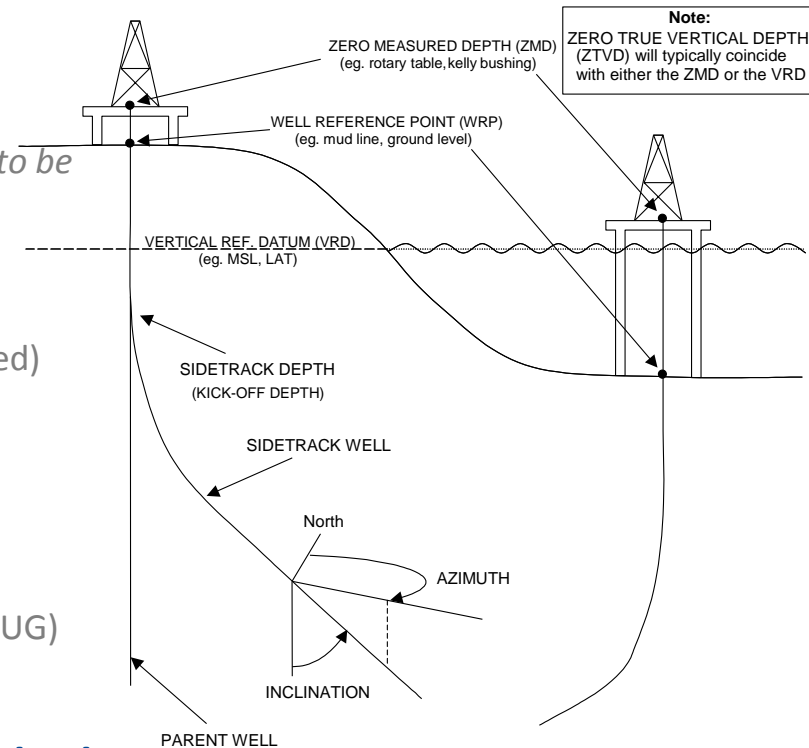
Global standards used locally worldwide

The OGP Geomatics Committee



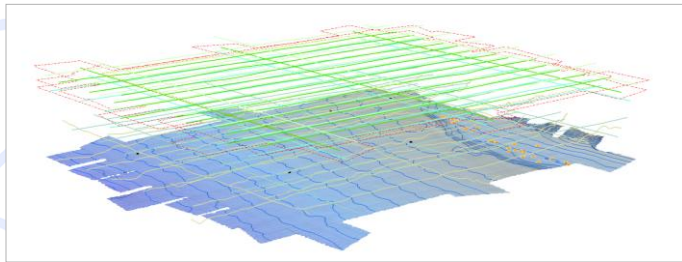
Main Deliverables

- **EPSG Geodetic Registry** <http://epsg-registry.org/>
 - **GIGS** (Geospatial Integrity of Geoscience Software – *shortly to be released*)
- **Data Exchange Formats**
 - **P1, P2 positioning data** (under revision, shortly to be released)
 - **P6 Seismic Bin Grid definition** (soon to be revised)
 - **P7 Wellbore Deviation Survey** (soon to be revised)
- **Data Models**
 - **SSDM** (Seabed Survey Data Model – to be released at ESRI PUG)
 - **Standard Legend** (under consideration)
- **Liaison and technical co-operation with other standards bodies**
 - **SEG** (SEG Y, SEG D, SPS & Seismic Data Management Technical Committee)
 - **Energistics** (WITSML, PRODML, RESQML)
 - **ISO** (TC211)



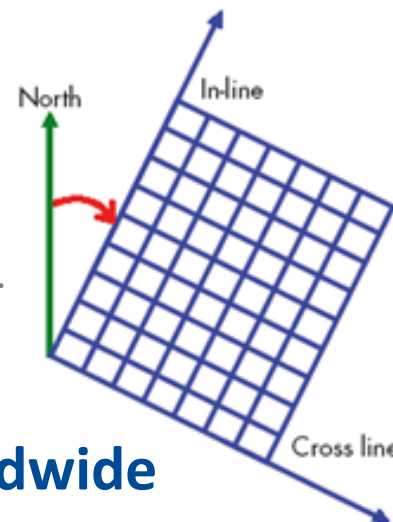
Global standards used locally worldwide

Technical Guidance Notes



- GN-1 (Geodetic Awareness).
- GN-2 (Use of Bin Grids in Workstations).
- GN-3 Contract Area Definition.
- GN-4 Use of the ITRF.
- GN-5 CRS definition.
- GN-7 EPSG Geodetic Parameter Dataset.
- GN-10 Geodetic Transformations offshore Norway.
- GN-13 Datum Transformation evaluation & use.

- GN-14 CRSs in Reserves Unitisation Agreements.
- GN-16 QC of proposed Well coordinates.
- GN-17 Coordinate Transformation in Gulf of Mexico.
- Guidelines for GNSS positioning in the Oil & Gas industry (shortly to be released).
- Guidelines for the conduct of offshore drilling hazard surveys (shortly to be released).

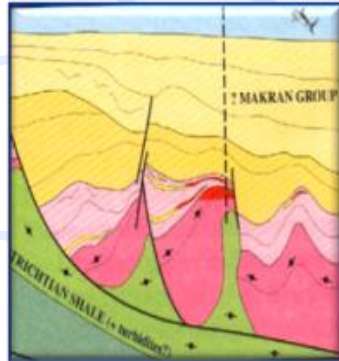


Global standards used locally worldwide

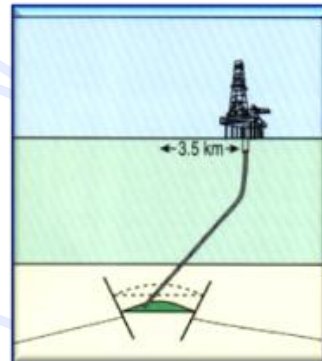
Exploration and Production Lifecycle



Explore



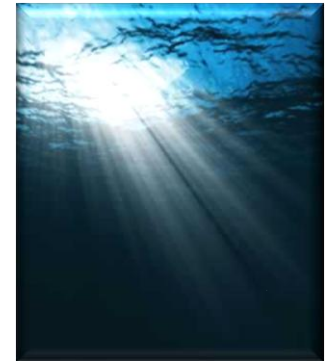
Appraise



Develop



Produce



Decommission

Geomatics: Operations & GeoInformation

Do in once, do it right, do it internationally!

Global standards used locally worldwide



Thank You
Questions?