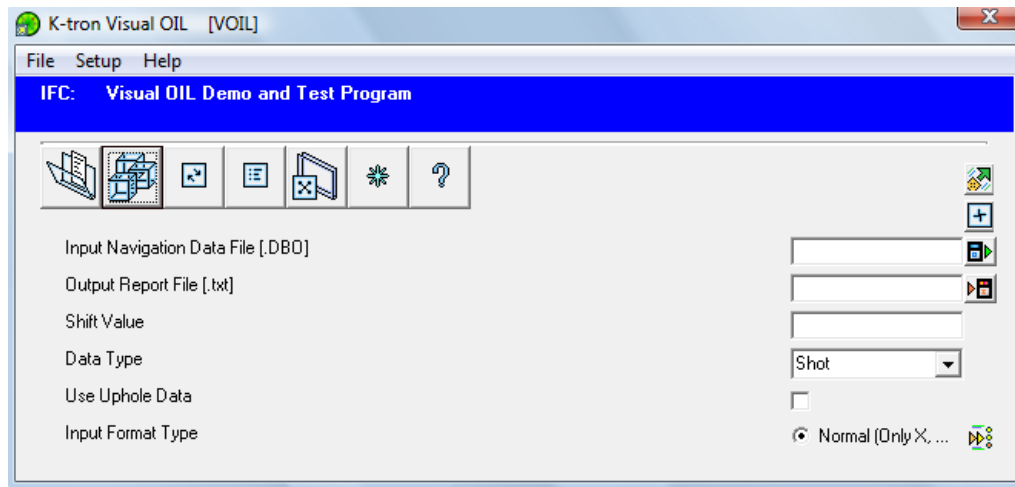


GP-403: Output Input Language for Geoscientific Data Formatting



Who Should Attend

Seismic Data Processing Analysts for creating Geometry Job Setups from Observer Reports (SPS), Navigation Data and Statics. Interpreters for sharing Seismic Velocities and Horizon/Faults Data between different systems.

Overview

Output Input Language (OIL) is a free (GPL-General Public License) language interpreter along with a windows interface Visual OIL, developed by the instructor. It has a rich set of program libraries for formatting various types of geophysical datasets such as; Navigation (SEG-P1, UKOOA P190, SPS, DBO), GIS (Google Earth KML, KGD), Observer Reports (SPS, Processing Software Geometries), Seismic Velocities (IQ/Omega, ProMax, GeoFrame, Landmark, VEL), Interpreted Horizons and Faults (GeoFrame, Landmark, Petrel, Geographics, Kingdom, X-Works SEC,).

This course covers; OIL Formatting Environment, usage of existing programs library for data formats conversions and learning OIL language to modify and create new formatting programs. OIL language and programs library will be available to the participants for distribution. The participants are encouraged to bring formatting problems along with the format specifications and one sample dataset.

Contents

- Output Input Language (OIL) Architecture
- OIL Commands & Programming
- Visual OIL Windows Interface
- Format Types: Binary, ASCII & XML Tagged
- Navigation, Statics and Observer Reports Data Formatting
- Geographic Information System & Google Earth Data Formatting
- Seismic Velocity Data Formatting
- Seismic Horizon & Faults Data Formatting
- Exporting Data for Gridding & Contouring
- Writing Processing Scripts in OIL