Formation personnalisée sur Geocluster®[1]

Pour le CNRS

Durée : une semaine
Audience: géo-scientifiques ayant l'expérience du logiciel Geocluster

1 journée sur 'TeamView'

Practice on Teamview trace viewer

Course Description
After an initial overview and description of the application the students will follow on-screen guides that provide experience of all the above features.

- Starting the trace viewer and creating a project.
- Viewing trace data.
- QC, including header word interrogation and data analysis.
- Interactive parameter picking
- Interactive data processing facilities.

Course Objectives
Ability to use the interactive application TEAMVIEW

1 journée sur 'ChronoVista' option pointé de vitesse

Use of GeoVel for routine spectral velocity analysis picking and QC.

Course Description
After an introductory overview, students will follow an on screen training guide and perform a series of exercises

- Launching ChronoVista - Creating projects Data loading using XPS and Data manager.
- Basic GeoVel velocity picking Managing all aspects of the display, pallet, scale etc.
- Velocity QC and linked navigation between the various display windows
- Estimating multiple arrivals - Generating mini-stacks on the fly
- Saving the session settings - Export of the picked velocity file

Course Objectives

- Understanding the Gem database and the Geovel application
- Ability to import the different data types needed for spectral velocity picking and QC
- Ability to pick and QC spectral velocity picks, create velocity fields and export

[1] ®Marque déposée CGGVeritas

University
Learning for Development

1 journée sur la migration

Theory and practice on migration

Course Description

- Introduction
- Overview
- Basic Principles
- Migration Methods
- Mathematical Basics
- Principles of Downward Continuation
    - Implicit and Explicit operators
- Geocluster migration modules
- Pre-Stack Migration Practical Work Using supplied synthetics to investigate the effects of parameter variations

Course Objectives
Understanding the theory of migration. Kirchhoff, Finite Difference, F-K method

2 journées sur la Pre-STM et 'Chronovista' (option pointé structural)

Practice on the Geocluster module TIKIM to carry out a Pre-Stack Time Migration

Course Description
Students will follow presentation material supported by practical exercises that include running TIKIM jobs and loading a dataset for velocity picking

- Short introduction to migration: particularly explaining how the TIKIM approach obviates the need to consider DMO.
- 3D Pre-STM Kirchhoff migration as used in TIKIM
- Possible TIKIM work flows and key parameterisation
- Velocity picking in a TIKIM sequence using ChronoVista (GeoVel)

Course Objectives
Ability to run a Pre STM workflow by using TIKIM
