

Training - Stratigraphic Modeling: Basin Architecture & Sediment Distribution



DIONIS-EN-P



Face-to-face only



5 days

This course provides an in-depth and practical understanding of stratigraphic modeling following a comprehensive workflow

Level

Knowledge

Public

Junior exploration geoscientists, multidisciplinary-team managers

Objectives

Attendees will be able to implement the following skills:

- Grasp methodology of sequence stratigraphy and concepts of stratigraphic evolution
- Model stratigraphic evolution of a basin using the software program DionisosFlow™
- Predict reservoir distribution and geometry, and assess efficiently the stratigraphic architecture of a sedimentary basin

Pedagogical & technical resources

- Hands-on training sessions on workstation.
- Use of the software program DionisosFlow™ (maximum 2 participants per workstation).
- Exercises and reports to launch questions and discussions at the end of the course.
- Software used during workshops: with courtesy of Beicip-Franlab.

Assessment of achievements

- Trainees are assessed throughout the training through practical application phases and interactions with the trainer
- A final on-the-spot evaluation may also be carried out at the end of the course and/or at the end of each module using tests designed to verify the learners' understanding and assimilation of the knowledge linked to the training objectives

Prerequisites

Degree in G&G.

No prerequisites in basin modeling.

Responsible

IFP Training instructors, with expertise in the field and trained in modern teaching methods adapted to the specific needs of learners from the professional world

Program

SEQUENCE STRATIGRAPHY ANALYSIS

1 day

Depositional system concepts. Walther's law.

Well log data.
Seismic data.
Sequence stratigraphy analysis workflow.

STRATIGRAPHIC PARAMETERS

1 day

Presentation of allogenic parameters through the use of DionisosFlow™ software.
Sensitivity analysis exercises with DionisosFlow™.

ACCOMMODATION & SHORELINE SHIFTS

1 day

Accommodation concept.
Shoreline trajectories.
Subsidence. Sediment supply.
Demo and exercises with DionisosFlow™.

SEISMIC & WELLS ANALYSIS

1 day

Stratigraphic surfaces.
Systems tracts.
Demo and exercises with DionisosFlow™.

MODELING LOOP

1 day

Links between stratigraphic modeling and basin modeling.
Questions and discussion.
Exercises with DionisosFlow™.

To French entities : IFP Training is referenced to DataDock ; you may contact your OPCO about potential funding.
Please contact our disabled persons referent to check the accessibility of this training program : referent.handicap@ifptraining.com