

Formation - Stratigraphic Modeling: Basin Architecture & Sediment Distribution



DIONIS-EN-P



Présentiel



5 jours

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

Niveau

Fondamentaux

Public

Junior exploration geoscientists, multidisciplinary-team managers

Objectifs

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

Pédagogie & ressources techniques

- 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.

Évaluation des acquis

- 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

Prérequis

Degree in G&G.

No prerequisites in basin modeling.

Responsable

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

Programme

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™.

IFP Training est référencé au DataDock. Rapprochez-vous de votre OPCO pour connaître les possibilités de financement de cette formation.
Pour vérifier l'accessibilité de cette formation à une personne en situation de handicap, contactez notre référent à l'adresse suivante :
referent.handicap@ifptraining.com