

Geologic interpretation of reflection seismic profiles

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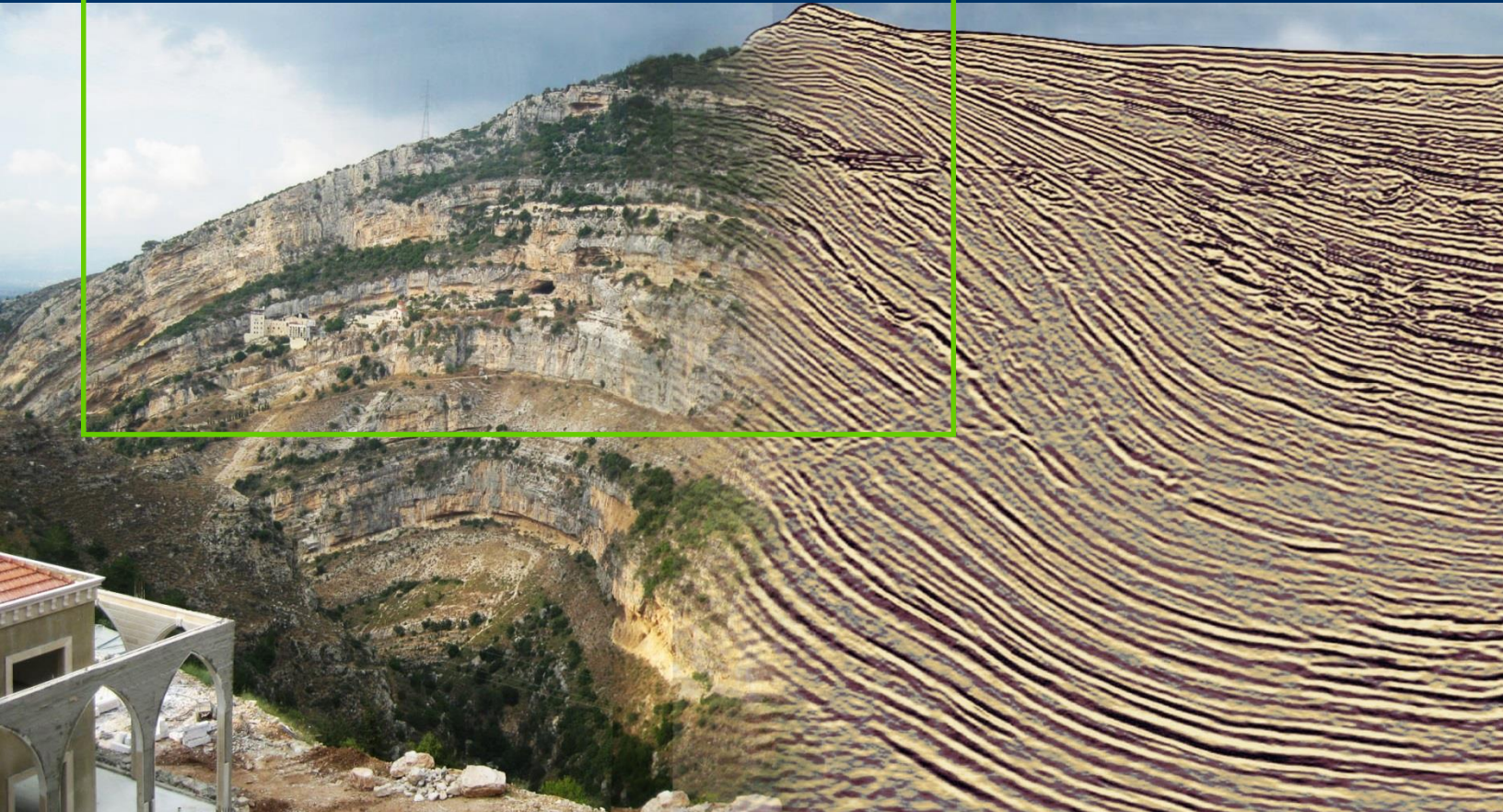
Vorbesprechung/first meeting: 2.5. 14:30-15:00, Room 2C193
Vorlesungszeiten/lectures: 2.5 to 5.5, 15:00-17:30, Room
TBD

Aims, content and methods:

The aim of the lecture is to train the students to interpret reflection seismic data used in the stratigraphic and tectonic analysis of deformed belts and sedimentary basins. This seismic “boot-camp” includes various case studies from around the world, with emphasis on the integration of seismic reflection data with other surface and subsurface geological/geophysical information. Modern hydrocarbon exploration concepts based on the structural and stratigraphic interpretation of 2D and 3D seismic reflection data are also discussed.

Assessment and permitted materials:

Written test, participants will work with and interpret on hard-copy seismic sections provided by the lecturer.
No additional material is expected/permitted.



Suggested literature:

Bally, A. W. (1983).
Seismic expression of structural styles (3 volumes)
AAPG *Studies in Geology*, 15, Tulsa, Oklahoma
Bally, A. W. (1987). Atlas of Seismic Stratigraphy (3 volumes)
AAPG Tulsa, Oklahoma