1. Objectives and content of the course

This course will provide an overview of the key aspects of reservoirs formed in clastic depositional environments ranging from alluvial fans, glacial, fluvial, marginal to deep marine. The course focuses on the key aspects characterizing the reservoirs development such as rock texture, composition, architecture, connectivity and reservoir property distribution. Specifically, the students will learn to identify and recognise the key parameters which determine the reservoir properties of a clastic depositional sequence by using and integrating multiple data such as seismic, core data (e.g. sedimentology and petrophysical data), wireline log data and outcrops. The course will provide software hands-on experience where students will learn how to handle 2D and 3D digital data sets and develop their own conceptual geological reservoir model.

This course will be given in English.

2. Pre-requisite: modules Basin Research and Geophysical logging