

3D DISTRIBUTION OF CARBONATE FACIES & DEPOSITIONAL ENVIRONMENTS

**FIELD TRIP
(5 DAYS)**

Course Description

The course focuses on the observation and characterization of the depositional facies and environments in different carbonate depositional settings.

The Southern Apennines offers the opportunity to observe, in spectacular quarries and outcrops, the 3D lateral variability of facies and characterize the carbonate depositional settings from the inner lagoon to the platform margin and slope to basin transition.

Carbonate units age spans from Cretaceous to Pliocene and depositional settings vary from wide attached platform to relatively small isolated platforms.

During the course there will be the opportunity to observe also the 3D variability of petrophysical properties and deformation and fracturing style.

Comparisons with subsurface examples in the region and in the Tethys will be used to help in better understand the impact of facies variability when characterizing a subsurface reservoir in similar types of units.

Particular emphasis will be given to the understanding of the uncertainties and impact of different data and input for the modelling of reservoir facies and properties at model scale.

Itinerary

Day 1 – Murge Foreland: typical facies associated to a Cretaceous wide inner lagoon

Day 2 – Matera high: facies associated to a Tertiary isolated platform

Day 3 – Gargano region: transition between a carbonate platform margin and carbonate slope and basinal depositional settings

Day 4 & 5 – Maiella Mountain: shallow water lagoonal carbonate facies, platform margin, slope & basinal carbonate facies and carbonate ramp depositional setting

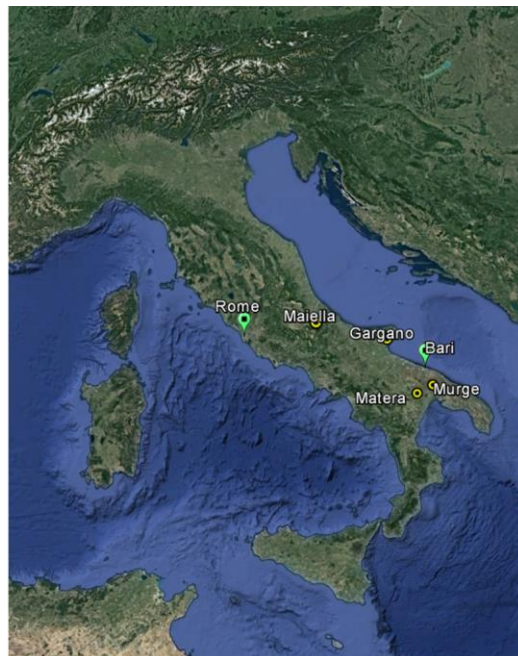
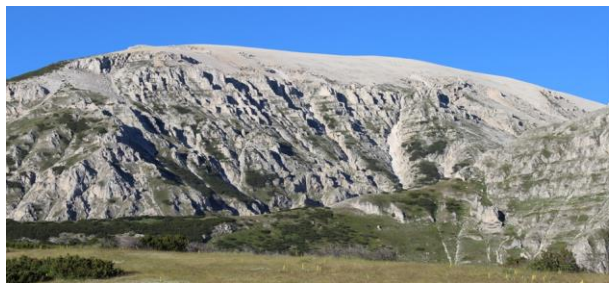
Participants

The course is designed for petroleum and production geologists, geomodellers, reservoir engineers and geophysicists working for the exploration, appraisal and development of carbonate reservoirs. Ideally, the components of a subsurface team would greatly benefit from participating together.

The minimum number of participants to run the course is 5.

Location

The course will be run in Southern and Central Italy. The course starts in Bari airport and ends at Rome Fiumicino L. Da Vinci airport.



for more information
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