avviso seminario da parte del Prof. Zattin

Submitted by Floris Mario on 20 aprile, 2018 - 17:43 Comunicazioni agli studenti

26 aprile alle 14.30 in aula 2M

ADA CASTELLUCCIO (Edison S.p.a.)

TECTONIC EVOLUTION AND HYDROCARBON PROSPECTIVITY OF THE EXTERNAL HELLENIDES THRUST AND FOLD BELT (WESTERN GREECE)

Hydrocarbon exploration in the Mediterranean region led to identify relevant hydrocarbon discoveries in the last few years. This had an important impact on the economic and energy policies of the Mediterranean Countries, leading some oil companies to focus on the Mediterranean area.

In addition, the discovery of West Katakolon oil and gas field, offshore Western Greece, renewed the interest in studying this area, still considered underexplored. Several wells have been drilled both onshore and offshore External Hellenides, few of them intercepting oil and gas shows/discoveries.

The External Hellenides, together with the Internal Hellenides are part of the Alpine orogenic system. The External Hellenides are formed by sub-parallel tectonic units, characterized by different tectono-stratigraphic features: Pindos Unit (the structurally highest unit), Gavrovo Unit and the outermost Ionian Zone.

The latter is formed by bacinal successions piled up in several west-verging thrust sheets. The Jurassic-Eocene carbonate deposits are considered the main targets and the ramp anticline the main structural traps. In this complex scenario, the understanding of trap deformation timing, distribution of reservoir rocks and prospect identification is essential for the evaluation of the hydrocarbon prospectivity of this area.

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