

CORE WORKSHOP

Coordination: DPEP (Divisão para a Pesquisa e Exploração de Petróleo)*

Presentation: J.M. Martins (DPEP) and C. Moita (DPEP)

Location: LNEG (Laboratório Nacional de Energia e Geologia)**- Rock Archive

Schedule: Tuesday 28th Sept. 2010, Morning (9-12h) OR Afternoon (14-17h)

The Core Workshop will start with a brief presentation of Lusitanian Basin's stratigraphy and its potential petroleum systems. This Workshop will address two main subjects:

i) Lithostratigraphic overview

Main geological formations (*sensu* Witt, 1977), representative of the Lusitanian Basin, will be showed in some of the well cores which resulted from hydrocarbon exploration; the succession of siliciclastic and carbonate facies reflects the evolution of the basin, with different source rocks and reservoirs.

ii) Jurassic Petroleum System

Torres Vedras region - Southern Lusitanian Basin - with numerous seeps and shallow wells with oil/gas shows reported, has been a target for hydrocarbon exploration since late 1940's. The cores to be displayed, from wells drilled in this region, will show the existence of a petroleum system where source, reservoir and seal rocks can be observed.



Cores from the Fracares wells drilled in the Torres Vedras region, showing strong oil impregnation in Montejunto Formation limestones.

• Petroleum Exploration & Production Division of the General Directorate of Energy and Geology (DGEG)

** National Energy and Geology Laboratory