



17 July
Lisboa

STRATI 2013

1st INTERNATIONAL CONGRESS ON STRATIGRAPHY



Post-Meeting Trip – [SFT-09](#)

TITLE: Stratigraphy and sequential correlations in the Lower Cretaceous around Lisbon

Leaders: Jacques Rey¹ & Paulo Caetano²

¹ Université Paul Sabatier, Toulouse, France

² Universidade Nova de Lisboa, Departamento de Ciências da Terra and CICEGe

For additional information please contact Paulo Caetano: pcsc@fct.unl.pt

DATES: Saturday, July 06th – Sunday, July 07th (two day field trip)

PRICE: 135 €

Number of participants: 20 to 40

SUMMARY:

During the Early Cretaceous, the Lusitanian Basin located on the Western Iberian Margin was characterized by a large variety of sedimentary deposits (siliciclastics, carbonates) and environments (from open distal platform to fluvial systems and palaeosols). It recorded the tectonic events linked to the first episodes of the northward propagation of the Atlantic opening and the cyclic variations of sea level at 2nd and 3rd order. The cliffs along the Atlantic coast near Lisbon where the sedimentary infilling is perfectly preserved will allow to analyze during this field trip the stratal, sedimentological, paleontological and geochemical patterns of depositional sequences during the interval Valanginian - Albian. The first day will be devoted to the series of the most marine environments, in the vicinity of Cascais. Deposits in more proximal situations - northward (Ericeira area) and southward (Espichel Cape) - will be observed the second day.

DAILY DESCRIPTION OF THE FIELD TRIP

Day one (Saturday, July 06th)

8:30 h – Depart from Lisbon

Coach trip from Lisbon to Cascais

9:30 – The depositional sequences of the Valanginian-Hauterivian in the Cascais area

Lunch in Cascais

14:30 - The depositional sequences of the Hauterivian-Aptian and Albian in the Cabo Raso – Praia do Guincho section

19 :30 – Estimated time of arrival at Lisbon

Overnight in Lisbon

Day two (Sunday, July 07th)

8:00 h – Depart from Lisbon

Coach trip from Lisbon to Ericeira

9:30 - The depositional sequences of the Valanginian - Barremian in the Ericeira area

Coach trip from Ericeira to Cabo Espichel

13 :30 - Lunch in Zambujal de Cima (near Cabo Espichel)

14 :30 - The depositional sequences of the Valanginian - Barremian in the Cabo Espichel area

19 :30 - Estimated time of arrival at Lisbon