



17 July
Lisboa

STRATI 2013

1st INTERNATIONAL CONGRESS ON STRATIGRAPHY



Post-Meeting Trip – [SFT-08](#)

TITLE: Upper Jurassic to Lowermost Cretaceous of the Lusitanian Basin - landscapes where dinosaurs walked

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DATES: Saturday, July 06th (one day field trip)

PRICE: 75 €

Maximum number of participants: 20 to 30

SUMMARY:

The fieldtrip aims to give a glimpse on the depositional palaeoenvironments, palaeontology and diagenesis of one of the most productive areas for Late Jurassic dinosaurs and other vertebrates in Europe, namely the Lourinhã Formation, which is coeval with the Morrison Fm., in the midwest USA. This one-day trip that unfolds from the North to the South, will focus on the vertebrate content, sedimentology and stratigraphy, starts in Consolação (Upper Kimmeridgian shallow marine) with the Abadia Fm. that underlies the Lourinhã Fm. After, we will travel to Paimogo, with a scenic view towards the Lourinhã Fm. The northern coastal cliffs exposes the Amoreira - Porto Novo Mb. (lower coastal plain alluvium with meandering fluvial channels; Late Kimmeridgian) and the Sobral Mb. to the South (lower coastal plain alluvium with three brackish-marine faunally distinct transgressive levels). In Paimogo, dinosaur eggs and a sauropod skeleton were found.

A stop in the Museum of Lourinhã allows to visit one of the most important collections of Late Jurassic vertebrates in Europe, and the last field trip stop focuses the Jurassic-Cretaceous transition at Porto da Calada.

DESCRIPTION OF THE FIELD TRIP

Saturday, July 06th

8:00 h - Depart from Lisbon

Coach trip from Lisbon to Consolação (South of Peniche)

9:30 – Consolação section (Kimmeridgian, mixed siliciclastic-carbonate, with the earlier record of dinosaurs from the area)

11:00 – Paimogo section (Kimmeridgian/Tithonian boundary, siliciclastic-dominated, dinosaur-rich series)

12:30 - Lunch in Casal da Murta, Lourinhã

14:00 - Visit to the Museum of Lourinhã (paleontology hall only)

17:00 - Porto da Calada section (J / K boundary, mixed siliciclastic-carbonate, with dinosaur occurrences)

19:30 – Estimated time of arrival at Lisbon