



17 July
Lisboa

STRATI 2013

1st INTERNATIONAL CONGRESS ON STRATIGRAPHY



Post-Meeting Trip – [SFT-06](#)

TITLE: The Lower Jurassic at Peniche (Lusitanian Basin). Recent advances in stratigraphy and sedimentary geology

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DATES: Saturday, July 6th (one day field trip)

PRICE: 80 €

Number of participants: 20 to 45

SUMMARY:

In the Lusitanian Basin (West-Central Portugal) the Lower Jurassic deposits are well exposed and dominated by carbonates. Framed by a beautiful and unique Atlantic coastal landscape, the Peniche Peninsula shows the most important and continuous section of the Lower Jurassic of Portugal, providing a record of around 20 million years of Portuguese geological history (Sinemurian to Toarcian). The importance of this site is testified by the large number of recent research activity, related to different domains of sedimentary geology and stratigraphy. This field-trip is focused in three main subjects of international scientific interest: a) the Sinemurian and Pliensbachian organic-rich deposits, one of the main hydrocarbon source potential interval of the west Iberian margin; b) the Pliensbachian-Toarcian boundary at Ponta do Trovão, a candidate to the Toarcian Global Boundary Stratotype Section and Point (GSSP); c) the early Toarcian oceanic anoxic event recorded at Abalo beach. All of these themes would be presented and evidenced by an integrated stratigraphic analysis, involving a large diversity of sedimentological, geochemical and palaeontological methodologies.

DESCRIPTION OF THE FIELD TRIP

Saturday, July 6th

8:30 h - Depart from Lisbon

Coach trip from Lisbon to Peniche

10:00 – Section at the Portinho da Areia do Norte beach (Sinemurian to Upper Pliensbachian)

12:00 – Lunch in Peniche

14:00 – The Upper Pliensbachian – Toarcian section at Ponta do Trovão (candidate to the Toarcian Global Stratotype Section and point – GSSP)

16:00 – The Toarcian anoxic event at Abalos beach

19:30 - Estimated time of arrival at Lisbon