



Estremoz **ES**
TED
Talks on Earth Dynamics



ES
TED

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Talks on Earth Dynamics





EsTED - what are they?

The beginning of this century marks an amazing and challenging period regarding the key processes that made the **EARTH** such a unique and **DYNAMIC PLANET**. New data, methodologies and models have sparked fresh new ideas... often... conflicting ones...

Unfortunately, as is common during scientific revolutions, the excitement of these debates between differing perspectives is not widely shared, either within the scientific community or in the educational system.

The **ESTREMOZ TALKS ON EARTH DYNAMICS (EsTED)** will be an annual three-day event held in Estremoz (central Portugal), providing time for **INFORMAL TALKS** among the researchers.

Through workshops and discussions, **EsTED** aims to foster the development of skills and ideas. It will also be a space where participants can benefit from the presence of world-class researchers, engaging in informal yet productive conversations - a genuine opportunity for real networking...



EsTED - what for?

The pressure to publish, especially among young researchers, along with the current evaluation system of research centers, leaves **LITTLE TIME FOR DEEP AND OPEN DISCUSSIONS** about new ideas on key topics in Earth Dynamics.

EsTED aims to become a meeting place for researchers, offering the time and environment to openly share ideas and experiences in a relaxed setting... and to consolidate concepts... a time to develop new ideas...





EsTED - where are they held?

For a special meeting like **EsTED**, a unique location is fitting - the Maltezas Convent, situated in the main square of Estremoz. This XVIth building is home to the **Centro Ciência Viva de Estremoz**, part of the national network of science centers.

Within its walls, an impressive array of interactive exhibits explains the key processes that make our planet dynamic. In the peaceful cloisters and inner garden, **EsTED** participants will have space not only for the invited talks, but also to sit, listen, walk, eat, or drink, all while sharing ideas, projects, experiences... or even dreams...





EsTED - who organizes?

The **EsTED** meetings will be organized by the:

- Centro Ciência Viva de Estremoz, science centre
- Institute of Earth Science research centre (ICT), joining Évora, Minho and Porto universities
- Geosciences Department of Évora University
- In every annual meeting two other research centres will be involved

The **EsTED** concept and coordination are by:



Isabel Leal Machado
Universidade de Évora
Centro Ciência Viva de Estremoz



Rui Dias
Instituto de Ciências da Terra
Universidade de Évora
Centro Ciência Viva de Estremoz

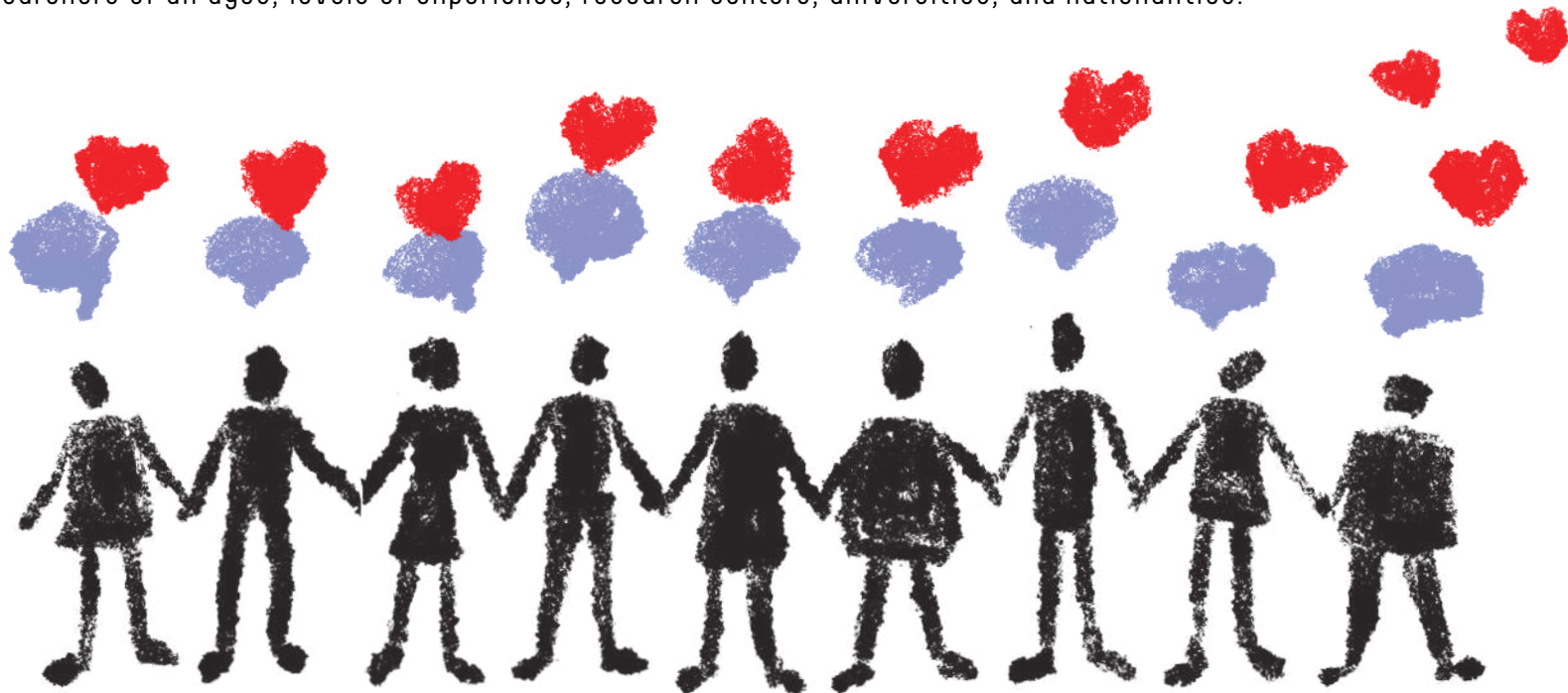




EsTED - who are they for?

EsTED is a meeting open to all researchers interested in discussing new ideas about the dynamics of our planet.

EsTED welcomes researchers of all ages, levels of experience, research centers, universities, and nationalities.





EsTED - how will it work?

The program for the three days of **EsTED** is very similar, except for the theme of each day.

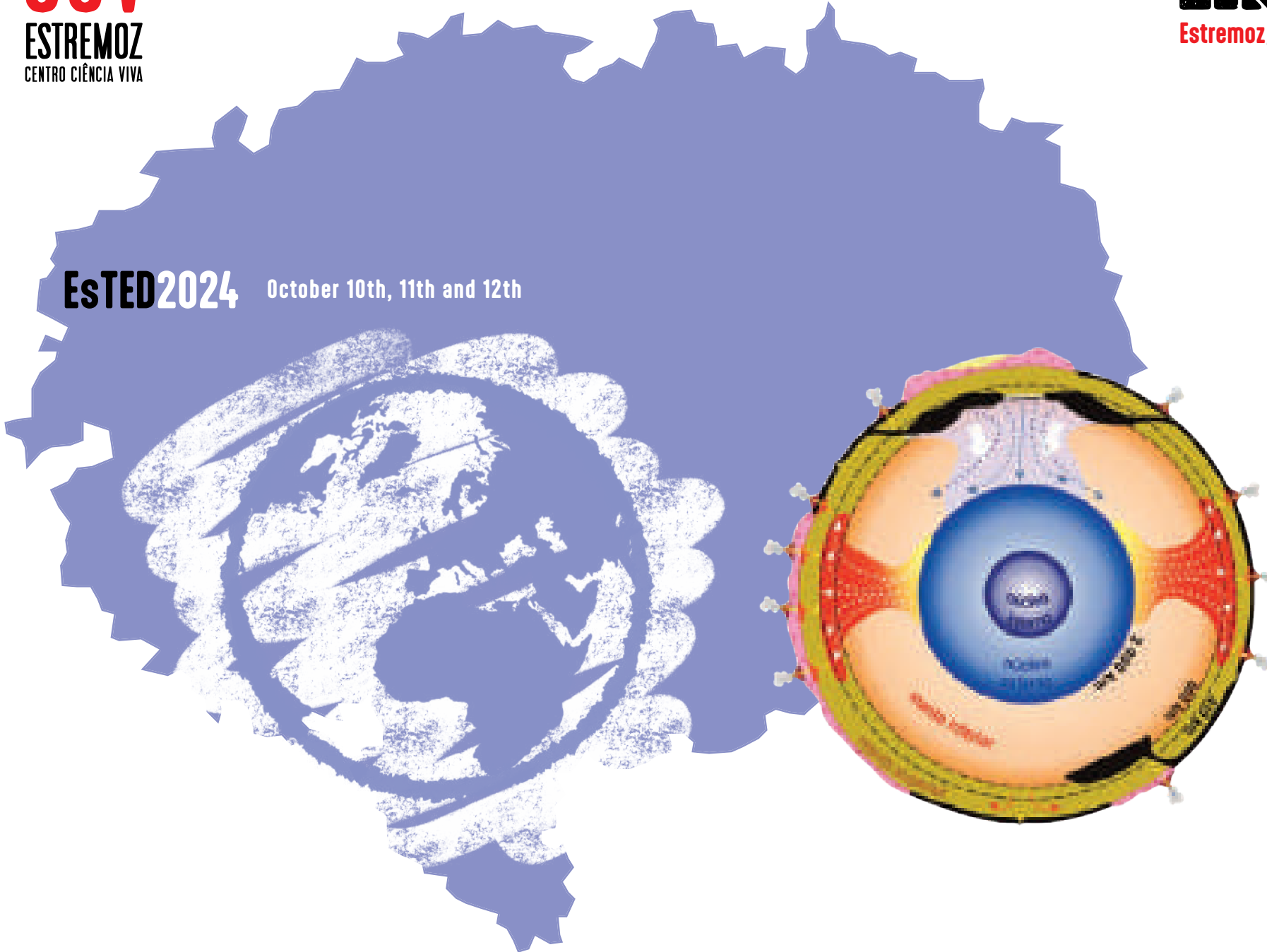
In the **MORNINGS**, participants are free to do as they wish and can take advantage of this time to **READ** papers related to the day's theme, which will be distributed at the opening of **EsTED**.

Keynote talks will take place at **SUNSET**.

At **SUNSET** is when the keynote talks take place.

and **AFTER DINNER**, there will be... informal **EsTED** conversations.

EsTED2024 October 10th, 11th and 12th



EsTED2024 October 10th, 11th and 12th

The **EsTED2024** will focus on groundbreaking topics in **GEODYNAMIC PROCESSES**. It will be an opportunity to talk to some of the world experts that have been working at the frontier and will share changes in the scientific approach to **EARTH DYNAMICS**.



EsTED2024 three research centres and three universities join forces



UNIVERSIDADE D
COIMBRA

UIDP/00073/2020
UIDB/00073/2020



**INSTITUTO
DOM LUIZ**

LA/P/0068/2020
UIDP/50019/2020
UIDB/50019/2020



UNIVERSIDADE
DE ÉVORA



UIDB/04683/2020
UIDP/04683/2020

Instituto de Ciências da Terra
Universidade de Évora
Centro Ciência Viva de Estremoz

who invites ?

EsTED2024 October 10th | 18:00- 19:30

PUZZLES IN PARADISE: THE UNEXPLORED DEPTHS OF STRUCTURAL GEOLOGY

Professor Cees Passchier

My main research interests are in all aspects of the kinematic analysis of deformed rocks: how to use geometric data from fabric elements in deformed rocks such as foliations, porphyroclasts, folds or boudins to obtain quantitative kinematic data on the progress of deformation.



Rui Dias

Instituto de Ciências da Terra
Universidade de Évora
Centro Ciência Viva de Estremoz



EsTED2024 October 10th

Practical seminars:

"From rocks to ideas - practical structural geology" by Cees Paschier

14:00-15:45

"From samples to stress fields - geometry and kinematics of structures" by Rui Dias

16:00-18:00



who invites ?

EsTED2024 October 11th | 18:00- 19:30

**MAKING MOUNTAINS:
THE ROLE OF METAMORPHIC PROCESSES IN ECONOMIC GEOLOGY**

Professor Clare Warren

Her research focusses on the evolution of mountain belts. She investigates rates, timescales and processes of element mobility, with a view to understanding how, where and when different elements concentrate or dilute in the crust.



Inês Pereira

Centro de Geociências
Universidade de Coimbra

centro de **geo**
ciências **UNIVERSIDADE DE
COIMBRA**

EsTED2024 October 11th

Practical seminars:

"LA ICP-MS - Geochronology and trace element geochemistry" by Inês Pereira

14:00-15:45

"Petrochronology: making sense of large datasets " by Clare Warren

16:00-18:00



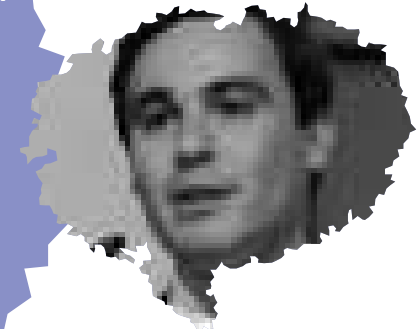
who invites ?

EsTED2024 October 12th | 18:00- 19:30

DEEP PROCESSES SHAPING THE EARTH

Professor Nicolas Coltice

I spend much of my time researching Mantle, Mantle convection, Geophysics, Plate tectonics and Lithosphere. My work spans a wide range of topics, including Supercontinents, Earth science and Archean.



João Duarte
Instituto Dom Luiz
Universidade de Lisboa



**INSTITUTO
DOM LUIZ**



EsTED2024 October 12h

Practical seminars:

"From nature to physical concepts to digital models" by Nicolas Coltice
14:00-15:45

"What can we learn from laboratory geodynamic models?" by João Duarte
16:00-18:00





EsTED- how can I get in?

Everything is waiting for you!!!

You only need to register...
and pay a small fee...
the places are limited to...
our capacity...

For further information, please visit:

<https://ccvestremoz.wixstudio.io/ested>

Register in ...

HERE





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