



## THEMATIC SESSION ON Emerging Geomaterials and Construction Ecology

### ORGANIZERS

Isabel Falorca, UBI, PT

### AIM AND SCOPE OF THE SESSION

Realizing the importance of the interdependence between built environment and ecosystem, it is worth noting that sustainable development calls for an ecosystem approach. This view helps to amend the single concern of reducing environmental impact of the three sectors of construction (buildings, infrastructure and industrial); as it boosts developing methods and processes in order to take into account the benefits provided by green infrastructure. Geotechnical engineering has a foremost role in embedding sustainability into current and future design practices. The TS01 session is intended to draw the attention of interested audience to the almost unexplored field of geosustainability in Geotechnics.

### RECOMMENDED (but not exclusive) TOPICS

- 1 - Application of recycled and alternative materials in geotechnical systems
- 2 - Efficient use of geosynthetics
- 3 - Sustainable ground improvement techniques
- 4 - Sustainable site characterization
- 5 - Reuse of existing and future geotechnical systems
- 6 - Energy geotechnics