Outcomes of TCS Multi-Scale Laboratories (WP16) Annual meeting, Barcelona, November 2018

Richard Wessels
WP16 coordinator,
Utrecht University,
The Netherlands

The EPOS TCS WP16 Multi-scale laboratories (MSL) represents a community of European solid Earth sciences laboratories including high temperature and pressure experimental facilities, electron microscopy, micro-beam analysis, analogue tectonic and geodynamic modelling, paleomagnetism, and analytical laboratories.

Participants and collaborating laboratories from Utrecht University, GFZ-Potsdam, Roma TRE University, INGV, NERC-BGS, Portsmouth University, CSIC-ICTJA, UZ-IGME, CNRS, LMU, C4G-UBI, ETH, IGG-CNR, University of Bern, NIGGG-BAS, and the University of Turin are organized in the TCS MSL. The purpose of the annual WP16 MSL meeting is to reflect on the achievements of the previous year, discuss challenges, set new targets and goals, and to strengthen the EPOS MSL community.

Over the course of three full days in late November 2018 a total of 31 participants visited the Institute of Earth Sciences Jaume Almera (ICTJA-CSIC) in Barcelona, Spain, to convene and discuss on a broad range of topics. This started off on Wednesday morning with the 4th meeting of the Consortium Board and was followed by the technical program, which included presentations on:

- Updates on the technical, legal, and financial front
- Update on the main topics from the EPOS IP 3rd Annual meeting
- Data citations, data standardization, repositories, persistent identifiers for physical samples
- Status of the subdomains in the MSL
- Parallel session with metadata workshops
- Trans-national access (lessons learned from the 2nd call, outlook on the 3rd call)
- Communication and community engagement
- Future plans and actions

The main outcomes of the technical program were the decision to go ahead with the third TNA call (due to be launched in Q1 of 2019), a workflow for inviting new laboratories to our community, exploring the options of integrating other subdomains in our TCS, and hands-
on progress on metadata schemas and data templates.

On Thursday evening the participants were guided through the old part of Barcelona by our host José-Luis, which was concluded by a social dinner at the infamous Fàbrica Moritz beer factory. On Saturday the die-hard geologists got the chance to enjoy themselves on a field geology excursion to the Salt Mountain of Cardona and pay a visit to the splendid peaks of Montserrat.

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