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**Management Committee (MC)  
and Working Group (WG) Meeting  
Granada (Spain), 9<sup>th</sup> – 11<sup>th</sup> October 2017**

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**Minutes**

**9<sup>th</sup> October 2017**

7:20            Field trip pick up at the Hotel

18:00-19:00    MC meeting

Christian Hensen explains the agenda for the coming two days.

**10<sup>th</sup> October 2017**

09:10-09:15    Christian Hensen: Welcome and overview

Christian Hensen welcomes all participants and especially the invited speakers, Marta Torres, Louis Géli and Yuji Sano. The additional invited speakers, Patricia Fryer and Margaret Boettcher are not able to attend but give their presentations via skype.

09:15-09:50    Patricia Fryer (invited, skype): Serpentinization and mud volcanism at convergent plate margins through geologic time

10:00-10:20    Paola Vannucchi: Where does the fault go? The accumulation of strain and slip in heterogeneous fault systems

10:30-10:50    Károly Hidas: Role of fluids in ductile strain localization in the shallow subcontinental lithospheric mantle

11:00-11:30    Posters and coffee

11:30-12:15    Louis Géli (invited): Understanding the relations between seismicity and fluid compressibility in submarine environments: learnings from two case studies, e.g. the Main Marmara Fault and the East Pacific transform faults

12:30-13:50    Lunch break

13:50-14:20    João Duarte: Subduction invasion in the Atlantic Ocean

- 14:30-14:45 Marc-André Gutscher: Investigating an active strike-slip fault 20 km from an urban center of 1 million people: the FOCUS project offshore Catania
- 14:50-15:30 Posters and coffee
- 15:30-16:15 Margaret Boettcher (invited, skype): Seismicity and Structure of Mid-Ocean Ridge Transform Faults- Insights from earthquakes, bathymetry, and numerical modelling
- 16:25-16:45 Eulàlia Gràcia: Seismic crisis reveals the growth of a fault system in the Alboran Sea
- 16:55-17:25 Pedro Terrinha: The PROPEL cruise (PROPagation of the Eurasia-Africa plate boundary), May-June 2017. Seismic images of the plate boundary across the Madeira-Tore Rise: tectonic, magmatic and mass wasting processes.
- 17:25-18:00 General discussion and wrap-up Christian Hensen

Christian Hensen wants to discuss the following issues:

- The FLOWS project ends on 24<sup>th</sup> February 2018. It was assumed that the project is running out of money, but meanwhile FLOWS received some budget top-up. Use of the remaining budget has to be planned:
  - Final workshop to wrap-up a FLOWS perspective paper.
  - Additional small meetings might be planned, e.g. for preparation of IODP-related activities
  - Additional STSMs can be proposed
- Short reported on the Training School in Hallsannery
- Publication status of FLOWS booklets by Sebastiano D'Amico. The draft will be sent to the co-authors after the meeting so that everybody can verify his part.

20:00 Conference Dinner

### **11<sup>th</sup> October 2017**

Mark Lever announces the talk of Yuji Sano, one of the invited speakers.

- 09:00-09:40 Yuji Sano (invited): Groundwater helium anomaly reflects strain change during the 2016 Kumamoto earthquake
- 09:45-09:55 Yama Tomonaga: Noble gas analysis of sediment pore fluids near a black smoker
- 10:00-10:25 Pierre Henry: A statistic approach to relationships between fluid emissions at the seafloor and faults zones
- 10:40-11:10 Posters and coffee
- 11:10-11:50 Marta Torres (invited): Geochemical changes in response to uplift and subsidence driven by subduction of the Cocos Ridge offshore Costa Rica
- 12:00-12:25 Matteo Lupi: Fluid flow and external forcing
- 12:30-12:50 Adriano Mazzini: The Lusi eruption site; insights from surface and subsurface investigations
- 12:55-13:15 Marcus Elvert: Carbon substrate injection and environmental conditions drive microbial life forms during fluid discharge: Cold seeps versus hydrothermal vents

13:30-14:15 Lunch

14:35-15:30 Plenum meeting

- FLOWS Training School in Hallsannery (Ewa)  
Ewa Burwicz-Galerie reports of the full success of the Training School in Hallsannery, North Devon (UK). Trainees from Europe, Pakistan, Australia and Canada participated. The first three days have been spent on a modelling workshop with exercises and the fourth day has been a workshop on a 1D model, calibration and source, rock maturity. The field trip was led by Ian Davison (structural geology of the North Devon coast).
- Reporting and FLOWS publications  
Christian Hensen asks everybody to send information regarding cruises, publications etc. for the final report. Everybody is requested to send input.
- FLOWS booklets (Sebastiano)  
Christian Hensen explains that Sebastiano sent the finalized booklet shortly before the meeting so that the chair and administrative project manager will first have to correct it and afterwards it will be sent to all co-authors for verification of their own contributions.
- Perspective paper and workshop in Lisbon, February 2018 (Christian)  
Christian Hensen informs about the feedback regarding the perspective paper received so far. The aim is to receive all inputs by the beginning of December before the meeting in February takes place.
- Christian Hensen explains that as soon as the remaining amount of money after the Granada meeting is known more precisely activities can be planned more detailed
- Paola Vannucchi reports of the status of ETN/ITN proposal.
  - EFFUSE proposal was not recommended for funding in 2017
  - Due to the political situation (Brexit) Paola Vannucchi will not be available to coordinate the resubmission
  - Options for a new coordinator are discussed; a decision will be taken soon after the end of the meeting
- Other possibilities for the continuation of the fruitful collaboration are discussed, e.g. follow-up COST projects.

16:00 End of the meeting