
Management Committee (MC)
and Working Group (WG) Meeting
Barcelona (Spain), 16th – 18th November 2016

Minutes

16th November 2016

8:00-15:30 Field trip

The field trip “A short field trip to discover Montserrat” is led by Lluís Ardàvol I Oró.

15:30 – 17:15 MC meeting

- **Welcome/Overview of the meeting**

Christian Hensen welcomes all participants to the MC and WG meeting of FLOWS and informs everybody about the topics of the meeting, which include also a planned ITN proposal lead by Paola Vannucchi.

- **Brief report of the writing proposal workshop**

Christian Hensen explains that the group was able to make some progress and he will submit a draft version of the FLOWS perspective paper within a couple of weeks. More input is needed from the FLOWS community, which will be asked step by step as the manuscript develops.

- **Budget issues, prolongation of FLOWS**

Christian Hensen reports about the available budget of the grant. The budget might not be sufficient for all planned activities after the training school in Brest (November 2016). Unfortunately, the status for the planned training school in Aveiro is not clear. Further plans meetings comprise a Dead Sea Workshop and a preparational meeting for IODP proposals. The budget issues need to be resolved as soon as possible as the budget period ends already on 30th April 2017.

Deniz Karaca declares that there is the possibility to receive a final action dissemination budget which can amount up to € 10,000. Six months before the end of the budget period a request should be submitted to COST. Christian Hensen asks Deniz about a possible prolongation of the project. Deniz Karaca replies that a prolongation of the project is possible for up to six months.

- **Miscellaneous**

MC agreed declares that the administrative project manager Astrid Ulbrich is a scientist representative of FLOWS.

17th November

09:00-12:30 Plenum meeting – report of planned and/or ongoing scientific activities by WG members; presentation of scientific highlights and future opportunities relevant to the FLOWS network; suggestions for collaborations among FLOWS members.

Christian Hensen points out that tomorrow there should be at least one person of each WG attending the ITN meeting.

Then the presentations of the different WGs start:

- **Presentations members of WG 1-3**

- João Duarte: The Gloria Fault: what we know and what we do not know
- Sara Martínez-Loriente: Morphostructure, tectono-sedimentary evolution and seismic potential of the Horseshoe Fault, SW Iberian Margin
- Christopher Schmidt: Numerical modelling study on the genesis of mud volcano fluids in the Gulf of Cadiz
- Eulàlia Gràcia: Unveiling the fault source of the January 25th 2016, Mw 6.4 earthquake (Alboran Sea) on the basis of seismological and geological data
- Hector Perea: Kinematic analysis of distributed strike-slip shear zone, reveal significant geohazard risk by secondary faults in the Alboran Sea
- Carmina Lopez Rodriguez: Fluids and sediments from mud volcanoes in the Alboran Sea.
- Marc-André Gutscher: An active dextral strike-slip TTPB (Transform Type Plate Boundary) offshore Eastern Sicily
- Alina Polonia: Segmentation of the Calabrian Arc subduction complex along Mesozoic transform faults.
- Paraskevi Nomikou: Active tectonics in the South Aegean Sea: PROTEUS seismic experiment
- Aris Karageorgis: Anomalous manganese contents in sediments of the North Aegean Sea
- Dimitris Sakellariou: Deformation in the North Aegean Trough

- Stephanie Dupré: Fluid emissions in the Sea of Marmara: distribution, controls and impacts
- Adriano Mazzini: A Climatic Trigger for the Giant Troll Pockmark Field in the Northern North Sea
- **Presentations by WG 4 members (e.g. dissemination, representation of FLOWS on relevant conferences/workshops, website presentation, STSMs, etc.)**
 - Sebastiano D'Amico: FLOWS booklets – status and plans
Sebastiano D'Amico was not able to attend the meeting.
Christian Hensen summarizes that Sebastiano D'Amico will send templates by the beginning of next year. Thus, he asks the participants to send information to Sebastiano D'Amico so he will be able to collect everything and work it out. Before that Sebastiano D'Amico will send an e-mail to everybody asking for detailed information.
 - Paola Vannucchi: Status of STSM activities
After the presentation of the status of activities Christian Hensen explains that FLOWS still can support STSMs within the current grant period.
 - Christian Hensen: GIMS conference, Tromsø, September 2016
Christian Hensen explains that the GIMS conference in Tromsø was successful and that he received a lot of input and the feedback was very good. He suggests continuing participations in dissemination meetings.

15:15-17:30 Plenum meeting

Current status of planned FLOWS activities:

- Training school at IFREMER, November 2016 – Christian Hensen
Christian Hensen announces that the first FLOWS training school “Detection of gas emissions using multibeam echo soundings” is in preparation and will take place at Ifremer from 21st-25th November 2016.
- Training school in Aveiro, March 2017 – Luis Pinheiro
Christian Hensen explains that Luis Pinheiro asks for some contributions to the training school in Aveiro from 27th-31st March 2017 (originally planned for 20th-24th March 2017).
Christian Hensen suggests start planning the training school in Aveiro soon. The deadline should be 30th November 2016 to receive answers of everybody regarding the contribution to the training school.
- Training school at IGI (Hallsannery, Devon), May 2017 – Marianne Nuzzo
Marianne Nuzzo explains that the training school at Hallsannery will take place from 9th-13th May 2017. The trainers to be invited will be Ewa Burwicz-Galerie, Heinrich Villinger, Tiago Cunha (of IGI) and Marianne Nuzzo. The following speakers shall be invited: Dan Davison (Earthworks) and Tiago

Alves (Cardiff University). There should take part a max. amount of 18 trainees. The total expenditure is estimated to € 18,974.

Christian Hensen adds that this training school will be planned for the next budget period.

- Current status of planned FLOWS activities:
 - IODP workshop? / IODP proposal(s) – Heiner Villinger
Heinrich Villinger explains that it would be highly interesting for the FLOWS group to work on an IDOP drilling proposal. The next deadline for proposal submission is April 2017.
Marc-André Gutscher explains that it could be realistic to submit a proposal by 1st October 2017 or 1st April 2018 only.
Christian Hensen suggests that FLOWS members interested in writing an IODP proposal could gather in a preparatory meeting.
 - Dead-sea workshop?!
(postponed to the next day)
 - Status of ITN proposal – Paola Vannucchi
Paola Vannucchi explains the status of the ITN proposal, which will still be discussed the next day, on 18th November 2016.
 - Miscellaneous (further meetings, workshops, etc.)
(postponed to the next day)

Christian Hensen points out that the next day, on 18th November 2016 he would like to talk about the FLOWS objectives. He will have to send a report as changes have been made in the e-COST system regarding the output of FLOWS. Deliverables will have to be uploaded. Therefore, Christian Hensen asks for input and that the next day all will have to go through this program to find the objective what FLOWS intends to do.

18:30-20:00 Dinner at the “Maritime Museum” (*The Royal Shipyard build in the XIII century*)

18th November

09:15-10:00 Plenum meeting

Continue discussion topics from previous day

(Postponed from 17th November):

- *Dead-sea workshop?!*

The dead sea workshop should be realized by the beginning of next year.

- *Miscellaneous (further meetings, workshops, etc.)*

Christian Hensen starts with the explanation that there won't be taken any decision regarding additional workshops and meetings etc. As long as there is no knowledge about the exact budget. Yama Tomonaga suggests the topic "gas monitoring" as there is a hot spot in the Kumamoto area. Christian Hensen adds that coordination of gas measurements with seismicity would be interesting to check and he would be glad if Yama Tomonaga could substantiate this activity. FLOWS should try to find out whether an STSM to Japan would be possible.

Future activities:

- Discuss final report and necessary deliverables

Deliverables of FLOWS need to be set-up in e-COST. It would be favourable to collect information about: a) participation at how many cruises, b) monitoring, c) published papers, d) presentations given plus indication of venue (not only organised by FLOWS but in general) etc.

Stéphanie Dupré declares that Ifremer disposes of a data base where all data is collected, e.g. cruises' data. Christian Hensen adds that the WG leaders should collect what has been done in the WGs so far.

- Follow-up COST initiatives?

Christian Hensen poses the question if FLOWS should write a proposal for a new initiative.

Rafael Bartolomé suggests Horizon 2020, but there are no calls with a suitable topic. Hence, lobbying would be required.

Christian Hensen suggests to prepare a one to two page document with a focus on what FLOWS is doing, what the community is about etc. He would need some support of the members in order to develop the context.

- Final meeting in Granada (Autumn 2017)

Christian Hensen announces that the next and final meeting will be held in Granada, mid to end of October 2017. This meeting will be the occasion for a final wrap-up of the FLOWS project. Again there will be a field trip. This time the meeting should rather have a conference type. Thus, external speakers should be invited.

Carlos Garrido agrees with the dates in October and adds that the meeting dates should be fixed at early spring the latest. He prefers to arrange for the meeting in the second half of October.

Christian Hensen proposes to have at least two conference days with presentations and to have a poster session on one day – which was not on any agenda so far.

Christian Hensen finalizes that some experts, e.g. from the US should be invited.

10:00 End of the meeting

10:00-13:00 Wrap-up meeting by the ITN planning group