

---

**Management Committee (MC)**  
**and Working Group (WG) Meeting**  
**Faro (Portugal), 30<sup>th</sup> September 2015 - 2<sup>nd</sup> October 2015**

---

**Minutes**

**29<sup>th</sup> September 2015**

Arrival

18:30 – 19:00 Informal meeting, field trip preparation

**30<sup>th</sup> September 2015**

**8:00-18:30 Field trip**

The field trip “Fluid flow in carbonates in the Pliensbachian (Lower Jurassic) of the Algarve Basin, South Portugal – The Belixe and Cape St. Vicente outcrops” is conducted by Pedro Terrinha.

**18:30 – 19:15 MC meeting**

- **Welcome/Overview**

Christian Hensen welcomes all participants to the 4<sup>th</sup> MC and WG meeting of FLOWS and informs everybody of the budget for the next period which will be more or less € 100,000.-.

- **Briefly discuss topics of the workshop**

Christian Hensen explains that he would like to discuss ITN on 2<sup>nd</sup> October 2015. On 1<sup>st</sup> October he would like to talk about the WG 4 dissemination as well as the STSM budget; there should be organized exchange programmes this or next year.

Heinrich Villinger would like to know how the presentations on 1<sup>st</sup> October will be organized.

Christian Hensen proposes to start with WG 1 (Pierre Henry) and to continue with WG 2 (Luis Batista, Vitor Magalhães, Mark Schmidt and Clara Sena). After that he would like to listen to the presentations of WG 3 (Sonja Geilert, Yama Tomonaga, Marcus Elvert, Mark Lever, Alina Polonia, Matteo Lupi etc.). Each group should have 45 minutes to talk.

- **Overview**

Christian Hensen encourages everybody to think about sending FLOWS members to specific meetings. This should be a main topic. He suggests also continuing the website; it is a big issue to keep it up-to-date. Therefore all details should be discussed.

- **Plans for 2016**

*-Postponed to the 2nd of October 2015-*

- **Report of the writing proposal workshop**

*-Postponed to the 1st of October 2015-*

### **1<sup>st</sup> October 2015**

#### **9:00 – 10:30 Plenum meeting**

**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**

- **Presentations by WG 1 members**

**Presentation by Matteo Lupi: “Effects of earthquakes on geological processes”  
(Université de Genève)**

**Presentation by Alina Polonia: “Shaken and stirred sediments (prospective on future activities)”**

**Presentation of Luis Matias: Marmara Sea movie about micro seismicity  
(three-dimensional layers of earth)**

**Presentation by Pierre Henry: “Mapping water column echoes with EM302 (Dupré et al., 2015)”**

**Presentation by Heiner Villinger: FLUM (Fluid Fluxes and Mn Modules)  
SO 240, 4<sup>th</sup> May – 15<sup>th</sup> June 2015**

#### **11:00 – 12:30 Continuation of the plenum meeting – report of working groups**

- **Presentations by WG 2 members**

**Presentation by Marc-André Gutscher: Strike-slip faults off the East Sicily Margin (Ionian Sea)**

**Presentation by Luís Filipe Batista: “Crustal structure of the Nubia-Eurasia plate boundary across the Gloria Fault fracture zone segment”**

- **Presentations by WG 3 members**

**Presentation by Vitor Magalhães: “PES projet: Pockmarks and fluid seepage in the Estremadura Spur: implications for regional geology, biology and petroleum systems”**

**Presentation by Clara Cena: “IODP Expedition 351 – Izu-Bonin-Mariana (IBM) Arc Origins”**

**Presentation by Sonja Geilert: “Research cruise (SO 241) to the Guaymas Basin, Gulf of California”  
– early opening rifting environment**

**Presentation by Yama Tomonaga: “Why do we have fluid emission” – study site: Nankai Trough off Kumano (Japan)**

**Presentation by Aris Karageorgis: “Project: Aegian Explorations” – HCMR in collaboration with another institution**

**Presentation by Mark Lever: “Guyamas Basin (SONNE cruise)”**

#### **15:00 – 16:00 Plenum meeting**

- **Presentations by WG 4 members (needs for improved dissemination, representation of FLOWS on relevant conferences/workshops, website presentation, STSMs, etc.)**

#### **STSMs/Website presentation**

Christian Hensen explains the current status of the STSMs.

There were several STSMs approved which activities are linked to FLOWS. However there is the possibility to approve more STSMs. Thus, more submissions should be forwarded. Moreover those who submitted an STSM should be invited to FLOWS meetings.

Christian Hensen explains that he and Christopher Schmidt are working on the website presentation. Someone suggests putting “STSM” as a header instead of leaving it under “join”. It could then appear the following order: “Home – Join – STSM – Organisation”.

#### **Report of the writing proposal workshop, 28<sup>th</sup> – 29<sup>th</sup> September 2015 (postponed from 29th September 2015)**

Christian Hensen reports that the idea of the writing workshop is the overview and review of a certain paper which aims to strengthen FLOWS network and generate publicity for FLOWS.

The participants to the writing workshop were: Markus Elvert, Christian, Hensen, Mark Lever, Pedro Terrinha and Paola Vannucchi.

The status is that the participants to the writing workshop summarized and re-identified the key goals and they collected topics to be addressed by various disciplines. A prospective paper should be written, like in a journal “Frontiers in Earth Sciences”.

The next steps will be: 1) to distribute a draft outline and workshop summary to selected FLOWS members asking for input until 1<sup>st</sup> December 2015; 2) to create a draft from input until January 2016; to discuss a manuscript on a 2<sup>nd</sup> writing workshop around spring 2016.

**16:30 – 18:00 Plenum meeting**

- **Next phase of FLOWS: continue discussion to apply for *MARIE SKLODOWSKA-CURIE* INNOVATIVE TRAINING NETWORK (ETN/ITN)**

Christian Hensen would like to know whether there is still interest in an ITN. He adds that there doesn't exist any full support for such a project and there is a need of manpower to work at it. He believes that a common topic is necessary and suggests to wrap up things and put them together the next day, on 2<sup>nd</sup> October 2015.

**2<sup>nd</sup> October 2015**

Christian Hensen asks where the next MC/WG meetings could take place. There is still the offer of Eulàlia Gràcia to have the next autumn meeting in Barcelona, maybe in September or October. It should be fixed around February 2016.

The next spring meeting should take place in February or March 2016. A potential host is not decided yet.

Aris Karageorgis proposes to act as the next host as he would have an idea about two places to go in Greece.

Christian Hensen likes this idea and thinks that Kiel might not be attractive, otherwise he would propose to meet there. Mark Lever induces not to have the next meeting around Easter; maybe before Easter would be more appropriate.

Christian Hensen explains that there were given suggestions for additional meetings and workshops:

- Writing workshop together with a MC/WG meeting, February/March 2016
- Meeting on IODP proposal, June 2016?

Christian Hensen adds that these dates need to be fixed early in order to consider them in the budget plan.

Heiner Villinger believes that the collection of all topics would be a good idea in order to prepare a proposal. This might however be difficult until next February.

Pedro Terrinha means that national proposals should serve as a preparation for the common proposal. This could be done via e-mail.

Heiner Villinger remembers that at the occasion of the Athens meeting Marianne Nuzzo had proposed a geochemical modelling together with her company.

Christian Hensen explains that Marianne Nuzzo is not going to give a modelling workshop but she is willing to act as a host. Christian Hensen urges the need to find out who would like to give a contribution until 2016 or 2017. It needs to be advertised as it serves for the students and not for the FLOWS community.

Suggestions for a training school on numerical modeling are discussed: date/place: 2017 in Devon potential members/organizers: Jason Morgan, Clara Sena, Marianne Nuzzo, Christian Hensen

### **Presentation by Luís Pinheiro**

Luís Pinheiro suggests another TS on shallow submarine gas accumulation and seepage:

date/place: summer 2016, Rio Aveiro, Aveiro

potential members/organizers: Luís Pinheiro, Clara Sena, Mark Schmidt, Mark Lever, Matteo Lupi and others.

#### **11:10 – 11:35 Plenum meeting**

- **Report of WGs to the Plenum**
- **Decisions**
- **Define tasks for the upcoming months**

Christian Hensen summarizes the additional meetings and workshops:

- Writing workshop (CG), February/March 2016
- Meeting on IODP proposal (FLOWS perspectives), early summer 2016
- Training school on modelling concepts, in Devon in 2017: Jason Morgan, Clara Sena, Marianne Nuzzo, Christian Hensen
- Training school on shallow gas seepage, in Aveiro in summer 2016: Luís Pinheiro, Clara Sena, Mark Schmidt, Mark Lever, Matteo Lupi and others

Christian Hensen asks Luís Pinheiro if 20 participants would be feasible.

Luís Pinheiro affirms.

Thus Christian Hensen proposes one lecture and three participants. Details can be looked up in the COST Vademecum.

Luís Pinheiro explains that the deformations can also be seen in the city.

Pierre Henry also suggests an additional meeting: a training school on sonar data evaluation at Ifremer: Pierre Henry and Luís Matias, end 2016.

*Postponed from 1<sup>st</sup> October 2015, 16:30 – 18:00 Plenum meeting:*

- **Develop ideas for ITN project proposal**
  1. **Topics**
  2. **Working areas**
  3. **Collaboration partners (academia, industry)**
- **Continue ETN/ITN discussion**

Christian Hensen explains if the groups are too big the ITNs need to be split in two proposals. It would be a goal to have the draft ready by the next meeting. There doesn't exist any other suitable calls where the community would fit in with the FLOWS topics.

Mark Lever believes that one single person should push forward the ITN idea.

Paola Vannucchi prefers to communicate by e-mail and to enlarge upon the ideas at the occasion of the next meeting. Details should be discussed then. She believes that there exist too many ideas at the moment.

Mark Lever agrees that there shouldn't all be done at once. Maybe the next meeting would be a good idea.

Christian Hensen encourages everybody to think about ITN in order to be able to proceed next year.

**11:35 End of the meeting**