

2016 ORFEUS Observatory Coordination Meeting

Recent developments within ORFEUS and forthcoming activities

Network and Data Centre operations

AASN - AlpArray Seismic Network

*Mobile Seismic Pools (MSP) and
Ocean Bottom Seismometers parks (OBS) coordination*

Tuesday 25 - Friday 28 October 2016

Hotel Neptune, Kardinala Stepinca 31

Dubrovnik, 20000, Croatia

<http://www.hotelneptundubrovnik.com/>

Local organizer on behalf of ORFEUS:

Croatian Seismological Survey (CSS)

Department of Geophysics, Faculty of Sciences

University of Zagreb

Organizing committee: Kresimir Kuk, Ivo Allegretti, Lucia Luzi, Angelo Strollo, Reinoud Sleeman, Alberto Michelini, John Clinton, Jordi Diaz, Wayne Crawford

This workshop is combined with an EPOS-WG8 meeting on OBS and MSP coordination.

This workshop is sponsored by ORFEUS and EPOS.

Orfeus

EPOS
EUROPEAN PLATE OBSERVING SYSTEM

Agenda (Version of 17.10.2016)

Day 1: **Tuesday** 25.10.2016 (12:00 - 17:45)

Registration 12:00 - 13:30

Opening - CSS and ORFEUS session (13:30 - 15:00) - Chair: Ivo Allegretti

- 13:30 - 13:50 Opening - Kresimir Kuk and Alberto Michelini
- 13:50 - 14:20 Seismology at CSS - Kresimir Kuk
- 14:20 - 15:00 ORFEUS status and future plans - Alberto Michelini

Coffee break 15:00 - 15:30

Seismic Networks (focus on the Balkans) (15:30 - 17:45) - Chair: Reinoud Sleeman

- 15:30 - 15:45 Greece/NOAIG - Christos Evangelidis
- 15:45 - 16:00 Romania/NIEP - Cristian Neagoe
- 16:00 - 16:15 Serbia - Dejan Dragojevic
- 16:15 - 16:30 Slovenia - Jurij Pahor
- 16:30 - 16:45 Kosovo - Mustafa Shemsi
- 16:45 - 17:00 Albania - Llambro Duni
- 17:00 - 17:15 Macedonia - Dragana Cernih
- 17:15 - 17:30 Iran – Mehdi Zare
- 17:30 - 17:45 Palestine - Ayman Mohsen / Hatim Alwahsh

Day 2: **Wednesday** 26.10.2016 (09:00 - 17:30) - Poster sessions running the entire day

Ongoing activities within EPOS and ORFEUS (09:00 - 12:30) - Chair: Alberto Michelini

- 09:00 - 09:30 EPOS-S status and future plans - Florian Haslinger
- 09:30 - 09:50 The European Integrated Data Archive (EIDA) - Angelo Strollo
- 09:50 - 10:10 EIDA Next Generation Services - Luca Trani / Javier Quinteros
- 10:10 - 10:30 FDSN-ORFEUS coordination: MSEED and QC – Reinoud Sleeman

Coffee break 10:30 - 11:00

- 11:00 - 11:20 Data model extension - Philipp Kaestli
- 11:20 - 11:40 RRSN & StationBook - Reinoud Sleeman
- 11:40 - 12:00 ESM - Lucia Luzi
- 12:00 - 12:30 Open discussion

Lunch break 12:30 - 14:00

AlpArray Seismic Network (AASN; part 1) 14:00 - 17:30 - Chair: Angelo Strollo

- 14:00 - 14:30 AASN status: science and deployment - Irene Molinari
- 14:30 - 15:00 AASN best practice for network operators - John Clinton
- 15:00 - 15:20 AASN deployment in Italy - Aladino Govoni

Coffee break 15:20 - 15:50

- 15:50 - 16:10 AASN deployment in Bosnia-Herz./Rep. Srpska - Vesna Sipka
- 16:10 - 16:30 AASN deployment in Hungary - Balint Sule
- 16:30 - 16:50 AASN deployment in Czech Republic - Ludek Vecsey
- 16:50 - 17:10 AASN deployment in Croatia - Marijan Herak
- 17:10 - 17:30 AlpArray seismic network in France: current status, data availability and quality - Glenn Cougoulat

Day 3: Thursday 27.10.2016 (09:00 - 16:30) - Poster sessions running the entire day
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Using data from the AlpArray Seismic Network (part 2) 09:00 - 12:30 - Chair: Reinoud Sleeman

- 09:00 - 09:30 Data Access for AlpArray - John Clinton
- 09:30 - 10:00 EIDA QC tools demonstration - Mathijs Koymans
- 10:00 - 10:30 Using the ORFEUS station book for AlpArray - Irene Molinari

Coffee break 10:30 - 11:00

- 11:00 - 11:30 An earthquake catalogue for the greater Alpine region - John Clinton
- 11:30 - 12:00 AlpArray and EIDA from data supplier and data user perspective - Florian Fuchs
- 12:00 - 12:30 Open discussion - moderators: John Clinton / Irene Molinari

12:30 - 14:00 Lunch break

Mobile Seismic Pools (MSP) and Ocean Bottom Seismometers parks (OBS): current status, future plans and integration in EPOS (14:00 - 16:30) - Chair: Alberto Michelini

- 14:00 - 14:30 The European Mobile Seismic Pools: how many and where ? - Jordi Diaz
- 14:30 - 15:00 European Marine Seismology: the present and future - Wayne Crawford
- 15:00 - 15:30 Open discussion on OBS, MSP and data integration in EPOS - moderators: Wayne Crawford / Jordi Diaz

15:30 - 16:00 Coffee break

16:00 - 16:30 Final summary of the ORFEUS observatory meeting - Angelo Strollo / Reinoud Sleeman / John Clinton

Day 4: Friday 28.10.2016 (09:00 - 16:00)

Parallel sessions in the morning, joint plenary session on the afternoon

MSP community coordination (Session A - part 1) 09:00 - 10:40

- 09:00 - 09:20 The IberArray broad-band seismic network: a review of the main scientific results - J. Diaz
- 09:20 - 09:40 Recent activity of GFZ pool - Christian Haberland
- 09:40 - 10:00 Recent activities of Sismob pool - Florent Brenguier
- 10:00 - 10:20 Recent activities of Seis-UK pools - Victoria Lane
- 10:20 - 10:40 Discussion

Coffee break 10:40 - 11:10

MSP community coordination (Session A - part 2) 11:10 - 12:40

- 11:10 - 11:40 Technical issues related to the distribution of MSP data - David Wolyniec / Pierre Volcke
- 11:40 - 12:10 SEIS-UK: Best practice field documentation - Victoria Lane
- 12:10 - 12:40 Open discussion: Large-N nodes and the future of MSP deployments - moderator: Jordi Diaz

OBS community coordination (Session B – part 1) 09:00 - 10:40

- 09:00 - 09:20 Introduction – Wayne Crawford
- 09:20 - 09:40 Existing/recent collaboration between OBS facilities – Antonio Pazos
- 09:40 - 10:00 German OBS experiments and developments – Mechita Schmidt Aursch
- 10:00 - 10:20 Poland: deep seismic sounding, equipment pool and current plans - Tomasz Janik
- 10:20 - 10:40 The Inaugural broadband ocean bottom seismic experiments for the UK: the VOILA and PILAB/EUTOLAB experiments - Nicolas Harmon

Coffee break 10:40 - 11:10

OBS community coordination (Session B - part 2) 11:10 - 12:40

- 11:10 - 11:30 Hydroacoustic measurements for seismology – Jean-Yves Royer
- 11:30 - 11:50 MUG-OBS: a new approach to seafloor seismological observatories – Yann Hello
- 11:50 - 12:10 Short presentations on other parks/projects – All
- 12:10 – 12:25 A strawman proposal for OBS data/metadata preparation – Wayne Crawford
- 12:25 – 12:40 Discussion on the need for collaboration and data sharing – All

12:40 - 14:00 Lunch break

Plenary MSP and OBS coordination 14:00 - 16:00

- Open discussion - OBS and MSP communities