

EPOS TCS AH Anthropogenic hazards WP14 Annual, CA meeting, and Scientific workshop

INGV May 7-9, 2019 | Pisa, Italy

General information:

- Organized by:** Istituto Nazionale di Geofisica e Vulcanologia,
Sezione di Pisa (Italy)
- Venue:** **Palazzo del Consiglio dei Dodici**
- Address:** Piazza dei Cavalieri, 1, 56126 Pisa, Italy
<https://goo.gl/maps/ATxcfA3EhTw>
- Contacts:**
- | | |
|---------------------|-------------------------------|
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| Raffaella Pignolo | (raffaella.pignolo@ingv.it) |
| Gilberto Saccorotti | (gilberto.saccorotti@ingv.it) |

Registration
form →

<https://forms.gle/SNV811VMnHkwFxY37>

Synthetic Programme

May 6 (18:00-)

Icebreaking (Location TBD)

May 7 (09:00 – 18:00)

EPOS-IP WP14 annual meeting

Expected participants: EPOS-IP members.

May 8 (09:00 - 17:00)

EPOS TCS AH Consortium meeting

Expected participants: EPOS-IP members,
Partners from outside EPOS-IP (academic,
industrial)

May 9 (09:00 – 18:30)

Anthropogenic hazards scientific workshop

Expected participants: EPOS-IP members,
Partners from outside EPOS-IP (academic,
industrial, professionals, students, etc)

See the detailed programme in the following pages

EPOS | WP14 Annual meeting

May 7, 2019 | Pisa, Italy

Venue: Palazzo del Consiglio dei Dodici

Address: Piazza dei Cavalieri, 1, 56126 Pisa, Italy

<https://goo.gl/maps/ATxcfA3EhTw>

Detailed Programme

09:00 | 09:30 Opening remarks - Beata Orlecka-Sikora

Session I: summary of the Project – Task Leaders' Reports containing following information:
what was planned
what has been done, what has not/what has changed
lessons learnt and plans

09:30 | 10:00 Task 14.2 Glenda Jones
10:00 | 10:30 Task 14.3 Mariusz Sterzel
10:30 | 11:00 Task 14.4 Grzegorz Kwiatek
11:00 | 11:30 *Coffee break*

11:30 | 12:00 Task 14.5 Jean Robert-Grasso
12:00 | 12:30 Task 14.6 Stanisław Lasocki
12:30 | 13:00 Task 14.7 Alexander Garcia
13:00 | 14:00 *Lunch*

Session II: summary of the Project – Working Groups Reports containing following information:
what was planned
what has been done, what has not/what has changed
lessons learnt and plans

14:00 | 14:30 Working Group Data Policy and IPR – Savka Dineva
14:30 | 14:45 Vocabulary Task Force – Grzegorz Lizurek
14:45 | 15:00 User Feedback Group – Elena Kozlovskaya
15:00 | 15:30 Platform Polishing Group – Jannes Kinscher
15:30 | 16:00 *Coffee break*

Session III: summary of the Project - eNodes Reports containing following information:
what was planned
what has been done, what has not/what has changed
lessons learnt and plans

16:00 | 16:30 CDGP-EOST/France – Marc Schaming
16:30 | 17:00 IG PAS – Paweł Urban
17:00 | 18:00 Closing remarks – Beata Orlecka-Sikora

20:00 *Social dinner*

EPOS | TCS AH Consortium meeting

May 8, 2018 | Pisa, Italy

Venue: Palazzo del Consiglio dei Dodici

Address: Piazza dei Cavalieri, 1, 56126 Pisa, Italy

<https://goo.gl/maps/ATxcfA3EhTw>

Detailed Programme

- 09:00 | 11:00 **Session I: Introduction**
- 09:00 | 09:30 Last update on EPOS – Massimo Cocco
09:30 | 10:00 Introduction to TCS AH Consortium – Beata Orlecka-Sikora
10:30 | 11:00 Presentation of Partners from outside EPOS IP Project
- 11:00 | 11:30 *Coffee break*
- 11:30 | 12:00 Communication & Stakeholder Engagement (G. Jones, U. Keele, UK)
- 12:00 | 13:00 **Session II:**
- Rules of operation of TCS AH Consortium and decision making
Appointment of TCS AH Board, Innovation Advisory Committee
Approval of TCS AH Director
Approval of Hosting Organization
- 13:00 | 14:00 *Lunch*
- 14:00 | 15:00 **Session II (continued):**
- 15:00 | 17:00 **Session III: Appointment of TCS AH Consortium Sections; acceptance of work programs and financial plans**
- a) Section for implementation of TCS AH Services
b) Section for episodes integration and application implementation
c) Section for promotion and dissemination
d) Section for projects & partnership
- 17:00 **Closing remarks**
 Director of TCS AH Consortium

EPOS AH Scientific Workshop

May 9, 2019 | Pisa, Italy

Venue: Palazzo del Consiglio dei Dodici
Address: Piazza dei Cavalieri, 1, 56126 Pisa PI
<https://goo.gl/maps/ATxcfA3EhTw>

Detailed Programme

08:30 | 09:00 Arrival of participants, registration.

09:00 | 09:10 Introduction to the workshop (G. Saccorotti, INGV, Italy)

09:10 | 09:40 **Andrea Morelli (INGV, Italy)**
Opening lecture on “**Monitoring induced Seismicity in Italy**”

Session I (09:40 | 11:00): Overview of data episodes: Status and availability

09:40 | 10:20 **J.R. Grasso (ISterre Grenoble, France)**
Status of Episodes available in AH-EPOS (episodes, data, quality of data, embargoes). Focus on: **Lacq** (conventional gas recovery + waste water disposal); **Monteynard** (reservoir impoundment, compound shocks); **Vouglans** ("classic" reservoir impoundment); Gazli (3M7, in the near field but a weak pore pressure drop and the role of a huge reservoir drying), and on going work on episode ready for falls 19.

10:20 | 10:40 **Marc Schaming**
Status of episodes available in Data Center for Deep Geothermal Energy (CDGP) local center and their availability in TCS-AH

10:40 | 11:00 **Yuzhno-Sakhalinsk (IMGG, Russia)** -with J.R.Grasso.
Neftegorsk, Mw7, 1995, Sakhalin Island, Russia: conventional gas production

11:00 | 11:30 **Coffee break**

Session II (11:30 | 17:30): Tools, methods, data analysis

11:30 | 11:50 **Jouni Nevalainen (U. Oulu, Finland)**
Analysis of Pyhäsalmi mine Episode using EPOS AH platform and user feedback results

11:50 | 12:10 **N. Piana (U. Wien, Austria)**
Exploiting induced seismicity for monitoring mines: Garpenberg case-study and future perspective

12:10 | 12:30 **G. Mutke (GIG, Poland)**
Combined observations of translational and rotational motion from induced and triggered seismicity in Upper Silesia

12:30 – 12:50 P. Roselli (INGV, Italy)
Non-Double-Couple Sources in Episodes of Val D'Agri (Italy)

12:50 | 14:00 Lunch

14:00 | 14:20 L. Zaccarelli (INGV, Italy), with A. Berbellini, L. faenza, A. Morelli.
Noise-based monitoring of industrial activities

14:20 | 14:40 J.R. Grasso (ISterre Grenoble, France)
Anthropogenic Seismicity as Aftershocks for Geo-Resource Production? (Time and size patterns of Anthropogenic Seismicity)

14:40 | 15:00 B. Orlecka (IG-PAS, Poland)
Modelling subcritical fracture growth

15:00 | 15:20 C. Dahner-Lindkvist (U. Lulea, Sweden), with M. Stålnacke and S. Dineva
Seismicity and seismic hazard in and around the Malmberget Mine (Sweden)

15:20 | 15:40 L. Valoroso (INGV, Italy)
Long-term behavior of induced seismicity in the Val d'Agri basin (Southern Apennines, Italy)

15:40 | 16:00 G. Lizurek (IG-PAS, Poland)
How IS-EPOS resources can be used in preparing manuscripts?

16:00 | 16:30 Coffee break

16:30 | 16:50 A. Helmstetter (ISterre Grenoble, UGA, France), with J.R.Grasso.
"Large" cavity collapse (induced seismicity and deformation), in inhabited mountainous context.

16:50 | 17:10 G. Mutke (GIG, Poland)
Mining induced seismicity recorded in the far and near wave field

17:10 | 17:30 L. De Barros (Geoazur, Nice France), with J.R. Grasso.
Injection-induced seismicity from in-situ decameter scale experiments

Session III (17:30 | 18:30): Forum and Discussion

17:30 | 18:30 Final Forum (Moderator: B. Orlecka & M. Schaming)

Topics:

- Data episodes: strengths and limitations. What's next?
- Services, tools for data analysis: strengths and limitations. What's next?
- Communication: Vocabulary, engagement, visibility.

18:30 Closure