

THIRD USGS-INGV Meeting

Istituto Nazionale di Geofisica e Vulcanologia, Rome, June 28th 2016

Venue: Conference Room, INGV HQ, Via di Vigna Murata 605, Rome, Italy

Agenda

- 3:00-3:15 pm **Welcome and Opening of the meeting**
INGV President Carlo Doglioni; USGS Deputy Director, William (Bill) Werkheiser
- 3:15 -3:30 pm **Introduction of current and Proposed INGV-USGS Topical Activities**
USGS: Ingrid Verstraeten; INGV: Maria Fabrizia Buongiorno
- 3:30-6:30 pm** **Programmatic activities**
Presentation of WG for each topic (~ 50 minutes for each topic)
- 3:30-4:30 pm **Topic 1: Volcanic Processes and Hazards**
Chairs: INGV: Paolo Papale; USGS: Charlie W. Mandeville
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Participants: Raffaella Pignolo, Piergiorgio Scarlato, Jacopo Taddeucci, Mattia De' Michieli Vitturi, Simone Tarquini, Giuseppe Bilotta. Carolyn Driedger, Victoria Avery, Michael Poland
- Review of the USGS-INGV work program
Specific discussion topics
- Preparation of the 3rd VOBP meeting, next fall, US.
 - Update on "Dynamics of explosive basaltic eruptions Dynamics of explosive basaltic eruptions"
 - Task force on calderas status of the development
 - Lava flow inundation modelling and lava flow hazard maps. INGV
 - Strategies for successful outreach and education used by the USGS Volcano Hazards Program"

4:30-4:40 pm

Coffee break

4:40-5:30 pm

Topic 2: Seismological Processes and Hazards,

Chairs: *INGV: Daniela Pantosti; USGS: Michael Blampied*

Participants (in person and in teleconference): *Warner Marzocchi, Francesca Cinti.; Chuck Mueller; David Schwartz, and Suzanne Hecker*

Review of the USGS-INGV work program

Specific discussion topics

- 1yr seismic hazard map that include natural and induced events
- paleoseismology
- afterschock forecast

5:30-6:00 pm

Topic 3: Earth Observation Data

Chairs: *INGV: Maria Fabrizia Buongiorno, USGS: Thomas Cecere (in teleconference),*

Participants (in person and in teleconference): *Salvatore Stramondo Giuseppe Puglisi,Francesco Guglielmino, Sven Borgstrom, , Malvina Silvestri, Thomas Cecere, Mike Poland, Rick Wessels, Greg Stensaas*

Review of the USGS-INGV work program

Specific discussion subtopics:

- Update on joint activities for Calibration/validation of Optical data
- Definition of TEST areas in USA and Italy for Earth Observation data analysis
- EO Data management and dissemination: EROS data Centre
- USGS CEOS activities
- USGS and INGV joint contributes requirements for new sensors development
- Discussion on the organization of topical meeting on EO data in Italy or US

6:00-6:30 pm

Topic 4: Environmental Research and Processes

Chairs: *INGV: Fabio Florindo,Salvatore Stramondo, USGS: Ingrid Verstraeten*

Participants USGS: *Amina Rangoonwala & Ramsey III, Elijah*

Review of the USGS-INGV work program

Specific subtopic discussions

- Use of satellite data in environmental and coastal hazard monitoring
- Satellite Earth Observation for environmental monitoring and environmental disaster mitigation
- Natural and anthropogenic land-subsidence investigation by Interferometric SAR techniques



6:30-6:50 pm

Final remarks

7:00 pm

Closure of the meeting

USGS-INGV Natural Hazard Communication Meeting Catania, June 29- July 1 2016

Venue: INGV-OE, Piazza Roma, 2, 95125 Catania

Agenda: Natural Hazard Communication

Day 1 June 29th

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| AM | Fly from Rome to Catania |
| 15:00-15:20 | Welcome and Opening of the Meeting
<i>INGV: President Carlo Doglioni</i>
<i>USGS: Deputy Director, William H. Werkheiser</i> |
| 15:20- 15:40 | Meeting objectives
<i>INGV-OE Director: Eugenio Privitera, Maria Fabrizia Buongiorno, and Ingrid Maria Verstraeten</i> |
| 15:40-17:30 | SESSION I: Communication of science and risk to the public
<i>INGV Carlo Doglioni</i>
<i>USGS Barbara W. Wainman,</i> <ul style="list-style-type: none">• “Communicating Risk: The USGS Experience” by Barbara Wainman• “USGS-Volcano Science Center Strategies for Crisis Communication with the Public” by Carolyn Driedger• Risk Communication Insights from Social Science: (Mostly) Small Changes That Can Have Big Impacts” by Sue Perry• “INGV Communication – Current status” by Carlo Doglioni |
| 17:30 | Close of first day |

Day 2 June 30th

Opening and coffee break 8:30-9:00

9:00 – 13:00 **SESSION II: Communication of risk to government and scientists**

Volcanology

USGS: Charlie Mandeville & Carolyn Driedger
INGV: Paolo Papale

- ***“ The importance of communication to the USGS Volcano Hazards Program”*** by Charlie Mandeville
- ***“USGS-Volcano Science Center Strategies for Crisis Communication with Officials and Scientists”*** by Carolyn Driedger
- ***“Communication protocols with the Department of Civil Protection”*** by Marcello Martini, Director, INGV, Vesuvius Observatory
- ***“Role of INGV in emergency planning at Stromboli and Etna”*** by Eugenio Privitera, Director, INGV Etnean Observatory
- ***“Communication, Knowledge, and Responsibilities in volcanic hazard”*** Paolo Papale,

12:00-13:00 **Tour of the operational room of the INGV-OE**
INGV-OE Director: Eugenio Privitera

13:00-14:30 Lunch

14:30-15:30 **Seismology**

USGS: Sue Perry by Web EX (not in person)

- *INGV: Alessandro Amato*
- ***“Scientific Story-Telling: Scenarios and Other Methods”*** by Sue Perry.
- *INGV: Alessandro Amato (and the INGV terremoti team)*
- ***“Communicating earthquake information to Civil Protection, High Risks Commission, and to the public”*** by Alessandro Amato (and the INGV Earthquake team)
- ***“Revisiting the L'Aquila case: science, communication, law. A look at the future”*** by A. Amato, A. Cerase, C. Valbonesi

15:30- 18:00 **SESSION III: ROUND TABLE DISCUSSION:**

Moderators:

INGV: *President Carlo Doglioni*

USGS: *William (Bill) Werkheiser*

Panel members: Barbara Wainman, Charlie Mandeville, Alessandro Amato, Eugenio Privitera, Paolo Papale,

18:00 **Conclusion and next steps**

18:30 Close of meeting

20:00 Optional Social dinner

DAY 3 July 1: Short meeting at INGV & Excursion to Etna

08:00 Departure from INGV-OE

9:30 – 1300 Ascension to Mt.Etna

14:00 -15:30 Lunch at “Rifuggio Sapienza” (Etna Sud Touristic area)

16:30 Return to INGV-OE, end of excursion

Description:

The excursion on 1 July 2016 leads up the southern flank of Mount Etna, passing next to the “Etna Sud” tourist area with the cable-car, and the Montagnola cone (formed during an eruption in 1763), on which some of the observation cameras and other monitoring devices of the INGV-OE are installed.

In case of good weather and low levels of eruptive activity, the participants of the excursion will visit Etna’s Central Crater, recently re-formed due to the coalescence of the former “Bocca Nuova” and “Voragine” craters, during the major eruptions of December 2015 and May 2016. This crater is currently filled to the rim with lava erupted in May 2016, which also overflowed over its western rim to feed several lava flows down the upper western side of the volcano.

The excursion will furthermore lead to the large double crater Monte Barbagallo, which formed at about 2800 m elevation on the south flank of Etna during the 2002-2003 eruption, and to the western rim of the huge Valle del Bove, a collapse amphitheater formed approximately 8000-9000 years ago when a large sector of Etna’s east flank underwent lateral collapse. Besides spectacular panoramic views, the Valle del Bove also offers insights into the geological history of the volcano, which is documented in the strata exposed in the walls of the Valle del Bove.

Clothing requirements:



- Walking shoes are need
- Anorak (or mountain jacket)