

**FIRST BRAZILIAN-ITALIAN WORKSHOP ON LANDSLIDES PREDICTION,
MONITORING AND WARNING**
São José dos Campos, SP – Brazil
November 19th and 20th – 2019

19/11/2019

Pre-Workshop Activities

Fieldwork in Campos do Jordão (Brazil) monitored by the team of Cemaden's geodynamics researchers

| Hour | Activities |
|---------------|--|
| 08h30 – 09h00 | Visit to the Cemaden Situation Room |
| 09h00 | Departure from Cemaden to Campos do Jordão |
| 10h00 – 13h00 | Visit to the RedeGeo Project pilot areas (geotechnical instrumentations) |
| 13h00 – 14h30 | Lunch |
| 14h30 – 15h00 | Visit to the Campos do Jordão Civil Defense office |
| 16h00 | Return to São José dos Campos |

20/11/2019

Workshop Program

Location: Unesp Auditorium (São José dos Campos Technology Park)

| Hour | Activities |
|---------------|---|
| 09h00 – 09h30 | Opening workshop – Osvaldo Moraes (Cemaden) and Silvio Simões (Unesp) and presentation about the Graduate Program on Natural Disasters (ICT/Unesp and Cemaden partnership) |
| 09h30 – 10h00 | Cemaden's role in the Project for Strengthening the National Strategy for Integrated Risk Management in Natural Disasters – Tullius Dias Neri (Cemaden) |
| 10h00 – 10h30 | Presentation about Italian Civil Protection – Samuele Segoni (Univ. Firenze) |
| 10h30 – 10h45 | Short break |
| 10h45 – 11h15 | Research activities conducted by the researchers of University of Firenze as technical and scientific support to the Italian civil protection – Samuele Segoni and Ascanio Rosi (Univ. Firenze) |



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| 11h15 – 11h45 | Phisically based distributed model for landslides prediction – Elena Masi (Univ. Firenze) |
| 11h45 – 12h00 | Debates |
| 12h00 – 13h30 | Lunch |
| 13h30 – 14h00 | Rainfall thresholds for the landslides warning - Ascanio Rosi (Univ. Firenze) |
| 14h00 – 14h30 | Landslides in the Serrana region of Rio de Janeiro state: a proposal for multiple rainfall threshold and susceptibility mapping using tree decision algorithm - Vanessa Canavesi (Univ. Firenze) |
| 14h30 – 15h00 | Landslides suscetibility multiscale modeling: Application and sensitivity analysis - Samuele Segoni (Univ. Firenze) |
| 15h00 – 15h15 | Short break |
| 15h15 – 15h45 | Combined analysis of geophysical methods with geotechnical sounding and soil characterization applied to a landslide study in Campos do Jordão – Cassiano Bortolozo (Cemaden) |
| 15h45 – 16h15 | Geodynamic modeling considering anthropic elements for landslide prediction in the urbanized slopes – Rodolfo Mendes (Cemaden) |
| 16h15 – 16h45 | Spatially distributed modeling for steep slopes – Márcio Moraes (Cemaden) |
| 16h45 – 17h30 | Next steps |
| Evening | Confraternization (optional) |

Coordination:

Cemaden – PhD Marcio Andrade, Researcher

Unesp – PhD Silvio Jorge Coelho Simões, Professor and Researcher