

# PE3 PNRR - RETURN Spoke VS2 - Young Day

PROGETTI DI DOTTORATO E DI ASSEGNI DI RICERCA IN AMBITO DI SPOKE

19 Giugno 2024, ore 15.30 - 19.30

Dipartimento di Scienze della Terra e Geoambientali (UNIBA) - Aula 1  
Campus Universitario - Via Orabona, 4 - 700125 Bari

Coordinatore: **Mario Parise**

Comitato organizzatore: **Rosa Colacicco, Isabella Lapietra, Stefania Lisco, Isabella Serena Liso, Angela Rizzo, Giovanni Scardino**

15.30 Introduzione (**Spoke Leaders:** Salvatore Martino, Francesca Bozzano;  
**Spoke Co-Leaders:** Domenico Calcaterra, Diego Di Martire)

## Sessione 1 (Chairs: **Isabella Serena Liso, Giovanni Scardino**)

15.40 **Dzelajlija I. et al. (OGS, Trieste)**  
Assessing recent flash flood activities along the fiumare connected to headwalls of the Squillace submarine canyon from remote sensing (Calabrian Ionian margin)

15.50 **Poneti G. et al. (OGS, Trieste)**  
Assessing geohazards of submarine landslides with different kinematics in the Calabrian Ionian margin

16.00 **Parrino N. et al. (Università degli Studi di Palermo)**  
Eroding edges: Exploring the tectonic forcing on submarine canyon evolution

16.10 **Bracci M. et al. (Università degli Studi di Palermo)**  
New perspectives on the analysis of active fluid seepages in marine environments linked to WP3\_P11

16.20 Q&A

16.30 **Bausilio G. et al. (Università degli Studi di Napoli Federico II)**  
Sinkhole Risk Assessment in urban areas using Machine Learning algorithms

16.40 **Bondanza M. et al. (Università degli Studi di Genova)**  
Preliminary observations on the role of ground water regime as preparatory factor for a slow active landslide

16.50 **Messina G. et al. (Politecnico di Torino)**  
Climate change and slope instability

17.00 **La Porta G. et al. (Politecnico di Torino)**  
Post-fire debris flows triggered by rainfall: numerical modelling of a case study in the Piemonte region

17.10 Q&A

17.20 Coffee Break

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## Sessione 2 (Chairs: Rosa Colacicco, Isabella Lapietra)

17.40	<b>Pace L. et al. (Università degli Studi di Bari Aldo Moro)</b> Large-scale experimental investigations on debris flows in the Sarno Area: soil moisture analysis and its implications
17.50	<b>Di Muro C. et al. (Università degli Studi di Napoli Federico II)</b> Landslide hazard prediction with machine learning algorithms: the case study of Central Italy
18.00	<b>Fredella F. et al. (Università degli Studi di Bari Aldo Moro)</b> Developments towards the integration of the site response effect within a procedure for the reconnaissance of slopes susceptible to co-seismic failures
18.10	<b>Marano S. et al. (Università Sapienza, Roma)</b> Coupling of seismic ambient noise interferometry and PS-inSAR technique in a multi-hazard perspective on landslide-involved slopes
18.20	Q&A
18.30	<b>Napolitano R. et al. (Università Sapienza, Roma)</b> Delineation of customized terrain units for geo – hydrological susceptibility analysis at large scale
18.40	<b>Ajin R.S. et al. (Università di Firenze)</b> Understanding the spatial patterns of hydro-geomorphological disasters in Italy using the CatBoost model
18.50	<b>Narcisi R. et al. (Politecnico di Torino)</b> Hydrogeological aspects for ground instability analyses: the case of Susa Valley (Piemonte)
19.00	<b>Valentino G.F. (Università degli Studi di Palermo)</b> The impact of intense and prolonged drying on ground instabilities: advances on the experimental results
19.10	<b>Hoorfar K. et al. (Università di Genova)</b> Influence of soil erosion on slope instability: multivariate statistical analysis for the assessment and mapping of landslide susceptibility over large areas
19.20	Q&A
19.30	Conclusioni



Collegamento Teams su canale **Spoke VS2 - Ground Instabilities**