

# Workshop

## Geosynthetics for slope stabilization



AGI - IGS Sezione Italiana dell' International Geosynthetic Society

@ World Landslide Forum 4  
Venue: "Cankarjev dom"  
(Cultural and Congress Centre)

**1<sup>st</sup> June 2017**  
13:30 - 17:00, Room E4  
**Ljubljana (Slovenia)**

The **Italian Chapter AGI-IGS** of the International Geosynthetic Society (IGS) will run a workshop for all interested experts and also for the IGS members on 1<sup>st</sup> June 2017.

**Organizers:** Daniele Cazzuffi (IGS Past President, CESI SpA, Milano, Italy) and Sabatino Cuomo (LARAM School, University of Salerno, Italy)

Slope stability can be increased by modifying the ground surface geometry, through superficial or deep drainage, using soil improvement techniques, installing continuous or discrete retaining structures such as walls or piles. Geosynthetics are polymeric products commonly used for reinforcement and erosion control of man-made soil structures and artificial slopes. The reinforcement type, the soil mechanical properties and the anchorage system, as well as the extensibility, disposition and shape of the reinforcements lead to different behaviour in terms of deformation and strength. Geotechnical characteristics of the soil influence the stress distribution at the soil-reinforcement interface.

The workshop is aimed to provide an opportunity to researchers and practitioners for sharing experience, ideas and best practices in the field of slope stabilization through geosynthetics and related products.

### PROGRAMME

Time	Speaker	Title
13:30 – 13:45	Mojca Ravnikar Turk, President of Slovenian Geotechnical Association	Welcome greetings and Introduction
13:45 – 14:15	Daniele Cazzuffi, CESI SpA, Milano, Italy IGS Past President	The role of vegetation in geosynthetics-reinforced structures for slope stabilisation
14:15 – 14:45	Oliver Detert, HUESKER Synthetic GmbH, Gescher, Germany	High geogrid-reinforced slopes as flexible solution for problematic steep terrain: trieben-sunk project, Austria
14:45 – 15:15	Sabatino Cuomo, LARAM School, University of Salerno, Italy	Recent experiences of geosynthetics reinforcement for unsaturated natural slopes in Italy
15:15 – 15:45	Zeljko Arbanas, University of Rijeka, Croatia	Geosynthetics in landslide remediation
15:45 – 16:15	Piergiorgio Recalcati, Tenax SpA, Italy	Geogrid reinforced slope 60.0 m high for the stabilization of the Valpola landslide
16:15 – 16:45	Vojkan Jovičić, IRGO Consulting d.o.o., Slovenia	The use of geotextile for the construction of tunnel portals
16:45 – 17:00		DISCUSSION and CONCLUSIONS

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