



VIIth YOUNG GEOMORPHOLOGISTS' DAY
“INNOVATIVE TECHNOLOGIES FOR
MONITORING AND DIGITALLY MODELING
PAST AND PRESENT GEOMORPHOLOGICAL PROCESSES”
Napoli, 15th-16th June 2017



PROGRAM

15th June 2017 ~ Paola Romano Award and VIIth Young Geomorphologists' Day
(at Real Museo Mineralogico Via Mezzocannone, 8, 3rd floor, Naples)

9.30 ~ Opening of the registrations

10.00 - 10.15 ~ Welcome

Prof. M. R. Ghiara, Director of the Centro Musei delle Scienze Naturali e Fisiche, Università degli Studi di Napoli Federico II

Prof. D. Calcaterra, Director of the Dipartimento di Scienze della Terra, dell'Ambiente e delle Risorse, Università degli Studi di Napoli Federico II

Prof. G. Pambianchi, President of the AIGeo (Associazione Italiana di Geografia Fisica e Geomorfologia)

10.15 - 10.45 ~ "Paola Romano Award" Ceremony & Oral presentation of the winner

11.00 - 12.30 ~ Morning session of the VIIth Young Geomorphologists' Day

Convener: Prof. Paola Fredi

11.00-11.15 – *High elevation geomorphological mapping and glacier monitoring by means of Unmanned Aerial Vehicles (UAVs) - Azzoni R.S., Fugazza D., Senese A., Zerboni A., D'Agata C., Cernuschi M., Diolaiuti G.A.*

11.15-11.30 – *Morphodynamics of glacier lakes in the Western Italian Alps resulting from continued glacier shrinkage: past evidences and future scenarios - Viani C., Giardino M., Huggel C., Perotti L., Mortara G.*

11.30-11.45 - *Comparing different methods of slope's segmentation for landslides susceptibility assessment: some preliminary results - Coco L.*

11.45-12.00 - *A method to assess and validate a Gis-Based Landslides Susceptibility Map: a case study from Feltrino Stream Basin (Central Italy) - Urbano T., Sciarra M., Coco L.*

12.00-12.15 - *Multi-Sensor Integration applied to landslide monitoring – The “Lemonade” Project - Kofler C., Schlögel R., Darvishi M., Rutzinger M., Zieher T., Remondino F., Toschi I.*

12.15-12.30 - *Acoustic Backscatter Analysis in the Southern Adriatic Sea (Italy) - Prampolini M., Fogliani F.*

12.30 - 14.00 ~ Lunch break

14.00 - 15.00 ~ Afternoon session of the VIIth Young Geomorphologists' Day

Convener: Prof. Marcello Schiattarella

14.00-14.15 - *Coastal subsidence of the Sele River coastal plain, southern Italy: geological implications - Amato V., Aucelli P.P.C., Corrado G., Gianluigi Di Paola G., Pappone G., Rizzo A., Schiattarella M.*

14.15-14.30 – *Mediterranean lagoons as proxy for Holocene Sea Level Reconstructions. New data from Corsica, Sardinia and Balears Islands - Vacchi M., Ghilardi M., Melis R.T., Giame M., Morhange C., Marriner N.*

14.30-14.45 - *Long-term morphotectonic evolution of the Molise foothills (Southern Apennines, Italy) - Valente E., Ascione A., Aucelli P.P.C., Bracone V., Roskopf C.M.*

14.45-15.00 - *Coastal erosion and inundation vulnerability due to sea level rise: the case of Volturno river coastal plain - Aucelli P.P.C., Di Paola G., Rizzo A.*



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15.00 - 16.00 ~ Poster session (brief introduction, 2minutes, by the Authors) & Coffee Break

Convener: Prof. Micla Pennetta

Reactivation of a Deep Seated Gravitational Slope Deformation observed during the recent seismic events in Central Italy - Amato G., Aringoli D., Devoti R., Fubelli G., Galvani A., Pambianchi G., Sepe V.

Indexing Geomorphodiversity in the Veglia-Devero Natural Park (Western Italian Alps) - Bollati I.M., Paleari M., Zanoletti E., Pelfini M.

IVth AIGeo Young Geomorphologists' Stage "High Mountain Landscape and Climate Change". Analysis of the deglaciation history in an Italy-Switzerland cross-border area: the Val Viola (Upper Valtellina-Poschiavo Valley) - Bollati I.M., Azzoni R.S., Celada C., Cerrato R., Crosa Lenz B., Giaccone E., Masseroli A., Pellegrini M., Schenker F., Vezzola L., Viani C., Zanoner T., Scapozza C., Zerboni A., Guglielmin M.

Comprehensive geomorphological and sedimentological mapping and applications for coastal management: Porto Pino, SW Sardinia, Western Mediterranean - De Muro S., Buosi C., Ibba A.

Sedimentology, geomorphology and benthic habitats of a beach system of South Western Australia: implications for coastal management - De Muro S., Buosi C., Tecchiato S., Ibba A.

Remotely Sensed Flood Maps in the Metaponto Plain (Basilicata) - De Musso N.M., Capolongo D., Refice A., Lovergine F.P., D'addabbo A., Pennetta L.

The use of geological features and geomorphological evolution as whether-climate indicators: two study case from the Puglia Region, Southern Italy - De Santis V., Caldara M., Marsico A., Capolongo D., Pennetta L.

The Webgis on the sea storm of the Mediterranean Basin: a dataset for coastal dynamics - Fago P., Curci G., Bonarelli R., Coppini G., Lecci R., Milella M., Piscitelli A., Sansò P., Mastronuzzi G.

Integrated analysis for the estimation of water erosion rates in the Northern Apennines: the Monte Cusna study case - Masseroli A., Bollati I., Villa S., Pelfini M., Trombino L.

Integration Of Rainfall/Runoff And Geomorphological Methods: Case Studies From The Southern Apennines (Italy) - Palumbo M., Ascione A., Santangelo N., Santo A.

Underwater digital survey and sea level history of the Torre Guaceto Marine Protected Area - Vacchi M., Piscitelli A., Milella M., De Giosa F., Capolongo D., Mastronuzzi G.

Reconstruction of the last glacial erosional surface in the Mar Piccolo area (Taranto, Southern Italy) - Valenzano E., Scardino G., Cipriano G., Fago P., Capolongo D., De Giosa F., Lisco S., Moretti M., Mastronuzzi G.

Risk Management And Communication In The Vesuvius Area - Zand E., Kraushaar S.

16.00 - 17.00 ~ Field trip preparation

Brief introduction to geomorphology of field trip area visited the next day. Introduction to the monitoring and instrumental measurements tools that will be tested during the fieldtrip and short course

20.00 - 21.00 ~ Guided tour to the Galleria Borbonica
(Vico del Grottone n. 4, Naples)

21.00 Social dinner - Cold meals based dinner at Galleria Borbonica



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16th June 2017 ~ Fieldtrip&ShortCourse

- 8.00 - 10.00 Departure from Naples towards the sandy coast within the Site Natura 2000 SCI IT8010019, on the left side of the Fiume Garigliano outlet (Northern Campania)
- 10.00 - 11.30 Results of the European Project Life Natura LIFE/NAT/IT000519 PROVIDUNE developed on this site by the Earth Science Department of the Università degli Studi Federico II (Scientific coordinator. Prof.ssa M. Pennetta). The results of the analysis and of the morphological and sedimentological investigations on the emerged and submerged beach will be presented; environmental engineering works, addressed to protection and realized on the base of the results obtained during the project, will be shown. Moreover their effects on morphodynamic of the beach will be illustrated.
- 11.30 - 13.15 Monitoring and measurement methods for emerged and submerged coast by means of marine drone for Side Scan Sonar and Single Beam data acquisition in low water (Prof. P. Aucelli) and of the emerged beach by means of Laser Scanner and Georadar (Prof. G. Mastronuzzi).

13.30 - 14.30 ~ Lunch at “La Ninfea” Restaurant in Sessa Aurunca (Ce)

- 14.30 - 16.00 Post processing of the data acquired during the morning.
- 16.00 – 18.00 End of the Short Course and return to Naples at Central Station at 18 and at Capodichino Airport at 18.30.

Organized by Prof. Micla Pennetta; pennetta@unina.it