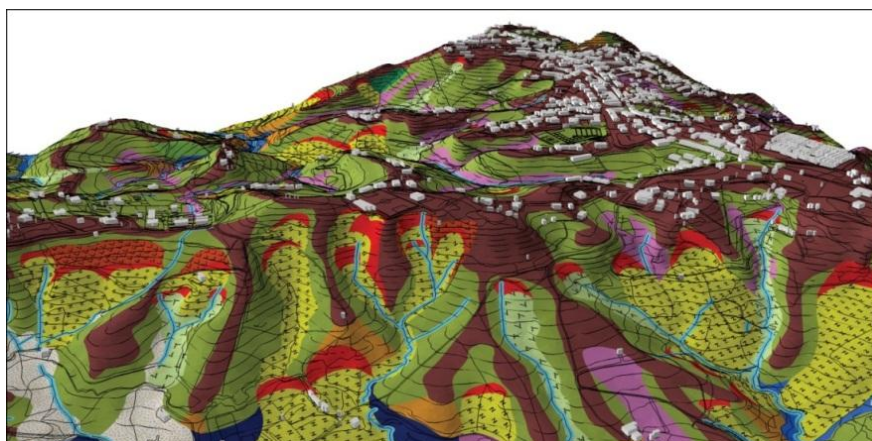




IAG/AIG International Workshop on “Objective Geomorphological Representation Models: Breaking through a New Geomorphological Mapping Frontier”

University of Salerno – Cilento & Vallo di Diano Geopark (Italy)
October 15-19, 2012



Background

Geomorphological Mapping has seen a resurgence in the last years due to the impressive power of morphometric analysis, remote sensing, and other computational concepts and tools. This is also reflected in the worldwide renaissance of textbooks on geomorphological mapping and geomorphometry like for instance the books *Geomorphometry: Concepts, Software, Applications*, by Hengl & Reuter (2008), or *Mapping Geomorphological Environments*, by Pavlopoulos et al. (2009) or *Geomorphological Mapping: methods and applications*, by Smith et al. (2011) and a number of new papers appeared on object-oriented segmentation of digital terrain models, derived from different sources at different scales and with different aims for Earth and other Planets.

Object-oriented segmentation of digital terrain models is stepping out as one of the most advanced and meaningful methodologies to this regards. Still it is in a very experimental phase and needs strong advancement to be applied with confidence in a variety of environments. In Engineering Geology it has been proposed and already widely adopted the concept of the geological model (Fookes, 1990). We feel that also in geomorphology there is a need for driving the expert towards a similar approach and in this field an objective and meaningful mapping techniques (integrating computer models and field verification) is needed and developed in an experimental way.

We are keen to build up a network of users/developers/donors interested in applying objective and meaningful landform segmentation for base or applied studies in geomorphology.

You are invited to attend a Workshop where ideally both developers and users of object-oriented landform segmentation methodologies will meet in the usual rigorous but informal atmosphere that is so typical of the geomorphological community.

The Workshop will include a number of keynote lectures by leading researchers in the field, followed by extensive discussion sessions during which we hope a wider consensus and a common way forward could be established. A one-day field/on-boat trip in the Cilento & Vallo Diano Geopark will follow.

We hope that this effort could also develop into a new joint Working Group of IAG (International Association of Geomorphologists) and IAEG (International Association of Engineering Geologists) in the coming years.

Venue

Department of Civil Engineering, Fisciano Campus, University of Salerno, Italy.

Organizing Committee

Aniello Aloia - National Park of Cilento and Vallo di Diano, Italy; **Alessia Amorfini** - Apuane Geopark, Italy; **Nerio Baratta** - National Park of Cilento and Vallo di Diano, Italy; **Maurizio Burlando** - Beigua Geopark, Italy; **Nicola Catino** - National Park of Cilento and Vallo di Diano, Italy; **Antonello Cestari** - CUGRI, Salerno, Italy; **Albina Cuomo** - Department of Civil Engineering, University of Salerno, Italy; **Angelo De Vita** - National Park of Cilento and Vallo di Diano, Italy; **Francesco Dramis** - Department of Geological Sciences, "Roma Tre" University, Rome, Italy; **Giandomenico Fubelli** - Department of Geological Sciences, "Roma Tre" University, Rome, Italy; **Domenico Guida** - Department of Civil Engineering, University of Salerno, Italy; **Paolo Paron** - Department of Water Science and Engineering, UNESCO-IHE, Delft, The Netherlands; **Eva Pescatore** - National Park of Cilento and Vallo di Diano, Italy; **Mauro Soldati** - Department of Earth Sciences, University of Modena and Reggio Emilia, Italy.

Scientific Committee

Maurizio Barbarella - Department of Civil, Environmental and Materials Engineering, University of Bologna, Italy; **Carlo Bisci** - Department of Earth Sciences, University of Camerino, Italy; **Angelo Cavallin** - Department of Environmental Sciences, "Milano Bicocca" University, Milan, Italy; **Antonello Cestari** - CUGRI, Salerno, Italy; **Michael Crozier** - Institute of Geography, School of Earth Sciences, Victoria University of Wellington, New Zealand; **Francesco Dramis** - Department of Geological Sciences, "Roma Tre" University, Rome, Italy; **Margherita Fiani** - Department of Civil Engineering, University of Salerno, Italy; **Giandomenico Fubelli** - Department of Geological Sciences, "Roma Tre" University, Rome, Italy; **Domenico Guida** - Department of Civil Engineering, University of Salerno, Italy; **Fausto Guzzetti** - CNR - IRPI, Perugia, Italy; **Takashi Oguchi** - Center for Spatial Information Science, University of Tokyo, Japan; **Paolo Paron** - Department of Water Science and Engineering, UNESCO-IHE, Delft, The Netherlands; **Lothar Schrott** - Department of Geography and Geology, University of Salzburg, Austria; **Michael Smith** - Department of Geography, Geology and Environment, Kingston University, London, UK; **Mauro Soldati** - Department of Earth Sciences, University of Modena and Reggio Emilia, Italy; **Simone Sterlacchini** - CNR -IDPA, Milano, Italy.

Workshop Secretariat

Fubelli Giandomenico - Department of Geological Sciences, "Roma Tre" University, Largo San Leonardo Murialdo, 1, 00146 Rome, Italy

Tel. +39.06.57338023; fax +39.06.57338209

e-mail fubelli@uniroma3.it

Auspices

The Workshop is organized under the auspices of:

International Association of Geomorphologists (IAG)

Associazione Italiana di Geografia Fisica e Geomorfologia (AIGeo)

Università degli Studi di Salerno

Parco Nazionale del Cilento e Vallo di Diano

Provisional Programme

Workshop session

Monday, October 15, 2012 - arrival of participants, registration, icebreaker reception.

Tuesday, October 16, 2012 - **Department of Civil Engineering, University of Salerno**: registration, key-note lectures - paper/poster sessions.

Wednesday, October 17, 2012 - **Department of Civil Engineering, University of Salerno**: key-note lectures, paper/poster sessions; workshop banquet.

Field excursion

Thursday, October 18, 2012 - **"Cilento & Vallo di Diano" Geopark:**

Departure from Salerno to Castellabate by bus; on-boat trip to Punta Licosa ("*From traditional to multiscale object-based hillslope, fluvial and coastal geomorphology*"); field trip to the Pisciotta landslide ("*Interdisciplinary approach to detailed, 4D objective geomorphological mapping model aided by Terrestrial Laser Scanner, Remote Sensing, boreholes and piezometric/deplacement instrumental measures in a landscape affected by interacting coastal, fluvial and hillslope processes*"); hotel accommodation and dinner.

Friday, October 19, 2012: Departure by bus to Salerno (railway station).

Workshop Fees

Workshop registration (October 15-17, 2012)

(including icebreaker reception, coffee/lunch breaks, workshop banquet and workshop material)

Early bird payment (before April 30, 2012)

Regular participants	150.00 €
Accompanying persons / Students	100.00 €

Full payment (May 1 to August 31, 2012)

Regular participants	200.00 €
Accompanying persons / Students	150.00 €

Payment at the workshop desk will be possible with a 20% overcharge.

Excursion to Cilento & Vallo di Diano Geopark (October 18/19, 2012)

(including meals, excursion material and transportation)

Early bird payment (before April 30, 2012)	90.00 €
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Full payment (May 1 to August 31, 2012)	120.00 €
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Payment at the workshop desk will be possible with a 20% overcharge only in case of vacant places.

Participants are required to pay the fees by bank transfer **before August 31, 2012** (see the attached registration form)

Hotel accommodation

Workshop participants are advised to book their rooms at Best Western Hotel dei Principati (phone: 089 9566401; fax: 089 9566366; e-mail: deiprincipati.sa@bestwestern.it) that is located nearby the Fisciano Campus. The agreed prices per night (including breakfast and shuttle bus transportation to/from the workshop venue) are: **single room 70.00 €**; **double room 90.00 €**.

The participants in the excursion are required to pay their room bill (Hotel Santa Maria, Castellabate) on checking out, directly at the hotel desk. The agreed prices are: **single room 64.00 €**; **double room 78.00 €**. The hotel rooms will be booked by the workshop organization.

Abstract Submission

Abstracts will be accepted for oral or poster presentation. Please indicate your preference when submitting. Abstracts are to be submitted by e-mail as an attached file in Word format to the Conference Secretariat (Giandomenico Fubelli - Department of Geological Sciences, "Roma Tre" University, Largo San Leonardo Murialdo, 1 - 00146 Rome, Italy (tel. +39.06.57338023; fax +39.06.57338209; e-mail fubelli@uniroma3.it).

Deadline for abstract submission is **June 30, 2012**. Acceptance will be notified by **August 31, 2012**.

Format: one to three A4 pages, including text, figures, tables and references. Top, bottom, left, and right margins 25 mm.

Title: upper and lower case, left justified, Times font, 14 pt. bold.

Contributors' names: Upper and lower case, left justified, first name first, surname last, Times font, 11 pt.

Affiliation: upper and lower case, left justified, Times font, 10 pt. Numbered superscripts should be used to indicate the affiliation of each contributor. E-mail address can be added in parentheses at the end of the corresponding contributor's affiliation.

Main text: single-spaced text, Times 10 pt. font, no section headings.

Deadlines Summary

Early bird registration	April 30, 2012
Abstract submission	June 30, 2012
Full registration	August 31, 2012
Workshop	October 15-17, 2012
Field Trip	October 18-19, 2012

How to reach Fisciano Campus

From Rome Fiumicino Airport:

bus or train 'Leonardo Express' to 'Roma Termini' Railway Station (Rome Central station); then Eurostar train to Salerno and, then, local bus (number 7, 17 or 27) or taxi to Fisciano Campus (bus stop near Hotel dei Principati).

From Naples Capodichino Airport:

bus to 'Napoli Centrale' Railway Station; Eurostar or Intercity train to Salerno and, then, bus (number 7, 17 or 27) or taxi to Fisciano Campus (bus stop near Hotel dei Principati).

Second Circular

The second circular will be issued by the end of July 2012.

Further information may be found on the Cilento and Vallo di Diano website:

<http://conservazione.cilentoediano.it/index.asp?ref=pagine&id=108&t=International+Workshop+of+Geomorphology&h=1&h2=108&lan=ita>