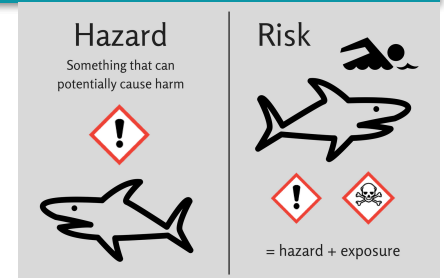


Chairs: Maria Antonietta Dessena & Maria Teresa Melis

The Poster Session (**Sep 14th h 13:00- 14:30**) is dedicated to studies focused on Earth hazards. How a **hazard** becomes a **risk** is determined monitoring the harms. Researchers will demonstrate how Remote sensing technologies offer the main tool for the damage evaluation and mapping. Moreover, new technologies and innovative data processing will be considered into original



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COASTAL HAZARDS

A focus on
Mediterranean coasts

- 1) **Coastal flooding: case studies in Calabria (Italy)**, Giuseppe Barbaro | Giuseppe Bombino | Giandomenico Foti | G. Chiara Barillà | Giuseppe Mauro | Pierfabrizio Puntorieri | Maria Mandalari
- 2) **Analysis of the erosive processes triggered by the construction of ports using remote sensing. Case study: Calabria (Italy)**, Giandomenico Foti | Giuseppe Barbaro | Giuseppina Chiara Barillà | Pierluigi Mancuso | Pierfabrizio Puntorieri | Rita Piria
- 3) **Alluvione in Sicilia dal 01 al 05 Novembre 2018: mappe di pericolosità e rischio idraulico**, Filippo Massimiliano Gagliano
- 4) **Analysis of the correlation between coastal erosion and anthropogenic processes using remote sensing. Case study: Calabria (Italy)**, Giandomenico Foti | Giuseppe Barbaro | Giuseppina Chiara Barillà | Pierluigi Mancuso | Pierfabrizio Puntorieri | Maria Mandalari
- 5) **Water color data analysis system for coastal zone monitoring**, Filipponi Federico | Ippoliti Carla | Tora Susanna | Giansante Carla | Scamosci Emanuela | Petrini Massimo | Di Deo Nicola | Conte Annamaria

2

LAND MONITORING

Earth system and urban
care

- 1) **Dynamics of Strombolian explosions: the February 2020 Etna sequence**, Marco Palmas | Laura Pioli | Simona Scollo | Boris Behncke | Emanuela De Beni | Massimo Cantarero
- 2) **4D glacier monitoring with VHR satellite stereo imagery**, Fabio Giulio Tonolo | Alberto Cina
- 3) **Detection and characterisation of forest fire using Sentinel-1 cross-ratio time series decomposition approach. Preliminary results about the Susa fire of autumn 2017**, Samuele De Petris | Evelyn Joan Momo | Enrico Borgogno-Mondino
- 4) **Assessing thematic land cover change of world's largest mangrove forest (Sundarbans) using remotely sensed data**, Akbar Hossain Kanan | Francesco Pirotti | Mauro Masiero
- 5) **Detection of wetlands and peatlands with multi-sensor remote sensing and Random Forest land cover classification: a case study from the Peruvian Andes**, Sandro Makowski | Giulia Curatola | Christel Scheske | Bruno Monteferrri | Ellen Delgado
- 6) **Quick and easy indices assessment: exploiting the Google Earth Engine platform to detect peri-urban land cover changes**, Marco Ciolfi | Francesca Chiochini | Maurizio Sarti | Rocco Pace | Pierluigi Paris | Marco Lauteri

3

TOOLS AND MAPS

New hints in data
processing

- 1) **Testing the i-Tree Cool Air spatial model to evaluate the contribution of urban green spaces to air temperature mitigation**, Rocco Pace | Francesca Chiochini | Maurizio Sarti | Carlo Calfapietra | Pierluigi Paris | Marco Ciolfi
- 2) **Cubesats: Paving the way towards an effective reliability- oriented approach**, Gabriele Fois, and Giovanna Mura
- 3) **Multi-temporal InSAR technique for transport infrastructure monitoring and the integration with ground based GPR technology at the Olivieri viaduct in Salerno**, Chiara Clementini | Daniele Latini | Fabio del Frate | Valerio Gagliardi | Luca Bianchini Ciampoli | Fabrizio D'Amico
- 4) **Detection of Cynodon dactylon in vineyards using Unmanned Aerial Vehicle (UAV) images and object-based image analysis (OBIA)**, Alberto Sassu
- 5) **Morphological and compositional investigation of Krieger crater (Moon)**, Claudia Collu | Sabrina Podda | Maria Teresa Melis
- 6) **COVID-19: dal dato al mapping interattivo**, Filippo Massimiliano Gagliano

applications.