

## Room A

Time	Event		
08:00-09:00	Registration		
09:00-09:30	Salutations and welcome speeches		
09:30-10:10	Keynote speaker	When the neo-geography creates commons	Maurizio Napolitano (Fondazione Bruno Kessler, Italy)
10:10-10:40	Coffee-break		
10:40-12:10	Scientific Session: Citizen science and user generated geospatial content Conveners: Maria Brovelli, Jens Ingensand	Keys to successful scientific VGI projects	Jens Ingensand, Sarah Composto, Olivier Ertz, Daniel Rappo, Marion Nappez, Timothée Produit, Mathias Oberson, Ivo Widmer, Stéphane Joost
		OnoM@p: a Spatial Data Infrastructure dedicated to noise monitoring based on volunteers measurements	Erwan Bocher, Gwendall Petit, Nicolas Fortin, Judicaël Picaut, Gwenaël Guillaume, Sylvain Palominos
		Weather events identification in social media streams: tools to detect their evidence in Twitter	Valentina Grasso, Imad Zaza, Federica Zabini, Gianni Pantaleo, Paolo Nesi, Alfonso Crisci
		Crowdsourcing with mobile techniques for crisis support	Simone Frigerio, Luca Schenato
12:10-14:00	Lunch		
14:00-15:30	Scientific Session: Modelling spatio-temporal processes using open source geospatial tools Conveners: Mauro Rossi, Annette Witt	r.avaflow & r.randomwalk: two complementary and comprehensive open source GIS simulation tools for the propagation of rapid geophysical mass flows	Martin Mergili, Matthias Benedikt, Julia Krenn, Jan-Thomas Fischer, Shiva P Pudasaini
		Simulation of marine activities by coupling Geographical Information System and Agent Based Model: improvements and technical achievements	Annalisa Minelli, Cyril Tissot, Mathias Rouan, Matthieu Le Tixerant
		A geoprocessing modelling interoperable framework for AgriGIS using open data and open standards	Roberto Santos, Dai Huynh, Suchith Anand, Rumiana Ray, Sean Mayes, Didier Leibovici
		Evaluation of the parallel performance of the TRIGRS v2.1 model for rainfall-induced landslides	Massimiliano Alvioli, Daniele Spiga, Rex L Baum
15:30-16:10	Keynote speaker	Theory and Practice of Reproducible Research	Riccardo Rigon (University of Trento, Italy)
16:10-16:40	Coffee-break		

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Time	POSTER SESSION	
16:40-17:40  Scientific Poster sessions (authors must be present at their display for presentation)	Challenges in VGI for scientific projects	Jens Ingensand, Sarah Composto, Marion Nappez, Timothée Produit, Olivier Ertz, Mathias Oberson, Daniel Rappo
	An agent-based model to assess the forest fires dynamic in the southern Swiss alpine region	Annalisa Minelli, Marj Tonini
	From photo-geology to 3D geological models. An open source approach	Michele Santangelo, Ivan Marchesini, Francesco Mirabella, Francesco Bucci, Mauro Cardinali, Fausto Guzzetti
	A GRASS tool for the Sediment Delivery Ratio mapping	Pierluigi De Rosa, Corrado Cencetti, Andrea Fredduzzi
	QGIS plugin or web app? Lessons learned in the development of a 3D georeferencer	Timothee Produit, Jens Ingensand, Gillian Milani
	Exploiting freely available imagery to improve land cover characterization and shallow landslide detection	Stefano Crema, Marco Cavalli, Giulia Bossi, Luca Schenato, Lorenzo Marchi
	Mapping irrigated areas using multi-sensor remote sensing data in a Mediterranean environment	Pasquale Nino, Silvia Vanino, Flavio Lupia, Giuseppe Pulighe, Carlo De Michele, Guido D'Urso
	The Open Data GeoPortal of the Lamma Consortium	Manuela Corongiu, Riccardo Mari, Raffaella Ferrari, Lorenzo Bottai, Valentina Grasso, Federica Zabini, Luca Fibbi, Daniele Grifoni, Claudio Tei, Francesco Pasi, Bernardo Gozzini, Simone Giannecchini
	Geothematic open data in Umbria Region	Andrea Motti, Norman Natali
	Open Source for Water Management: including capabilities of MODFLOW-OWHM in the FREEWAT GIS modelling environment	Iacopo Bosi, Rudy Rossetto, Massimiliano Cannata, Giovanna De Filippis, Matteo Ghetta
	CREGIS-Q: a GIS tool to support decision making in case of aquifer contamination emergency	Anna Bruna Petraneli, Elisabetta Preziosi, Francesco Campopiano, Angelo Corazza, Andrea Duro
	Observation analysis tool for the FREEWAT GIS environment for water resources management	Massimiliano Cannata, Jakob Neumann, Mirko Cardoso, Rudy Rossetto, Laura Foglia
	Development of a WEB-GIS real-time dynamic landslide risk scenarios procedure - Umbria Region civil protection early warning system, a case study	Francesco Ponziani, Marco Stelluti, Nicola Berni
	The GEOBASI (Geochemical Database of Tuscany) open source tools	Manuela Corongiu, Brunella Raco, Antonella Buccianti, Patrizia Macera, Riccardo Mari, Stefano Romanelli, Barbara Nisi, Stefano Menichetti

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## Room B

Time	Event		
10:40- 12:10	Scientific Session: Open Geospatial for water Conveners: Massimiliano Cannata, Iacopo Borsi	Exploiting observations and measurement data standard for distributed LTER-Italy freshwater sites. Water quality issues.	Simone Lanucara, Paola Carrara, Alessandro Oggioni, Michela Rogora, Lyudmila Kamburska, Giampaolo Rossetti
		Impact of the catchment land use on some factors of lakes trophic status: a GIS approach	Lukasz Slugocki, Robert Czerniawski
		Integration of the MODFLOW Lak7 package in the FREEWAT GIS modelling environment	Massimiliano Cannata, Jakob Neumann, Mirko Cardoso, Rudy Rossetto, Laura Foglia, Iacopo Borsi
		Oscillation of water table due to rainfall: an experience of modeling in GIS	Bianca Federici, Rossella Bovolenta, Dario Balestrero, Roberto V Passalacqua
12:10- 14:00	Lunch		
14:00- 15:30	Scientific Session: Free Open Source Software in Remote Sensing for Earth and Planetary Sciences Conveners: Alessandro Frigeri, Francesco Paolo Lovergne	Assessment of spectral properties of Apollo 12 landing site	Yann H Chemin, Ian A Crawford, Peter Grindrod, Louise Alexander
		Monitoring natural and rural ecosystems using the NDVI anomaly: an application to the Umbria Region	Gianluca Massei, Lucia Rocchi, Luisa Paolotti, Antonio Boggia
		Open source geoprocessing tools and meteorological satellite data for crop risk zones monitoring in Sub-Saharan Africa	Tiziana De Filippis, Leandro Rocchi, Patrizio Vignaroli, Maurizio Bacci, Vieri Tarchiani, Elena Rapisardi
		Using Python® language for the validation of the CCI soil moisture products via SM2RAIN	Luca Ciabatta, Christian Massari, Luca Brocca, Christoph Reimer, Sebastian Hann, Christoph Paulik, Wouter Dorigo, Wolfgang Wagner

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## Room A

Time	Event		
09:00-10:50	Scientific Session: CitySmart, Open Source Apps for Urban Management and special event  Conveners: Patrick Hogan, Maria Brovelli	NASA WorldWind: virtual globe for an open smart city	Maria A Brovelli, Candan E Kilsedar, Patrick J Hogan, Gabriele Prestifilippo, Giorgio Zamboni
		City Focus: A web-based interactive 2D and 3D GIS application to find the best place in a city, using open data and open source software	Carolina Arias Muñoz, Simone Corti, Monia Molinari, Daniele Oxoli, Gabriele Prestifilippo
		LISAM: an open source GIS-based model for liveability spatial assessment	Sara Antognelli, Marco Vizzari
		An open-source based toolchain for the georeferencing of old cadastral maps	Jean-Michel Follin, Maïté Fahrasmane, Élisabeth Simonetto
		Special Event: Presentation the winning projects of the NASA WorldWind Europa Challenge	Patrick Hogan
10:50-11:20	Coffee-break		
11:20-12:00	Keynote speaker	Big Geo Data	Maria Brovelli (Politecnico di Milano, Italy)
12:00-14:00	Lunch		
14:00-15:30	Scientific Session: Environmental Modelling  Conveners: Annalisa Minelli, Erwan Bocher	Design of an open source framework for oil spill decision support system	Sahar Mokhtari, Jiri Kadlec
		Open source tools to support Integrated Coastal Management and Maritime Spatial Planning	Stefano Menegon, Alessandro Sarretta, Andrea Barbanti, Elena Gissi, Chiara Venier
		QGIS geoprocessing model to simplify first level seismic microzonation analysis	Giuseppe Cosentino, Francesco Pennica
		Food availability and flight routes for migratory birds: a GIS approach	Clara Tattoni, Erica Soardi, Paolo Zatelli, Marco Ciolfi
15:30-16:00	Coffee-break		
16:00-17:30	Scientific Session: Risk, hazard and disaster management  Conveners: Martin Mergili, Ivan Marchesini	Open technologies for monitoring systems aimed at disaster risk reduction	Massimiliano Cannata, Yann Chemin, Milan Petar Antonovic, Lahiru Wijesinghe, Vivien Deparday
		The open geohazard widget to perform environmental risk analysis	Carlo Cipolloni, Matija Krivic, Matevž Novak, Marco Pantaloni
		An Open source GIS-based tool for economic loss estimation due to flood events	Simone Sterlacchini, Marco Zazzeri, Giacomo Cappellini, Michele Pastormerlo, Alessandro Bonazzi
		HELP - An Early warning dashboard System, built for the prevention, mitigation and assessment of disasters, with a flexible approach using open data and open source technologies	Lorenzo Amato, Dimitri Dello Buono, Francesco Izzi, Giuseppe La Scaleia, Donato Maio
17:30-17:50	Closing and presentation of the workshops (day after 14/10/2016)		

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# Room B

Time	Event
09:00-10:50	<p>Scientific Session: Spatial Statistics Conveners: Pierluigi De Rosa, Enrico Guastaldi</p> <p>Delineating flood prone areas using a statistical approach Ivan Marchesini, Mauro Rossi, Paola Salvati, Marco Donnini, Simone Sterlacchini, Fausto Guzzetti</p> <p>Hotspot analysis: a first prototype Python plugin enabling exploratory spatial data analysis into QGIS Daniele Oxoli, Mayra A Zurbarán, Stanly Shaji, Arun K Muthusamy</p> <p>Spatial interpolation techniques for a near real-time mapping of Pressure and Temperature data Ilaria Ferrando, Pierluigi De Rosa, Bianca Federici, Domenico Sguerso</p> <p>Summer Heat Risk Index: how to integrate recent climatic changes and soil consumption component Alfonso Crisci, Luca Congedo, Marco Morabito, Michele Munafò</p> <p>Building size modelization Arlette Antoni, Thierry Dhorne</p>
12:10-14:00	Lunch
14:00-15:30	<p>Scientific Session: Open computational landscape genetics Conveners: Stephane Joost, Solange Duruz</p> <p>Open computational landscape genetics Stéphane Joost, Solange Duruz, Estelle Rochat, Ivo Widmer</p> <p>CartograTree: Enabling Landscape Genomics for Forest Trees Nic Herndon, Emily S Grau, Iman Batra, Steven A Demurjian Jr., Hans A Vasquez-Gross, Margaret E Staton, Jill L Wegrzyn</p> <p>Integrating GIScience and Crop Science datasets: a study involving genetic, geographic and environmental data Roberto Santos, Adam Algar, Richard Field, Sean Mayes</p> <p>Probabilistic graph models for landscape genetics Brook G Milligan</p>
15:30-16:00	Coffee-break
16:00-17:30	<p>Scientific Session: Open Data, Standards and Education Conveners: Olivier Ertz, Gwendall Petit</p> <p>Implementing an open source spatio-temporal search platform for Spatial Data Infrastructures Paolo Corti, Benjamin G Lewis, Tom Kralidis, Jude Mwenda</p> <p>Open source GIS for geological field mapping: research and teaching experience Mauro De Donatis, Mauro Alberti, Carlo Cesarini, Marco Menichetti, Sara Susini</p> <p>WebWorldWind, achievements and future of the ESA-NASA partnership Yann Voumard, Paulo Sacramento, Pier Giorgio Marchetti, Patrick Hogan</p>

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