NEMOH Final Conference



The Final NEMOH Conference is the conclusive event of a 4-years path during which 18 international young scientists have been trained in different quantitative aspects of volcanology. NEMOH developed through both background training and more specialized training tailored to the specific research carried out by the single fellows, according to continuously updated Personal Career Development Plans.

The Conference will allow the NEMOH fellows to present and discuss their scientific activity and achievements, and will expose them to a top-level selection of international volcano scientists and related sectors of the industry. Open issues as well as current and future trends in several aspects of volcano science will be discussed. An overarching goal is that of completing the training under NEMOH by inviting the fellows to interact with senior colleagues in order to identify relevant developments for the next future, that might catalyze research activities in volcano science for the years coming.

NEMOH is an Initial Training Network under the European Community FP7. The training objective of NEMOH is that of forming the next generation of European volcanologists, capable of extending further the knowledge and understanding of volcano dynamics and the methods and paradigms for volcanic hazard evaluation. Training is conceived to develop in the context of internationally coordinated research structured in closely interconnected research activities.

Venue

Palazzo Platamone - Catania Culture Building Via Vittorio Emanuele II, 121 Comune di Catania (Sicily), Italy

Registration

Deadline for registration: 29 October 2015

Registration form available at: www.nemoh-itn.eu

PROGRAM

Day I, 16 November		Day II, 17 November		Day III, 18 November	
9:00 - 9:30	Registration	8:50 - 9:00	Welcome	8:50 - 9:00	Welcome
9:30 - 9:40	Welcome from the INGV President, Stefano Gresta	9:00 - 9:30	Sigurður H. Markússon (Landsvirkjun National Power Company, Iceland), Volcanology and the geothermal industry	9:00 - 9:30	Valerio Acocella (Chief Editor, Frontiers in Earth Science - Volcanology) and Joachim Gottsmann (Executive Editor Solid Earth.),
9:40 - 10:00	Paolo Papale, Project Coordinator	9:30 - 9:55	,		Open publishing
10:00 - 10:25	Johannes Thun, Exploring near-field effects of seismic sources with high density seismic		Julie Oppenheimer, Gas transport and flow regimes in crystal-bearing magmas	9:30 - 10:10	Mauro Rosi, Recent developments in emergency planning at Vesuvius: the
10:25 - 10:50	networks Léna Cauchie, Probabilistic inversion of	9:55 - 10:20	Cristian Montanaro, Steaming badly in volcanic system		major scientific and operational challenges
10.25 10.50	observed and simulated geophysical data at volcanoes	10:20 - 10:45	Laura Spina, Investigation on the Slow Decompressive Response of Volatile- and Crystal-Bearing Magmas, by Analogue	10:10 - 10:35	Deepak Garg, A finite element model for magma dynamics in deforming reservoirs
10:50 - 11:20	Coffee break		Experimental and Numerical Approaches	10:35 - 11:00	Francisco Delgado Vences, A spectral numerical method for stochastic
11:20 - 12:00	Joachim Gottsmann, From integrated volcano monitoring to next-generation	10:45 - 11:15	Coffee break		differential equations
	modelling: critical steps for a successful partnership	11:15 - 11:55	Don Dingwell, Rheology experiments on magmas and lavas	11:00 - 11:30	Coffee break
12:00 - 12:25	Claudio Trovato, Long Period events at Mt.	11:55 - 12:20	Antonio Capponi, <i>Gas slug ascent in a</i>	11:30 - 12:10	Charles Mandeville, Challenges for Volcanic Hazard Risk Reduction in the
	Etna volcano: Moment Tensor inversion and uncertainties in the source model		stratified magma: implications for shallow conduit dynamics in Strombolian eruptions	12:10 12:25	Next Decade
12:25 - 12:50	Werner Wittmann, Modelling of volcano deformation and heat-flow variations at	12:20 - 12:45	Damien Gaudin, Observations and modelling of gas and pyroclast ejection in	12:10 - 12:35	Samantha Engwell, Dynamics and deposits of coignimbrite plumes
	volcanoes		explosive volcanism	12:35 - 13:00	Eduardo Rossi, Sedimentation and aggregation of volcanic particles
12:50 - 14:30		12:45 - 14:15	Lunch	13:00 - 14:30	Lunch
14:30 - 15:10	Freysteinn Sigmundsson, Increasing role of volcano geodesy in volcanology: Lessons learned from recent Icelandic eruptions and future developments	14:15 - 14:55	Giovanni Chiodini, Episodes of volcanic unrest controlled by magma degassing: geochemical and geophysical evidence and physical modeling	14:30 - 15:10	Chris Newhall, Learning from volcanoes around the world
15:10 - 15:35	Beatriz Martinez Montesinos, Seismic	14:55 - 15:20	Karen Strehlow, Aquifers in volcanic	15:10 - 15:35	Alex Marti, On-line coupling of volcanic ash and aerosols transport with global
	propagation effects in the upper volcanic edifice	11100 10120	regions: Monitoring capabilities and hazards		and regional meteorological models
15:35 - 16:00	geophysical signals associated with magma	15:20 - 16:00	Giovanni Macedonio, <i>Physical modeling of</i> eruption processes	15:35 - 16:00	Pablo Tierz , Probabilistic Volcanic Hazard Assessment of Pyroclastic Density Currents
	and heat transfer			16:00 - 16:30	Coffee break
16:00 - 16:30	Coffee break	16:00 - 16:30	Coffee break	16:30 - 18:00	Discussion
16:30 - 18:00	Discussion Reporters:	16:30 - 18:00			Reporters: Arnau Folch
	Magnus T. Gudmundsson		Reporters: Alison Rust		Olivier Jaquet
	Ivan Lokmer Hideo Aochi		Katharine Cashmann		Chiara Cardaci Moderator:
	Moderator:		Moderator: Bettina Scheu		Costanza Bonadonna
	Chris Bean	19:00 - 10:00	NEMOH follows' postor sossion	18:00 - 19:00	NEMOH fellows' poster session
18:00 - 19:00	NEMOH fellows' poster session	19:00 - 19:00	NEMOH fellows' poster session	15.00 15.00	HEITOTT TEHOWS POSTER SESSION