

Monday 21 October		Tuesday 22 October		Wednesday 22 October		Thursday 24 October		Friday 25 October	
	<i>convener</i>	<i>Susana Custodio</i>			<i>convener</i>	<i>Antonio Pio Rinaldi</i>	<i>convener</i>	<i>Licia Faenza</i>	
	09:00 - 09:30	Louis de Barros "Seismic migration driven by fluid-induced aseismic slip in natural swarms and anthropogenic induced sequences"			09:00 - 09:30	Yoshida Keisuke "Earthquake Swarms in Japan Triggered by Upward Fluid Migration following the 2011 M9 Tohoku Earthquake and the 2024 Mw7.5 Noto Peninsula Earthquake"	09:00 - 09:30	Sebastian Hainzl "How can anthropogenic and natural swarms be distinguished from self-driven, epidemic-type earthquake sequences?"	
	09:30 - 09:50	Alessandro Vuan "Off-fault Triggered Swarms after L'Aquila 2009 and Central Italy 2016-2017 seismic sequences"			09:30 - 09:50	Liu Min "Intersection between tectonic faults and magmatic system promotes swarms with large magnitude earthquakes around the Tengchong Volcanic Field, SE Tibetan Plateau"	09:30 - 09:50	David Marsan "Flexible objective methods for detecting swarms: the cases of the Chilean subduction zone and the complex Amatrice-Norcia sequences"	
	09:50 - 10:10	Claudio Chiarabba "Seismic swarming in the Apennines: Insights into their evolution"			09:50 - 10:10	Tomas Fischer "Seismic swarm and graben formation preceding the Grindavik 2023 eruption"	09:50 - 10:20	Andrea Lienos "Improving forecasts during earthquake swarms"	
	10:10 - 10:30	Kris Pankow "Contrasting Anthropogenic-Induced Swarms and Natural Swarms"			10:10 - 10:30	Pavia Hrubcova "Pre-eruption 2021 seismic swarm at Fagradalsfjall, Iceland as a sensitive indicator of volcano-tectonic movements"	10:20 - 10:40	Beata Orlecka-Sikora "Deciphering Earthquake Preparatory Processes: Perspectives on Subcritical Fracture Growth and Similarities in Rupture Growth Phases in Anthropogenic Seismic Swarm Activity"	
	10:30 - 11:00	<i>coffee break</i>			10:30 - 11:00	<i>coffee break</i>	10:40 - 11:10	<i>coffee break</i>	
	<i>convener</i>	<i>David Marsan</i>			<i>convener</i>	<i>Jurgen Neuberg</i>	<i>convener</i>	<i>Micol Todesco</i>	
11:00 - 13:00	Welcome buffet & Registration	Patricia Martínez-Garzón "The 8-month journey towards the 2023 MW 7.8 Kahramanmaraş earthquake: persistent seismicity clustering and anthropogenic activities"				Eleonora Rivalta "Numerical modelling of the seismicity induced by propagating hydraulic fractures"		Jurgen Neuberg "Seismo-Volcanic Earthquake Swarms – Source mechanisms and forecasting potential"	
		Sigurjon Jonsson "Slow Slip in Earthquake Swarms on Oceanic Transform Faults? Lessons Learned from the Húsavík-Flatey Fault in North Iceland"			11:20 - 11:40	Luigi Passarelli "Unraveling hydro-fracturing mechanism: Is the analysis of induced-seismicity alone sufficient?"	11:30 - 11:50	Stephen Malone "Seismic Swarms of the Cascade Volcanoes and Magma Replenishment"	
		David Essing "Swarm seismicity as indication for magmatic activity along ultra-slow spreading Ridges: insights from a high-resolution earthquake catalog obtained from Gakkel Ridge Deep (Arctic Ocean)"			11:40 - 12:00	John Wilding "The Pahala Sill Complex swarm illuminates magma dynamics in the mantle"	11:50 - 12:10	Daniilo Galluzzo "Recent VI earthquake swarms in Campi Flegrei (Italy)"	
		Susana Custodio "Seismic swarms in the Azores: The example of the February 2018 São Miguel crisis"			12:00 - 12:20	Jean Schmitzbuhl "The 2019-2022 sequence of induced seismicity below the city of Strasbourg, France : insights from large-scale reservoir modeling"	12:10 - 12:30	Gilberto Saccorotti "Source properties and clustering styles of the recent seismicity at the Campi Flegrei volcanic complex (Italy)"	
		<i>Discussion</i>			12:20 - 13:00	<i>Discussion</i>	12:30 - 13:00	<i>Discussion</i>	
13:00 - 14:30	<i>lunch</i>	13:00 - 14:30	<i>lunch</i>		13:00 - 14:30	<i>lunch</i>	13:00 - 14:30	<i>lunch</i>	
	<i>convener</i>	<i>Mario La Rocca</i>	<i>convener</i>		<i>convener</i>	<i>Kris Pankow</i>	<i>convener</i>	<i>Lucia Zaccarelli</i>	
14:30 - 14:45	Luigi Passarelli Welcome intro	14:30 - 14:50	Massimo Cocco "Re-activating a natural fault zone in the Bedretto underground Laboratory"		14:30 - 15:00	Gesa Petersen "Complex microseismic sequences in complex geotectonic environments: A challenging view into the subsurface"	14:30 - 15:00	Pilar Sanchez-Pastor "Silent subsurface variations in seismic recordings"	
14:45 - 15:15	Claudio Chiarabba Pollino overview and Pollino Near Fault Observatory	14:50 - 15:20	Elisa Tinti "Micro-earthquakes Induced by Fluid Injection: Distinctive Characteristics of Dynamic Rupture Models and near-source recorded observations"		15:00 - 15:20	Enrico Serpelloni "Multidisciplinary analysis of near fault observatory data: example from the Alto Tiberina fault (Northern Apennines, Italy)"	15:00 - 15:20	Wang Zhiwei "Dynamic Triggering of Earthquakes in Yunnan, China: Insights into the Influence of Distant M>6 Earthquakes and Geothermal Fluids"	
15:15 - 15:45	Ferdinando Napolitano "The role of fluids in driving the Pollino swarm-like sequence"	15:20 - 15:40	Antonio Pio Rinaldi "Real-time modeling of injection-induced seismicity: results from the DEEP project"		15:20 - 15:40	Eugenio Mandler "The Umbertide 2023 Seismic Sequence: relative velocity variations, ground deformation and role of fluids"	15:20 - 15:40	Blandine Gardonio "Seismicity acceleration and clustering before the Mw7.9 Gorkha earthquake, Nepal"	
15:45 - 16:05	Giuseppe Davide Chiappetta "Low magnitude seismic swarms in the Calabrian Arc (Italy)"	15:40 - 16:00	Shu Weiwei "Complex seismic sequences originated from the collective behavior of asperities: an experimental approach"		15:40 - 17:10	<i>Aperi-Posters I</i>	15:40 - 17:10	<i>Aperi-Posters I</i>	
16:05 - 17:30	<i>Aperi-Posters I</i>	16:00 - 17:30	<i>Aperi-Posters I</i>		17:10 - 17:40	Simone Cesca "Anti-repeating earthquakes in swarms and complex sequences"	17:10 - 18:00	<i>Luigi Passarelli guiding discussion</i>	
17:30 - 18:00	Giovanna Calderoni "Investigating the Complexity of the 2010-2014 Pollino Seismic Sequence: A Comparative Study of Stress Drop Estimates Using Diverse Methods"	17:30 - 18:00	Hao Chen "Can we develop new models for seismogenesis using advances in the laboratory?"		17:40 - 18:30	<i>Discussion</i>			
18:00 - 18:30	<i>Discussion</i>	18:00 - 18:30	<i>Discussion</i>						
		Evening event	Social Dinner + Live Band (local folk music)		Evening event	Movie night	Evening event	Closing party	
Legend:	<i>Invited Speakers</i>								
	<i>Conveners</i>								

FIELD TRIP

Aperi-Posters I (Monday-Tuesday)			Aperi-Posters II (Thursday-Friday)		
Abacha Issam	1	Revisiting the 2007 Mila Water Pumping Leakage Induced-Swarm (NE Algeria): High Precision Relocation and Statistical Analysis	Eyles Jade	1	Constraining links between seismicity and eruptive behaviour at Mt. Etna before, during and after the 2018 flank eruption
Rahmani Taki-Eddine Sofiane	2	Unraveling Seismic Patterns: A Deep Dive into Earthquake Sequences and Swarms in Northeastern Algeria through a Dual Method Approach	Tsuchiyama Ayako	2	The evolution of seismic behavior in the Bucaramanga earthquake nest, Colombia
Fonzetti Rossella	3	Machine-learning catalog building applied on the Campi Flegrei Caldera swarm	Corrado Paola	3	Statistical analysis of earthquake clusters in the 2016/17 central Italy sequence identified with machine learning
Zaccarelli Lucia	4	Correlations and change points identification in crustal anisotropy, b-value and vp/vs, time series during seismic swarm occurrences in the Alto Tiberina Fault zone (Italy)	Minetto Riccardo	4	Discriminating between high-hazard and low-hazard faults through cluster analysis: A case study of induced seismicity at the Gosven deep geothermal energy site, Strasbourg, France
Hartog Renate	5	Swarms in the Pacific Northwest of North America	Amezawa Yuta	5	Migration diffusivity as a controlling factor in the duration of earthquake swarm
Vuan Alessandro	6	Multi-depth spatiotemporal evolution of the Sora seismic sequence (MW4.8, central Apennines)	Kotha Reddy Sreeram	6	Ground-Motion Analyses of Maurienne Swarm (2017-19)
Tinti Elisa	7	The Influence of Lithology and Fault Source Volume on the Magnitude Frequency Distribution of Earthquakes	Ndibi Etoundi Delair Dieudonne	7	Using earthquake time series to characterize seismicity in the Mount Cameroon region
Derode Benoit	8	Fluid-driven seismic swarms in the Gripp valley (Haute-Pyrénées, France)	Martínez-Garzón Patricia	8	Stress heterogeneities governed by fault structure and stress transfer: the 2016-2017 central Italy seismic sequence
Wilnelly Ventura Valentin	9	Automated Detection and Characterization of Swarms and Mainshock-Aftershock Sequences in Southern Mexico	Pintori Francesco	9	Hydrology Drives Crustal Deformation and Modulates Seismicity: Case Studies from the Matese Massif and Eastern Southern Alps (Italy)
Peruzza Laura	10	Swarm-like microseismicity in the Northeastern Italy: some hints from a decade monitoring of the Collalto Seismic Network	Zhiwei Wang	10	Understanding and Managing Trailing-Induced Seismicity: A Quantitative Analysis of Influencing Factors
Borleanu Felix	11	Seismic Analysis of the 2023, ML 5.7 Southern Carpathians Earthquake Sequence: Insights into Seismicity Patterns, Crustal Structure and Stress Dynamics	Rossi Francesca	11	Fault linkage and distributed seismicity
Michas Georgios	12	Deciphering the spatiotemporal complexity and the stress state evolution of the 2021 Arkalochori (Crete) foreshock swarm with a deep-learning catalog	Carrasco Sebastian	12	Preliminary observations of swarms and remote dynamic triggering along the Liquiñe-Ofqui fault system in southern Chile
Lecoq Thomas	13	Seismic Activity in Belgium: Characterizing Swarm-Like Patterns and Geothermally Induced Seismicity	Jean-Luc Got (presented David Marsan)	13	Swarm-like seismicity on basaltic volcanoes: what we can learn from taking into account damage and stress diffusion
Villa Valeria	14	The Fingerprints of Swarms in the San Jacinto Fault Zone	Glück Elisabeth	14	Seismicity patterns and their source regions at Krafla (N-E Iceland)
Giulio Poggiali	15	High Resolution Earthquake Catalog Characterizing Faults Geometry and Source Mechanisms in a Complex Extensional Fault System: the Altoiberina Fault Case Study	Marius Isken	15	Oseek: A data-driven Earthquake Detection, Localisation and Characterisation Framework