



Riunione Comitato Scientifico del Congresso 2024 - SGI-SIMP

Minuta

La terza riunione del comitato scientifico del Congresso Internazionale *“Geology for a sustainable management of our planet”*, organizzato congiuntamente dalla Società Geologica Italiana (SGI - 93° Congresso), in veste di capofila, e dalla Società Italiana di Mineralogia e Petrologia (SIMP), si è tenuta il giorno 17/01/2024 alle ore 10.30 tramite la piattaforma Zoom gestita dalla SGI.

Alla riunione erano presenti i seguenti membri del Comitato Scientifico: Giuseppina Balassone, Domenico Calcaterra, Serafina Carbone, Chiara Cardaci, Domenico Chiarella, Angelo Cipriani, Paolo Conti, Sandro Conticelli (Presidente), Patrizia Fiannacca, Diego Gatta, Giovanni De Giudici, Lara Maritan, Ilaria Mazzini, Barbara Nisi, Giovanna Rizzo, Laura Scognamiglio e Chiara Varone.

Risultavano essere assenti giustificati: Lucia Angiolini, Angelo Camerlenghi, Guido Giordano, Annalisa Martucci, e Stefano Mazzoli, Stefano Poli, Mauro Soldati, Mario Tribaudino.

Sono intervenuti come invitati: Bernardo Carmina (Comitato Organizzatore), Fabio M. Petti (Segreteria SGI), Luisa Sabato (Presidente Congresso), Manuela Schingaro (Presidente Congresso).

Raggiunto il numero legale la riunione ha avuto inizio alle ore 10.35. Il presidente del Comitato Scientifico saluta i presenti e apre i lavori.

Su richiesta del Presidente del Comitato Scientifico, Bernardo Carmina riferisce che sono state presentate 115 proposte di sessione scientifiche, superando il numero di sessioni proposte nelle due precedenti edizioni del Congresso (ca. 50). Sono state, inoltre, presentate delle statistiche relative al numero medio di abstract presentati in ciascuna sessione scientifica nelle precedenti edizioni del Congresso SGI – SIMP (Vedi Tabella).

Il Presidente del Comitato Scientifico propone la costituzione di gruppo di lavoro composti, ciascuno da tre membri del comitato scientifico, così si possano valutare eventuali sovrapposizioni, complete o parziali, delle tematiche affrontate nelle sessioni scientifiche proposte. Dopo ampia discussione ed interventi di tutti i membri del Comitato Scientifico presenti, sono stati definiti 20 gruppi di lavori che lavoreranno su altrettante macro-tematiche e che, nella prossima riunione del Comitato Scientifico, relazioneranno sulle macro-tematiche di competenza.

Alle ore 11.45 non avendo più nulla da discutere la seduta è tolta e si rimandano i lavori alla prossima riunione prevista per venerdì 19 gennaio 2024 alle ore 10:30.

Qua sotto sono riportati i dati elaborati sulla sostenibilità congressuale degli ultimi due congressi congiunti (SGI-SIMP 2022, Torino e SIMP-SGI 2023, Potenza), e la lista integrale delle proposte e della selezione del topic di appartenenza proposta dal/dalla sottomittente.

	A	B	C	D	E	F	G	H
	Ultimi Congressi	Sessioni Proposte	Sessioni attivate	Sale disponibili	Delegati	Abstract	Abstract x sessione	Abstract x Delegato
1								
2	SGI-SIMP, Torino 2022	75	47	8	920	882	18.8	0.96
3	SIMP-SGI-SoGel-AIV, Potenza 2023	85	44	8	747	890	20.2	1.19
4	SGI-SIMP, Bari 2024	115	-	8	-	-	-	-
5								



TOPIC	SESSIONE	TITOLO
Biogeosciences	P1	Geobiological and geochemical integrate approaches for detection of new environmental proxies stored in recent to fossil bioconstructions
	P2	Microbe-mineral interactions and their roles in geological and environmental processes
	P3	The global challenge of plastic pollution: causes, impacts and solutions
Climate in the past, present and future	P4	Antarctica and the Arctic: unravelling the geological past and future evolution of polar regions
	P5	Geoscience tools for the analysis of the archaeological record: spanning from individual sites to the broader landscape
	P6	Quaternary climate and environment: exploring the past to understand the present and better predict the future
	P7	Reconstruction of palaeoenvironment and palaeoclimate using geochemical proxies and isotopes
Cultural and geoheritage	P8	Assessing geological risks of archaeological sites and methodologies for diagnostic and sustainable conservation of Cultural Heritage
	P9	Geodiversity for a sustainable planet
	P10	Geomaterials and Natural Stones in Cultural Heritage: Characterization, Preservation and Sustainable Practices
	P11	Geosciences and advanced materials for cultural heritage
	P12	Geosciences for Cultural Heritages
	P13	Geosciences for diagnostics and conservation of Cultural Heritage
	P14	Geosciences on display: the role of Natural History Museums in the future of our planet
	P15	Raising awareness on geodiversity: a must for the geoscientist
	P16	Vibrational spectroscopy studies of geomaterials in cultural heritage: case studies and new perspectives
	P17	Wandering to learn: Geotourism as a medium for the dissemination of Geodiversity
	P18	Advances in geosciences using multi-dimensional digital models
Earth observation and modelling	P19	Constraints for 3D geological models of sedimentary basins: restoring the knowledge of surface and subsurface stratigraphy for multiple geological applications
	P20	Experiences of data sharing and use in the frame of Research Data Infrastructures
	P21	High-resolution chemical and textural imaging techniques as analytical tools in Earth Sciences
	P22	Multi-platform Remote Sensing techniques and modeling in different geological and environmental contexts
	P23	New Approaches and Future Perspectives for Earth and Environmental Sciences using Remote and Proximal Sensing, UAVs, and Geomatic Technologies
	P24	Numerical modelling of Earth processes and risks: methodologies and perspectives for quantitative insights in the understanding of the phenomena
Geochemistry	P25	Geological, Geochemical and Petrological methods to understand the evolution of geothermal systems
	P26	Recent advancements in the application of conventional and unconventional stable isotopes in environmental sciences and hydrogeological processes
Geological Mapping	P27	Field and digital geological mapping: the numerous facets of CARG project from crystalline basement to sedimentary deposits
Geomorphology	P28	Geomorphology in the Anthropocene: from human-landscape interaction to geoheritage management issues
	P29	Magnitude, rates, and timing of landscape evolution, and quantifying techniques
	P30	The employment of space-based remote sensing technologies for monitoring surface dynamics and landscape evolution
	P31	The use of Artificial Intelligence for the study and monitoring of coastal areas
Industrial application in mineralogy, petrography and geochemistry	P32	Advanced inorganic materials in circular economy
	P33	Advanced minero-chemical characterization and processing of waste for a conscious reuse
	P34	Advancements in Geomaterials for a Sustainable Development: State-of-the-Art, Characterization and Applications
	P35	Geosciences for the characterization, exploration and exploitation of primary and secondary mineral resources
	P36	Recovery and valorization of natural, civil and industrial waste in sustainable building products
	P37	The role of geochemistry and mineralogy for sustainable georesources management and industrial waste valorization
	P38	Unexplored uses of clays and natural zeolites in sustainable environmental applications
Mineralogy	P39	Mineralogy behind Earth processes: insights from the atomic to the macroscopic scale
	P40	Ore Minerals and Ore Deposits: the Backbone of the Green Transition
	P41	The science of clays: from genesis to applications
	P42	Wastes, minerals and environment
Natural Hazards and risks	P43	Analysis and management of high rocky coast areas, from risk assessment to impact perspective
	P44	Assessing and mitigating natural risks: the role of geology
	P45	Citizen Science for risk reduction strategies and sustainable management
	P46	Geomorphological and historical analysis as a research tool for the identification of geo-hydrological risk prone-areas
	P47	Guidelines and perspectives of seismic microzonation in Italy: from geothematic cartography to numerical modelling
	P48	Integrated Remote Sensing methodologies for natural hazards and risks monitoring
	P49	Landslides modelling and prediction: complex tasks that need a variety of high-quality data
	P50	Landslides monitoring and prediction: new monitoring and modelling tools under the geological perspective
	P51	Multihazard investigation, assessment and mapping techniques in urban areas
	P52	Natural and Anthropogenic Sinkholes, and their impacts on environment and society
	P53	Natural vs. anthropogenic land subsidence in alluvial coastal plains
	P54	Protects and heats
	P55	Risk in Coastal Areas
	P56	The remarkable sulfur properties
	P57	Understanding the Campi Flegrei magmatic-hydrothermal system and its time changes
	P58	Urban developments and natural risks
	P59	Wildfires, erosion and landslides in burned areas



TOPIC	SESSIONE	TITOLO	
Other	P60	Building with Nature: from river corridors to coastlines	
	P61	Caves, mines and other underground spaces as field laboratories in environmental geology	
	P62	Digital transition of multiscale geological datasets from satellite imagery to microscale investigations	
	P63	Geophysics and Tectonics: experimental, theoretical and observational studies	
	P64	Geological storage for energy transition: concepts, methods, modelling and applications	
	P65	Geosciences revamp and sustainable planning strategies: multidisciplinary is the way	
	P66	Origin and evolution of ophiolite suites and their mineralization: an interdisciplinary approach	
Outreach and education	P67	Women in Geosciences: a journey through the social changes from the past to present and future scenarios	
	P68	BACK TO THE FUTURE. History of geological studies and mapping as a key for sustainable development	
	P69	Exploring geoscience communication	
	P70	Geosciences at School 2024	
Palaeontology	P71	When Earth Sciences rhyme with arts	
Petrology	P72	Fossil record, paleoenvironment and climate change throughout the Neogene and Quaternary Earth history	
	P73	OPEN - Often Petrology Entails Novelties	
Planetary Sciences	P74	Opening Pandora's box: inclusions in minerals	
	P75	The evolution of the Earth's lithosphere: clues from mantle rocks, primary melts and crustal sections	
Seismology	P76	New frontiers of Planetary Geology	
	P77	Challenges in the characterization of active faults: the contribution from seismology, geodesy, and structural analysis	
	P78	Advances in understanding carbonate platform systems	
	P79	Carbonate factories as record for paleoenvironmental change	
	P80	Chemostratigraphy through time and space. How carbonate systems record Earth Evolution in their isotope signatures, from continental to deep-water successions	
	P81	Exploring river delta dynamics: bridging the past and present with insights into processes, models, and anomalies	
	P82	Frontiers in the regional geology of the Apennines: A multidisciplinary perspective	
	P83	Global Stratotype Section and Points (GSSPs) and Standard Auxiliary Boundary Stratotype (SABSS): state of art, current research, and future perspectives	
	P84	Open session on Stratigraphy	
	P85	Post-orogenic extension in the Apennine chain: tectonics, basin formation and infill processes	
	P86	Sands and Sandstones: from characterization to applications	
	P87	Sedimentary basins from burial to exhumation: applications for a sustainable future	
	P88	Stratigraphic and morphological markers of extreme events during the Quaternary	
	P89	The evolution of the Circum-Mediterranean Chains as recorded by stratigraphic, sedimentary, petrographic, and geochemical signals of ancient deep marine systems: new data and recent advances	
	Stratigraphy and Sedimentology	P90	Weathering and erosion of rocks: genetic processes, rates of sediments production, provenance, paleoclimatic and tectonic constraints
P91		Georesources in orogens and basins: thermal processes, fluid-rock interaction and structural constraints	
P92		Groundwater resources innovation and sustainability: from characterisation to management of degradation risks	
P93		Innovation toward sustainable and regenerative farming	
P94		New frontiers in georesources exploration, exploitation storage and monitoring	
P95		New frontiers in sustainable engineering geology design	
P96		Recent advances in karst research, with particular focus on underground waters	
P97		Sustainable raw material supply to boost the green and digital transition: the role of mineral waste recovery and recycling	
Sustainability for energy and resources, agriculture, water management and food traceability	P98	The role of the unsaturated zone for the sustainability of the groundwater resources	
	P99	Active faults and crustal deformation in Italy: state of the art	
	P100	Evolution of the Variscan crust	
	P101	Geological and geophysical data, tools, and models for the exploration of the Earth crust in times of energy transition	
	P102	Geological models at meso and macro scales: new insights for mitigating uncertainty through multidisciplinary approaches	
	P103	Interplay between Deformation, Fluid Flow and Fluid-Rock Interactions in Sedimentary Rocks: Implications for Seismicity, Basin Analysis and Reservoir Characterization	
	P104	Linking deep-seated and surface processes: fate and evolution of sedimentary basins	
	P105	Multidisciplinary approaches to the geometric and kinematic definition of seismogenic faults	
	P106	Natural and experimental outlooks into earthquake mechanics, from kilometre to nanometre scale	
	P107	New challenges in reservoir and seal rocks characterization	
Tectonics and Structural Geology	P108	Seismotectonic settings in the Mediterranean region: active tectonics and seismicity, from pre-historical records to Present	
	P109	Structural geology and geochronology: a powerful bond to unravel the evolution of orogenic belts	
	P110	Talking Crystalline Basement	
	P111	The mechanics of earthquake faulting from seismogenic depth to near surface conditions	
	P112	Unveiling the long-lasting evolution of active margins from field to micro-scale	
	P113	Multi-disciplinary investigation of magmatic processes: experimental petrology, eruptive products analysis and numerical modelling to constrain dynamics and timescales of magmatic processes	
	P114	The power of tephra from micro- to macro-scales: advances and applications of teprostratigraphy and teprochronology to the reconstruction of past explosive eruptions	
	P115	Volcanic deposits as a tool to quantify volcanic hazards towards disaster risk reduction	
	Geodynamics		Nessuna sessione proposta
	Geodesy		Nessuna sessione proposta