



SOCIETÀ GEOLOGICA ITALIANA

Fondata nel 1881 - Ente morale R. D. 17 ottobre 1885



WS4 –WORKSHOP **THROUGH THE BARRICADES: HISTORY OF BOUNDARIES IN GEOLOGY** Online workshop of the 'History of Geosciences' Section of SGI



Friday 17th September, 2021 (09:00 - 17:00 CEST)
[GoToMeeting platform of the Italian Geological Society](#)

Conveners: Marco Pantaloni (ISPRA, Rome, Italy), Alessio Argentieri (Città Metropolitana di Roma Capitale, Rome, Italy), Stefano Furlani (University of Trieste, Italy), Daniele Musumeci (University of Catania, Italy)

Social, cultural, political, but also philosophical borders in some cases follow geographical boundaries, but rarely can be related to geological limits. Thus, history of geological sciences is rich of examples of transnational cooperation between scholars from different countries. In this workshop contributions about researches and projects, challenges and struggle, successes and failures will be hosted, in order to build a mosaic of fragments: episodes in the making of geology. In short, how mankind progressively achieved comprehension of the Earth, from local to global scale, necessarily going through the barricades.



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PROGRAM

1. *GEOLOGY BEFORE BORDERS: THE EARLY HISTORY OF A SCIENCE AND ITS INTERDISCIPLINARY DEVELOPMENT*

9:30 Ezio Vaccari *Geology before borders: the early history of a science and its interdisciplinary development*

9:50 Giandomenico Fubelli *Borders between disciplines in geology: how to transform a limitation in a potential*

10:10 Franco Foresta Martin *The Geology Explained to the People: characters and themes of popularization in Earth sciences*

2. *FROM FOUR TO TWO DIMENSIONS: REPRESENTATION OF THE GEOLOGICAL REALITY*

10:40 Stefano Branca *History of the cartographic representation of the Etna's lava flow borders*

11:00 Marco Pantaloni, Fabiana Console *The history of original geological manuscripts along the Austro-Italian war front*

11:20 Milos Bavec *Geology Knows No Borders. How does it work along the border between Italy and Slovenia*

11:40 Maddalena Napolitani *Painting the mountains between art and Earth sciences during the second half of the 19th century. The case of the painter Claude Hugard (1816-1885)*

12:00 Pietro Mosca, Luca Barale *Geological mapping across the French-Italian border from late 19th to early 20th century*

12:20-12:45 DISCUSSION

LUNCH BREAK

3. *HISTORIES OF PHYSICAL BORDERS*

14:00 Stefano Furlani, Daniele Musumeci *Up and down: the physical and metaphorical border of the coastline*

14:20 Adele Garzarella *Outline of geology of battlefields in the Italian Campaign: the Mountain Warfare from the Gustav to the Gothic Line*

14:40 Alessio Argentieri, Giorgio Vittorio Dal Piaz, Giovanni De Caterini *Geology makes mountains and lands transparent: tales about tunnels and canals*

4. *BEYOND THE BOUNDARIES: APPLICATION OF GEOLOGICAL KNOWLEDGE*

15:10 Claudia Principe, Marina Devidze *Volcan Kazbegi group (Georgia-Russia) - the risk to be at the boundary*

15:30 Maria Faccioli *The work in the quarry and the development of knowledge, on the border between Earth Sciences and History of Technology*

15:50 Andrea Candela *The environment as a technological border: geology and nuclear power plants. A historical perspective*

16:10-16:30 DISCUSSION

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