Italian Geological Maps – More than a colored picture

Using geological maps to support better policies for society

PANEL 1C

Stepping through geological maps

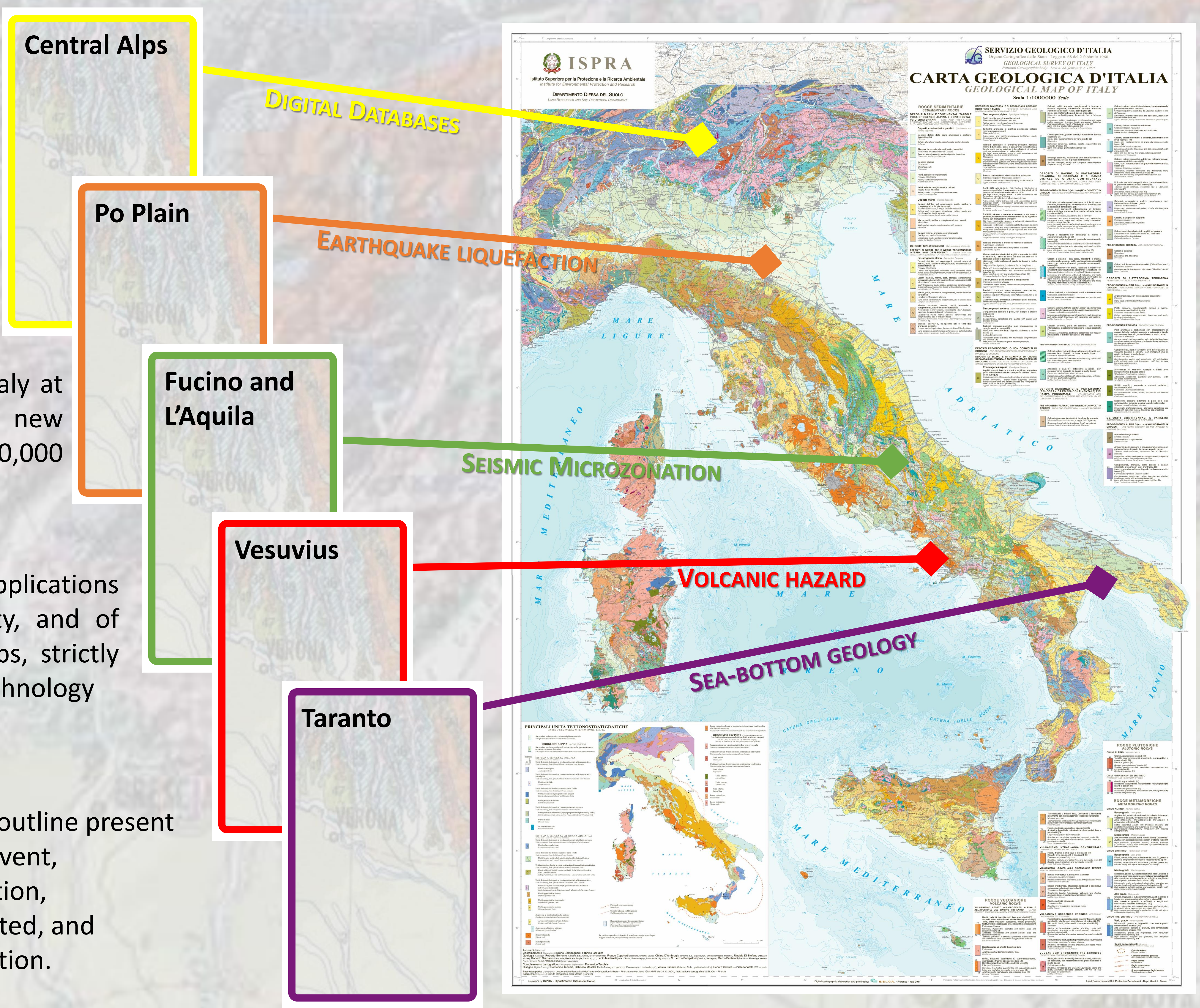
This exhibition is organized as an itinerary in space and time.
Five areas of the Italian territory are illustrated through geological maps and their applications.

The geological mapping history of each area is illustrated by three panels.

Early days of cartography
Historical maps from the Cartographic Collection of the ISPRA Library

Official Geological Maps
From the Geological Map of Italy at 1:100,000 scale to the new Geological Map of Italy at 1:50,000 scale: changes and novelties

Applications
Examples of geological map applications with a high impact on society, and of next-generation geological maps, strictly connected with Information Technology



The three panels with the blue outline present

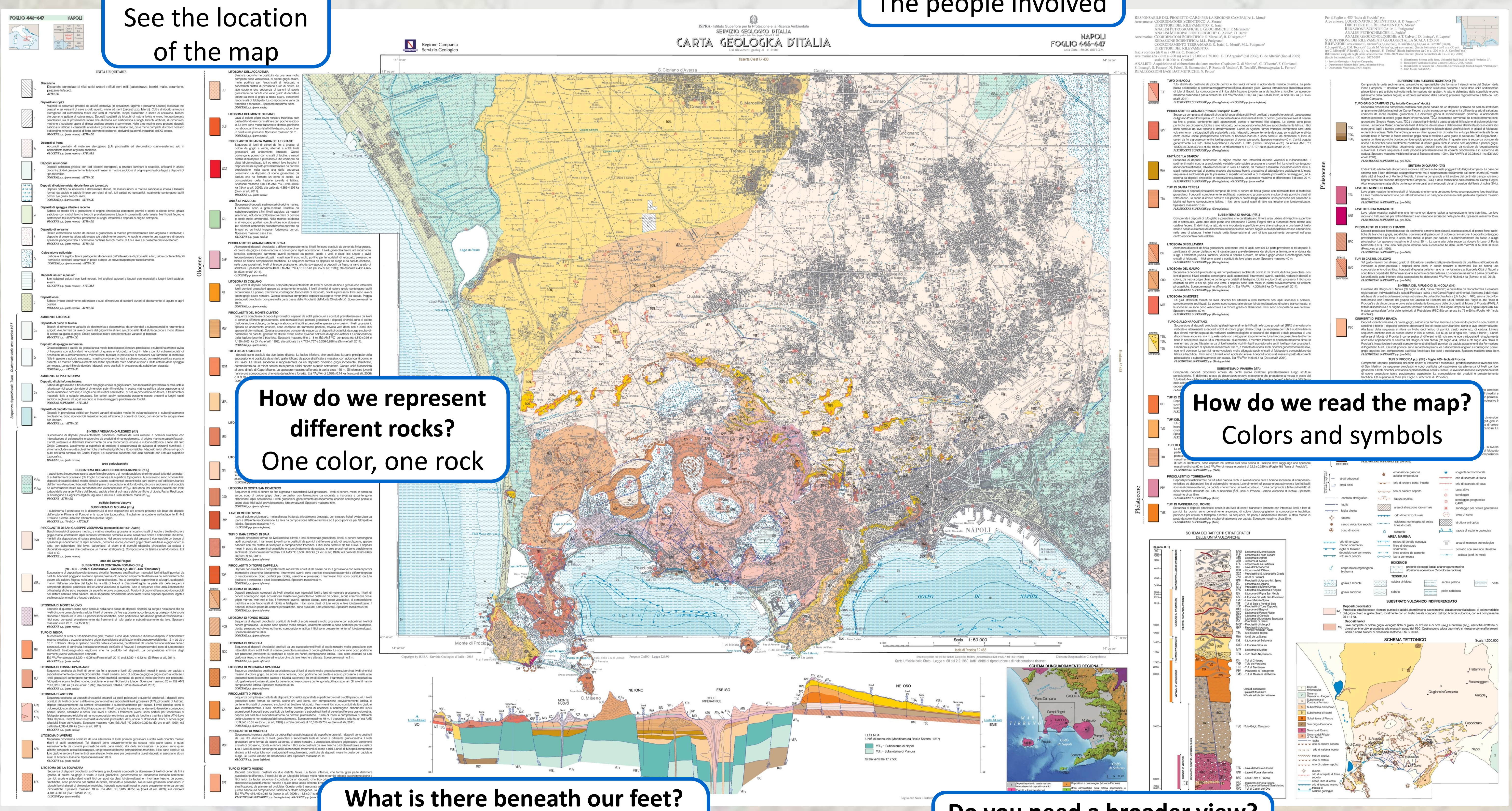
- the International Map Year event,
- the motivation of this exhibition,
- how a geological map is created, and
- an introduction to the exhibition.

Almost all geological maps presented in this exhibition can be retrieved through the following ISPRA web addresses:

Cartographic Collections http://www.isprambiente.gov.it/it/museo/copy_of_collezioni-cartografiche
Library catalogue OPAC http://opac.isprambiente.it/SebinaOpac/Opac (historical maps view and download, in high definition)
Geological Map of Italy 1:50,000 http://www.isprambiente.gov.it/Media/carg/index.html
Geological Map of Italy 1:100,000 http://193.206.192.231/carta_geologica_italia/default.htm

For the other maps the references are reported in the text.

A geological map is a symbolic representation of the geology of a region; through colors, codes and symbols geologists and cartographers represent the position and distribution of different types of outcropping rocks, their age, relationships, type of contacts. Symbols and patterns are used for tectonic and morphologic elements, and for anthropic activities (e.g. mines, pits, waste dump sites, anthropic fills), wellsprings, and many other features.



Who did what?
The people involved

Where are we?
See the location of the map

How do we represent different rocks?
One color, one rock

How do we read the map?
Colors and symbols

What is there beneath our feet?
Use outcrop data to constrain geology at depth

Do you need a broader view?
Regional schemes

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