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The Geogarden of the University Roma Tre: creation of a prototype of a Geological Garden of Lazio for the dissemination of Geological Sciences in Rome

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Between 2017 and 2019, a prototype of a geological garden for the dissemination of Geological Sciences to the general public was created in the open-air spaces of the Department of Sciences of the Roma Tre University. This first nucleus is the result of a Citizen Science activity carried out by students of the High Schools of Rome and its province, conceived and guided by a group of University researchers and high school teachers, in collaboration with local institutions and some mining companies operating in the surroundings of Rome. Currently the prototype consists of six large rock samples representative of lithotypes cropping out in the Roman Campaign and in the nearby Central Apennines that allow to tell the evolution of the territory surrounding the city of Rome since about 15 Ma ago, with particular reference to the history of the Roman countryside in the Quaternary period. Guided tours for schools and a general public and events popularizing scientific culture at various scales have represented the main dissemination activities carried out so far. Currently the garden is being expanded and integrated with numerous plant species representative of the botanical heritage of the Lazio region.









GAIA_Earth as a living organism



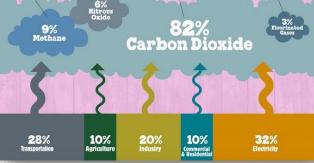




Challanges

















Where do we put our feet?









Project goals

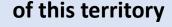
1. To build an open-air archive of rocks for educational purposes for students (from primary school to university) and citizens to learn the basics of Geology and Lithogenesis



2. Developing for High School students the complete chain from the observation of nature to its scientific knowledge and dissemination, learning/teaching the "craft" of the scientific disseminator of Geology



- 3. Involve the operators in the mining sector of the Municipality of Rome to enhance the mining activity and places of activity as site of geological interest
- 4. Raising the awareness of university researchers on the importance of transferring scientific knowledge to non-experts
- 5. Raising the awareness of the city's population to the geological heritage of Rome and its surroundings and to the evolution











The Actors

Schools



University



Companies







Municipality



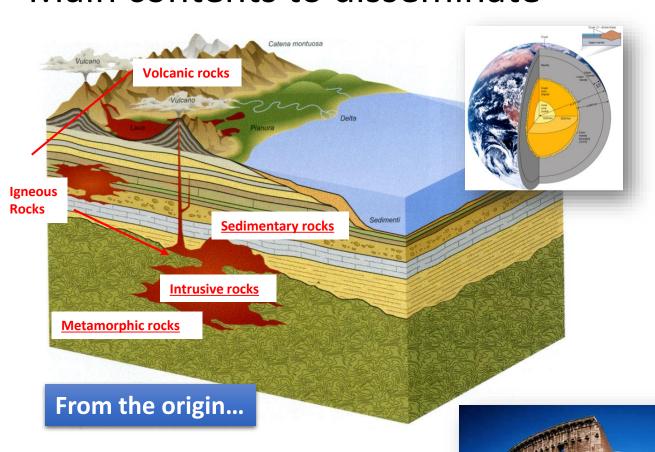










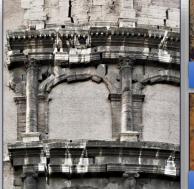


...to exploitation and past/present use..











Sperone (volcanics)



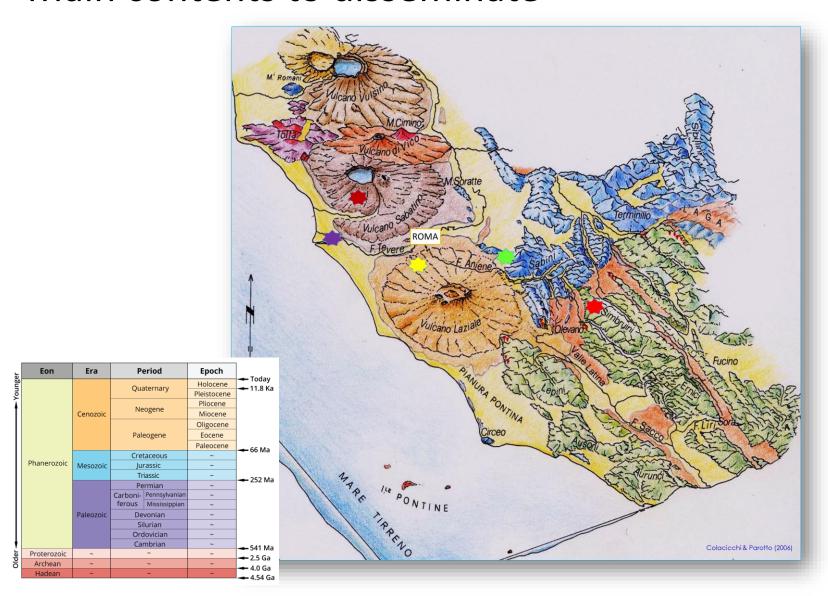












The story we tell is that of the Geology of the region Latium through time using our «Monoliths» (provenance areas with coloured stars)



Main lithogenetic environments of Latium are represented in the GeoGarden: from Mesozoic seas, Pleistocene volcanoes, pull apart basins Pleistocene travertines, Pleistocene paleo-delta of the the Tiber, the river of Rome!

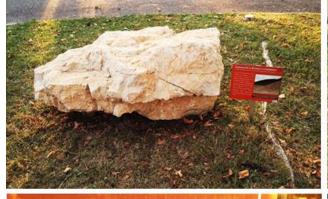






The GeoGarden at «Roma Tre»















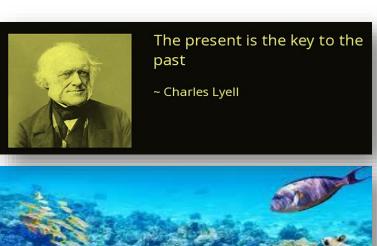
















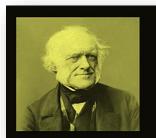












The present is the key to the past

~ Charles Lyell



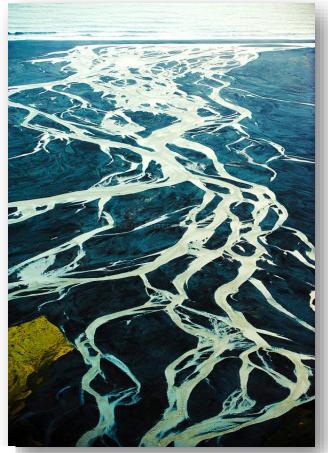


























The starting experience during the Academic Year 2017-18

















GEO GARDEN MILLION O DERNI E EXCE

The dissemination experience led by students

- Guided tours
- Night of European Reseachers
- Week of Planet Earth
- Local and national dissemination events















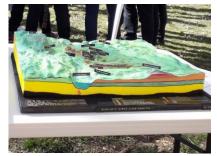


The dissemination experiece led by researchers





















Socials, gadgets, brochures











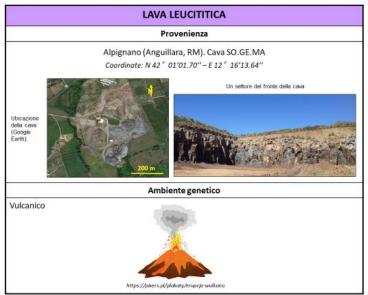


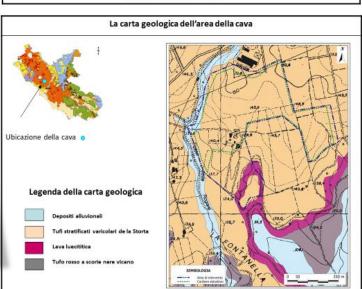


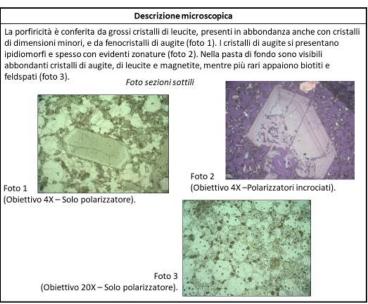


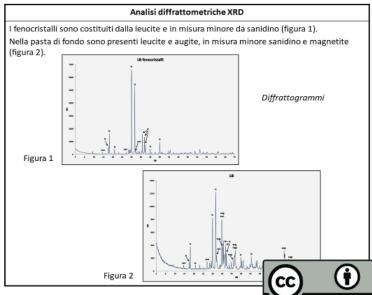
Papers and descriptive sheets

















The next future

Integration with Botanical features of Latium and acquisition other monoliths

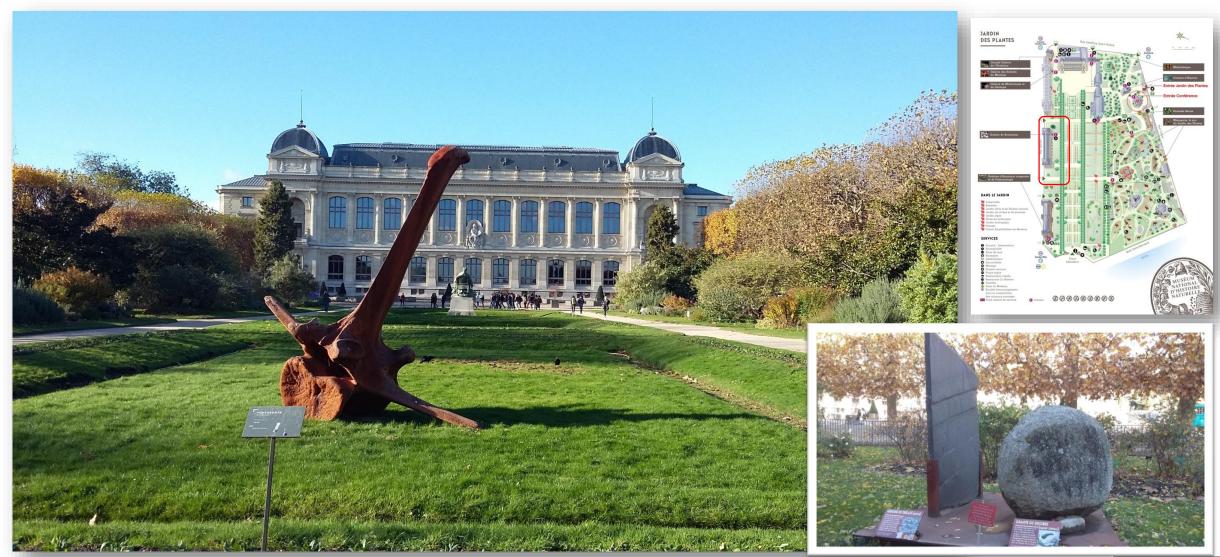








The dream for the future











Thank you for the attention and see you on the 4th May on-line





