

SC³ Science for Climate Change Challenges

14.30 PHD STUDENT PRESENTATIONS

14.30 - 14.45 FEDERICO CERRI - MTM

Studying the Endangered Mangrove Ecosystems of the Maldives

14.45 - 15.00 GABRIELE CORIGLIANO - MTM

Underwater conductive paste for coral restoration.

15.00 - 15.15 VINCENZO SCRIBANO - SCGA, Environment

Bi-phasic biosystem allows in-situ drug delivery in infected corals

15.15 - 15.30 ELENA PASSALACQUA - SCGA, Environment

Optimization of anaerobic digestion using microalgal-based iron nanoparticles

15.30 - 15.45 EMANUELE BOZZI - SCGA, Geology

Toward an integration of DAS into routine seismological monitoring:
a case study from the Canary Islands

15.45 - 16.00 VALERIO SILVESTRI - SCGA, Geology

Uni-directional ATES in high groundwater flow aquifers

16.00 - 16.15 DEBORAH FIORINI - SCGA, Geology

High resolution hyperspectral, microphysical and mineralogical
characterisation of the ADA270 ice core from the Adamello glacier

16.15 - 16.30 ALESSANDRO LUPPINO - SCGA, Geology

Effects of preexisting fractures on dyke-induced deformation: field data from the Mt
Etna 1947 eruption and numerical modeling

16.30 - 16.45 PIETRO MARONI - SCGA, Chemistry

Microwave-assisted mineral carbonation of brucite as a proxy for CO₂ capture and
storage by serpentine

16.45 - 17.00 ENMANUEL CRUZ MUNOZ - SCGA, Chemistry

Data-driven assessment of pyrite weathering

SCGA & MTM PhD Day 2024



**Monday
7 October**



Aula Sironi- U4
Piazza della Scienza 4,
Milano