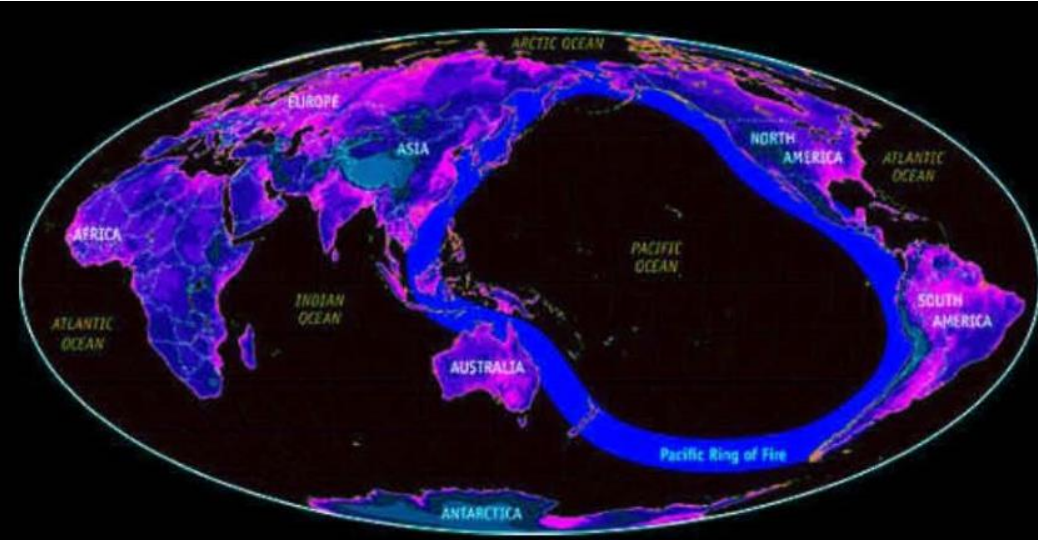
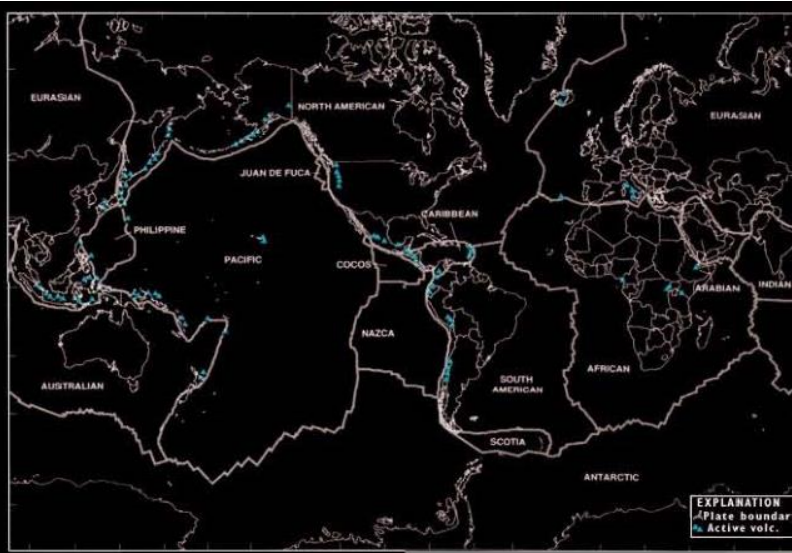


Igneous Tectonics



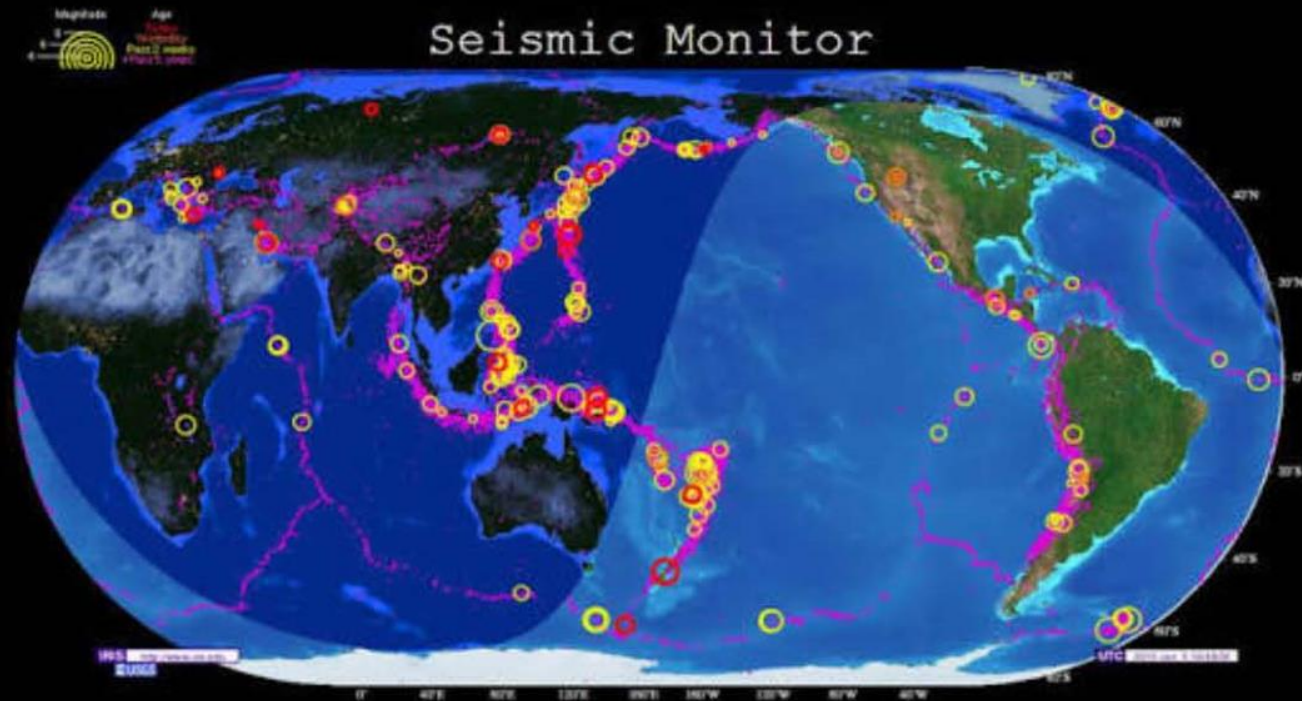
Sergio Araya, PhD
Design Lab **UAI**



Pacific Ring of Fire

90 % of Tectonic Activity
(Earthquakes)

75 % of Volcanic Activity

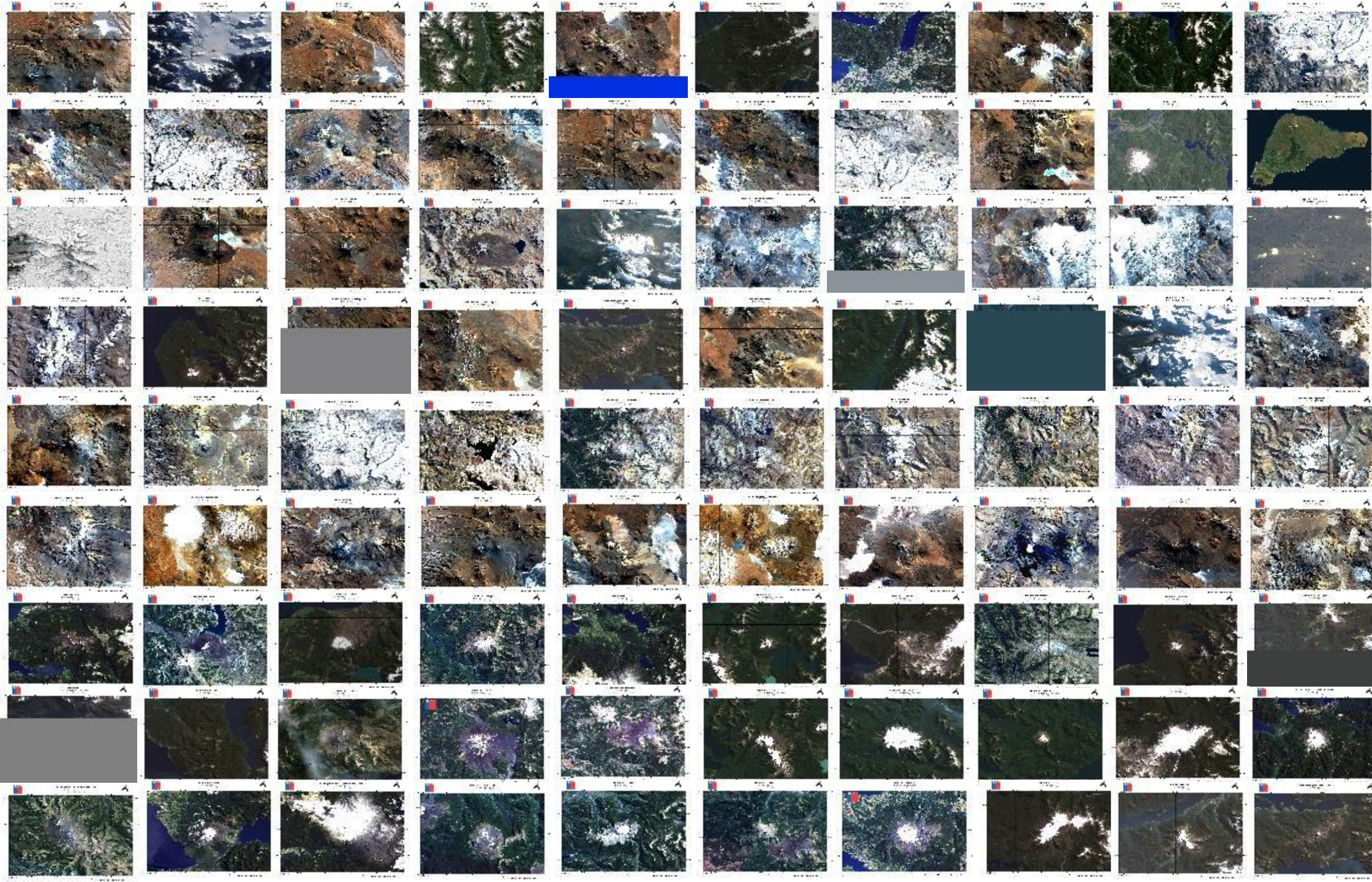




2003

2008





Chile

160

Registered
Volcanoes

90

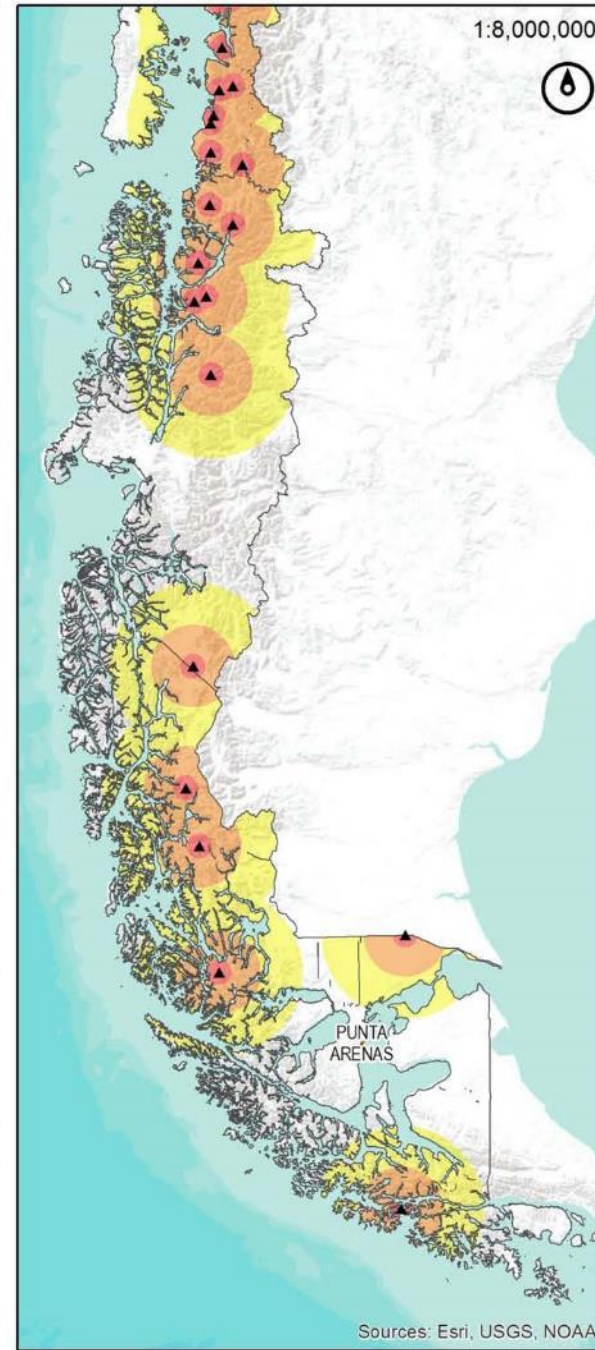
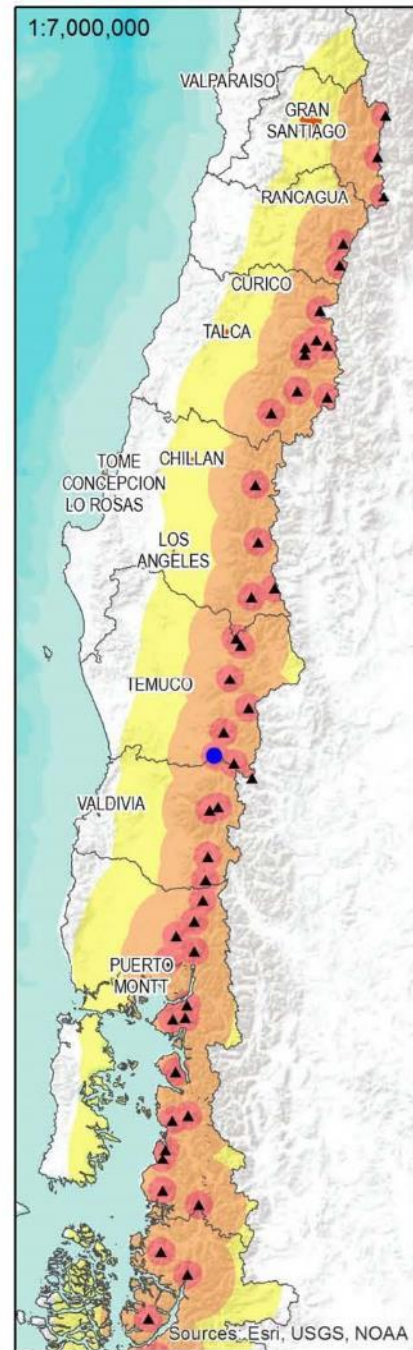
Active
Volcanoes

60

Intensively
Monitored
Volcanoes





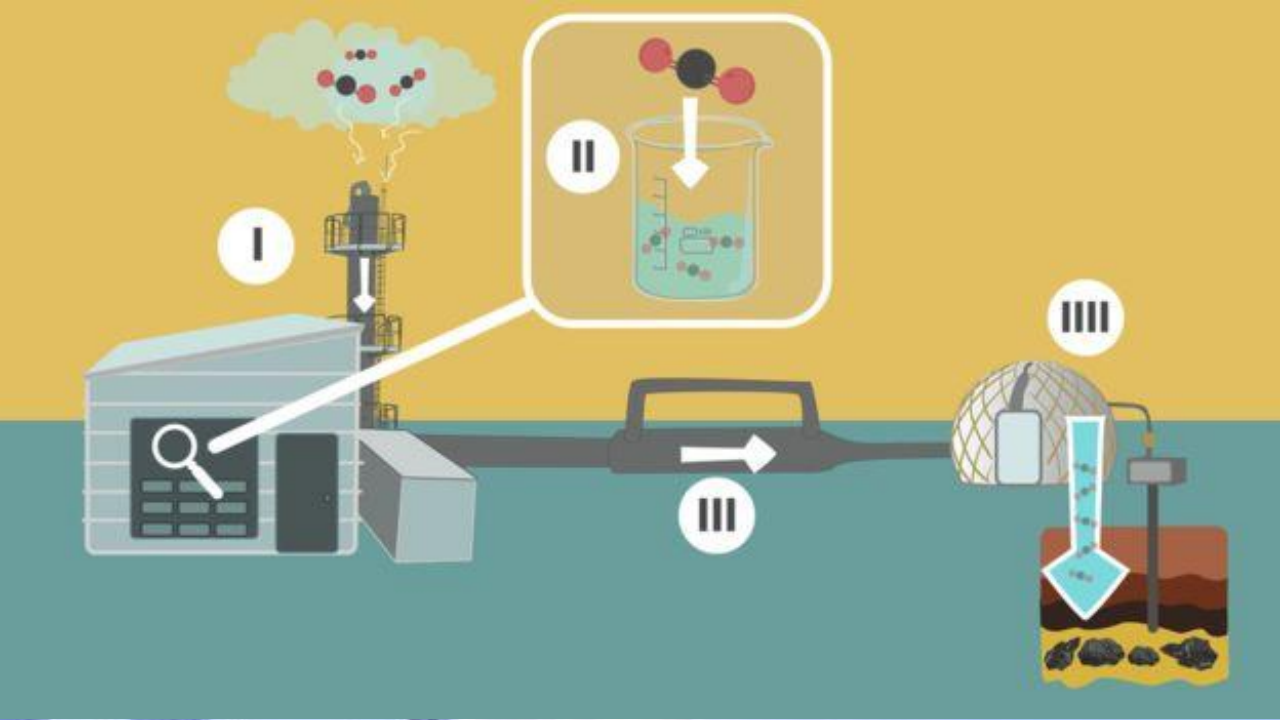




Villarrica 2015

CarbFix: University of Iceland, Reykjavik Energy, CNRS in Toulouse and Columbia University





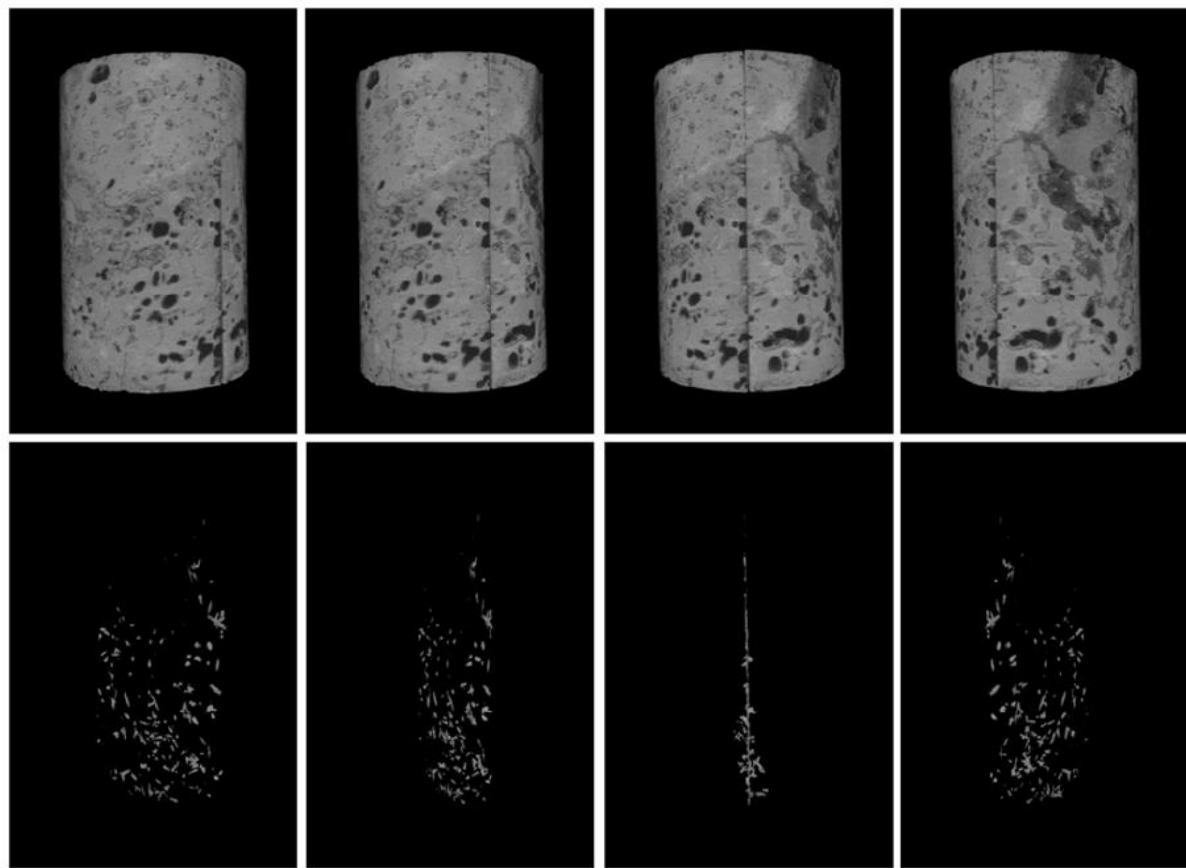


Figure S10. Screenshots of the 3D segmentation Movie S2 of core and precipitates in the basalt core reacted for 20 weeks.

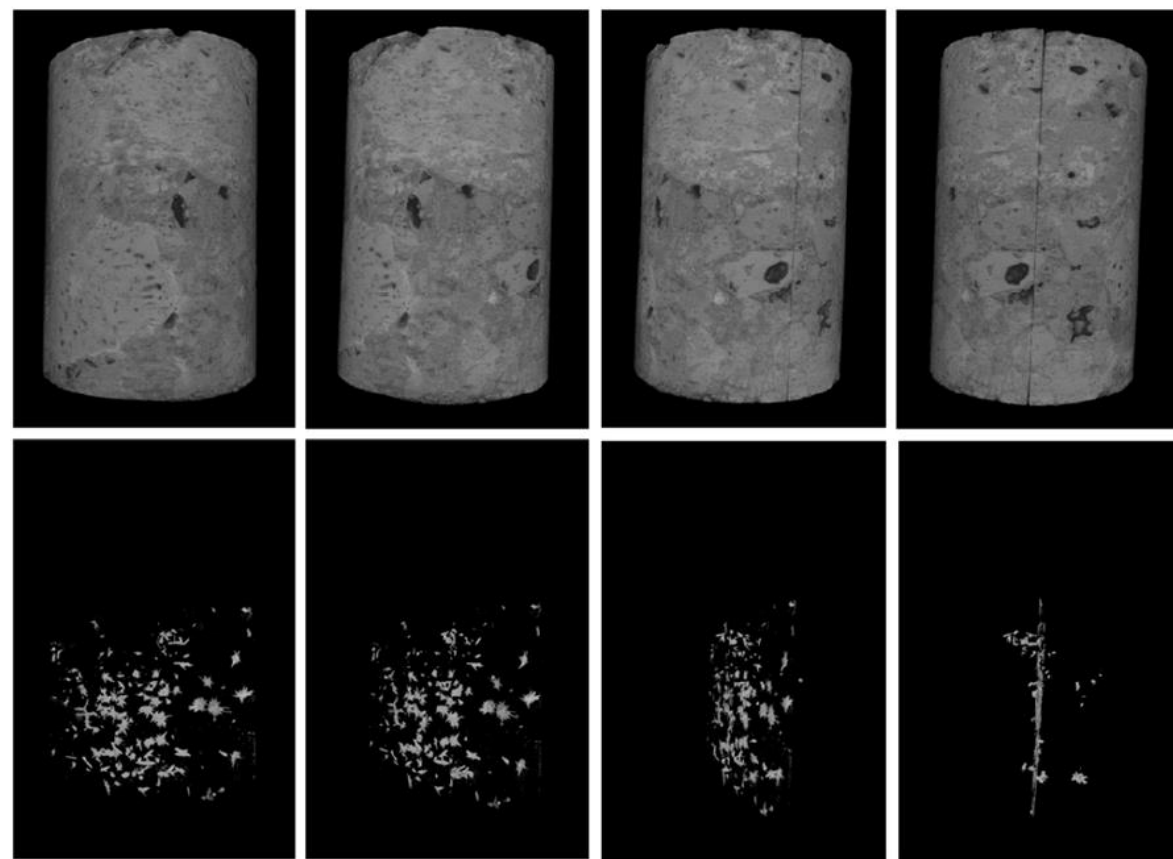
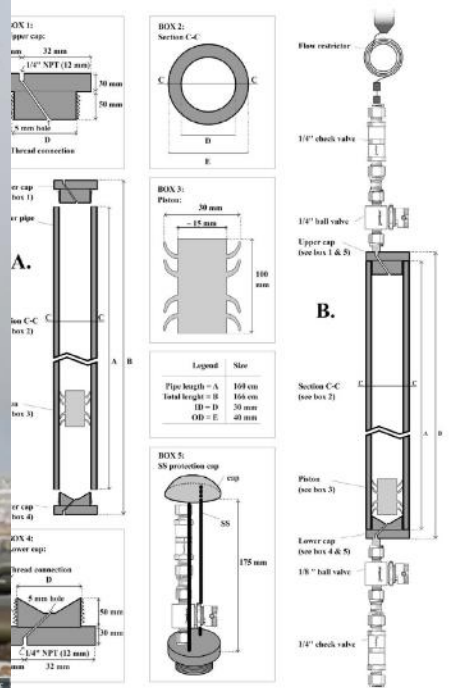
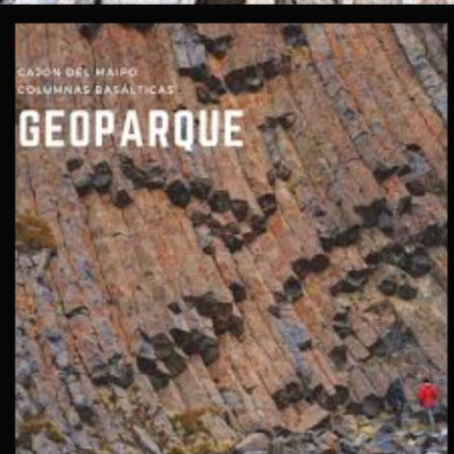
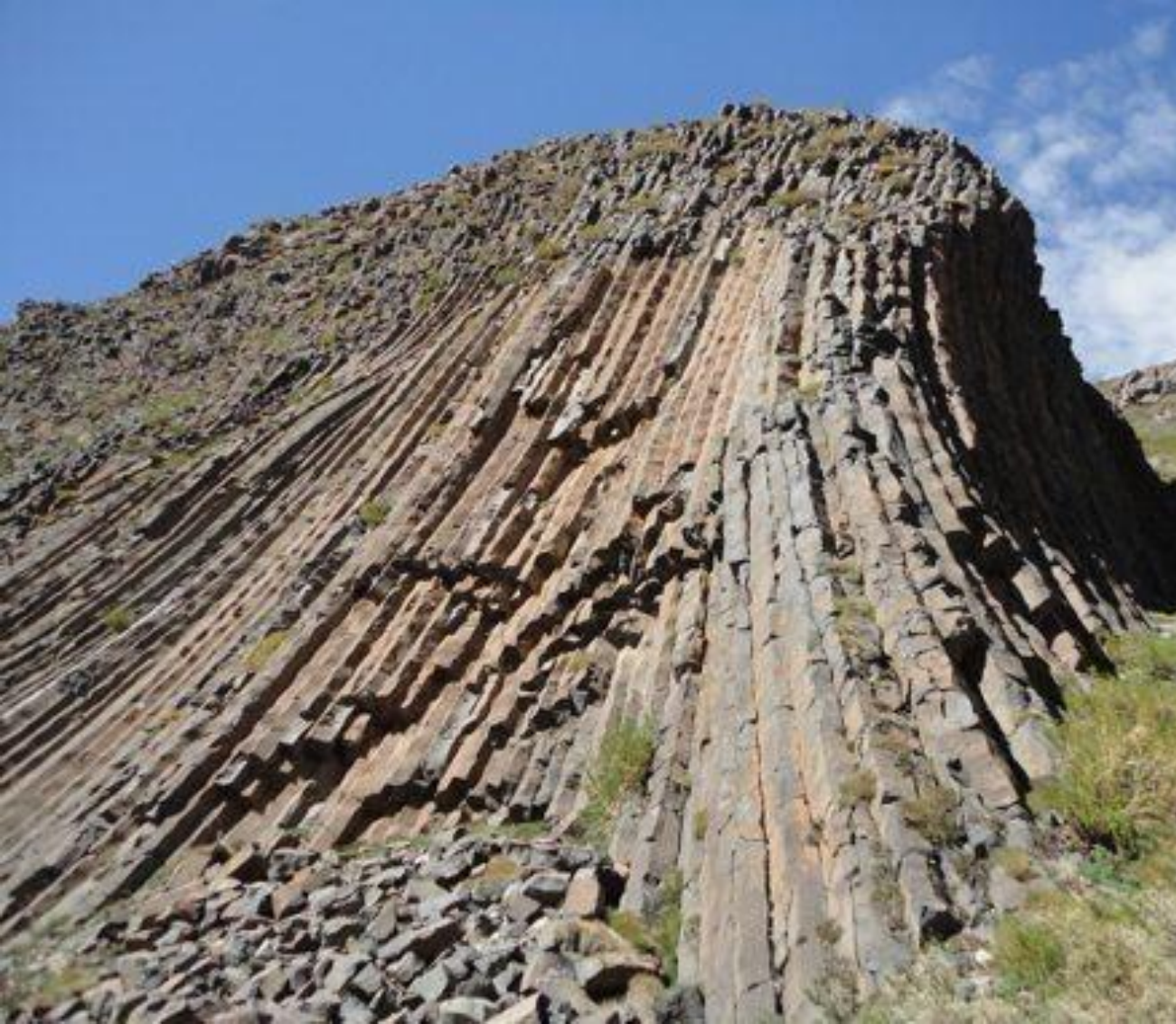
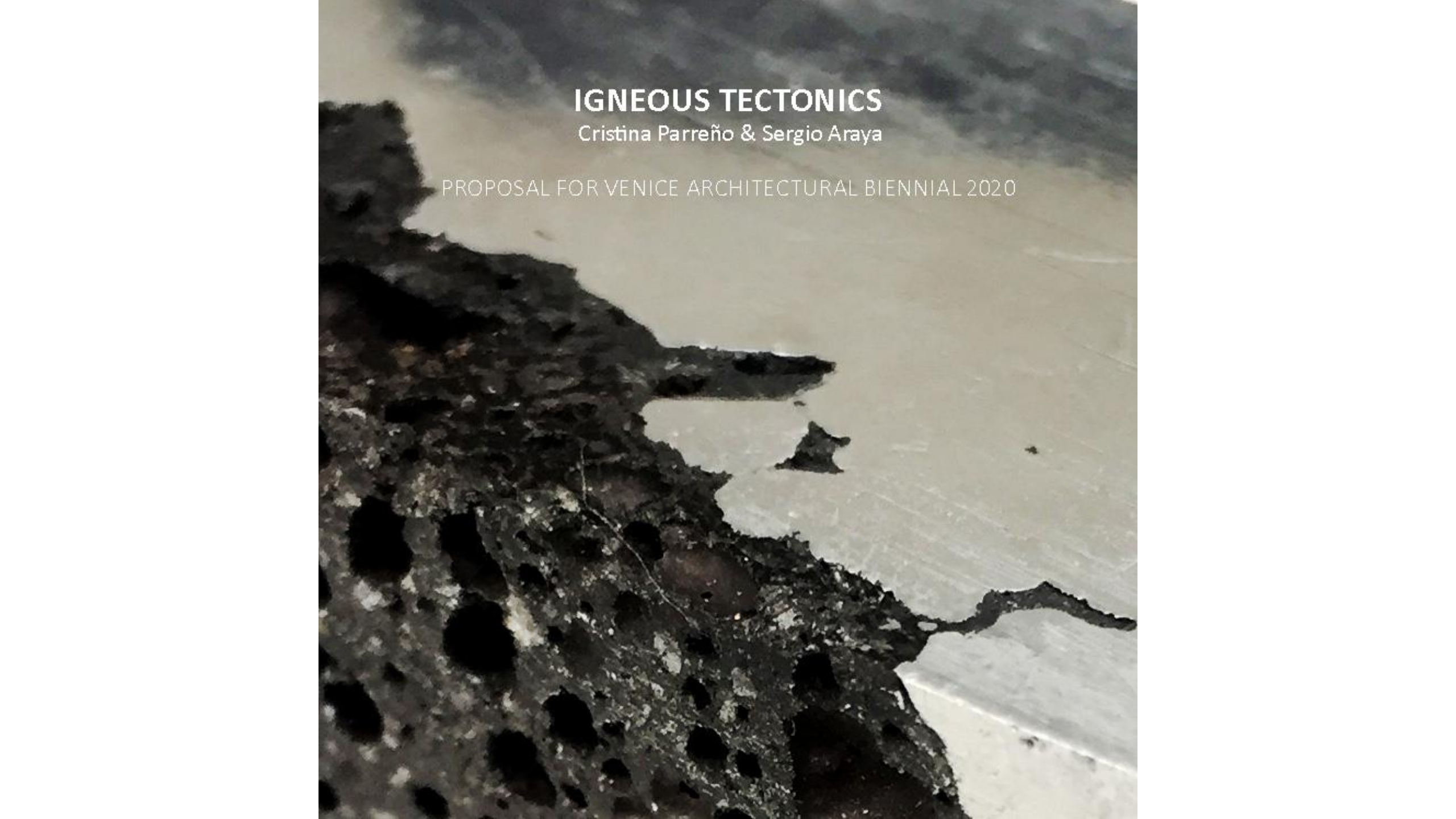


Figure S9. Screenshots of the 3D segmentation Movie S1 of core and precipitates in the basalt core reacted for 40 weeks.



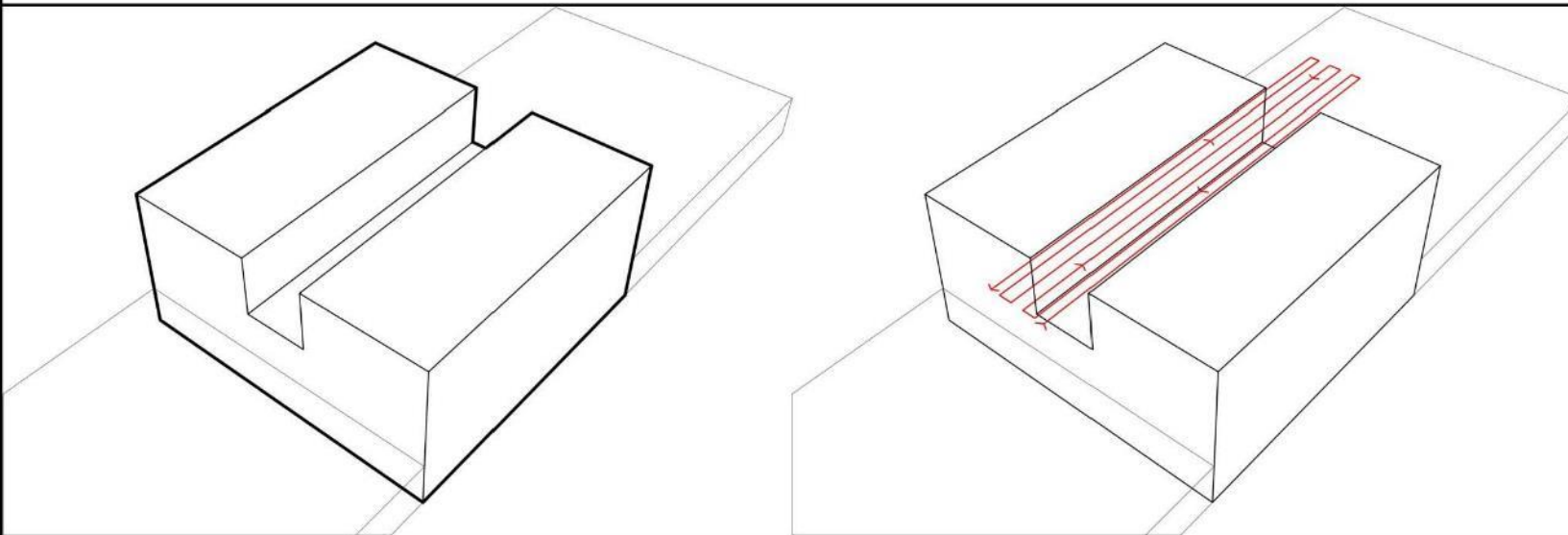
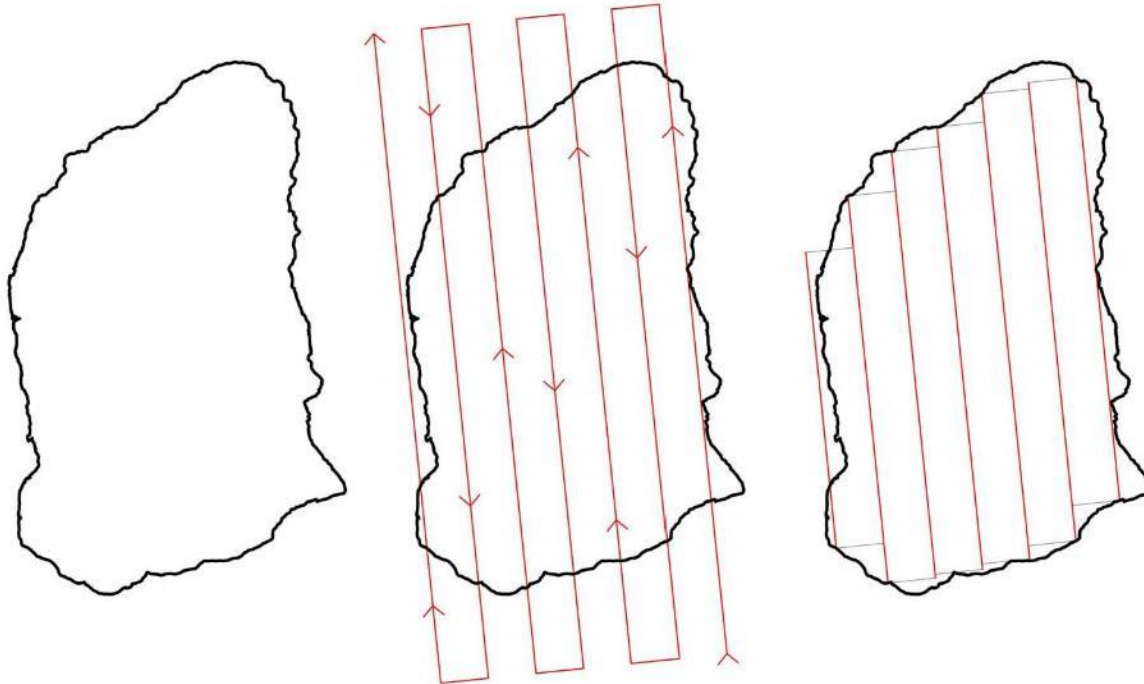


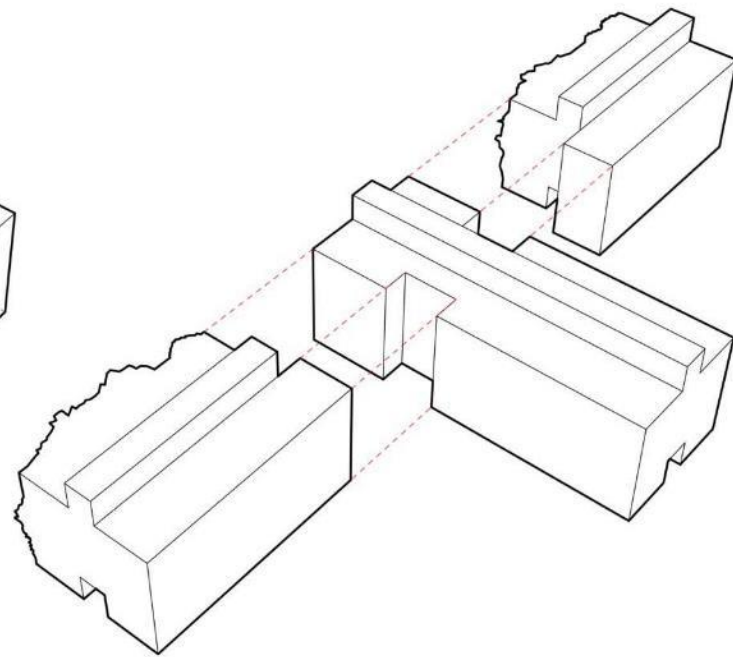
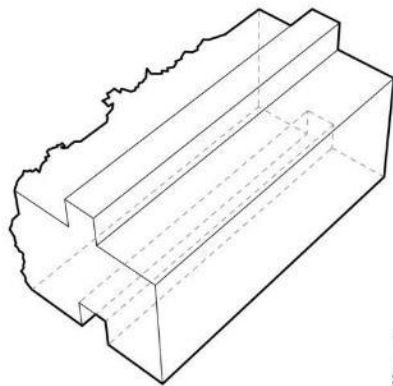
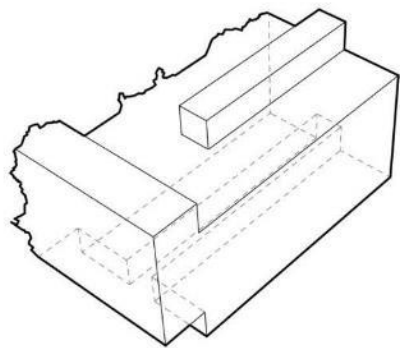
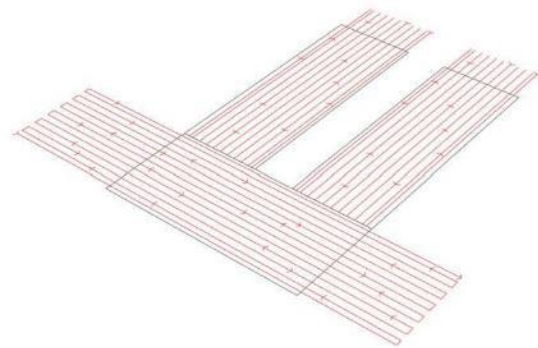
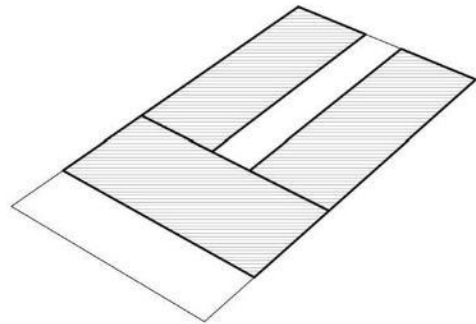
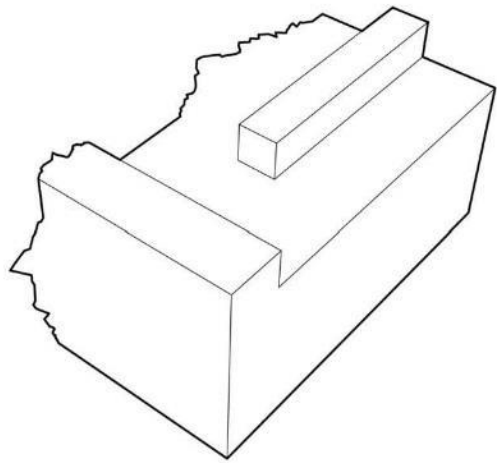


IGNEOUS TECTONICS

Cristina Parreño & Sergio Araya

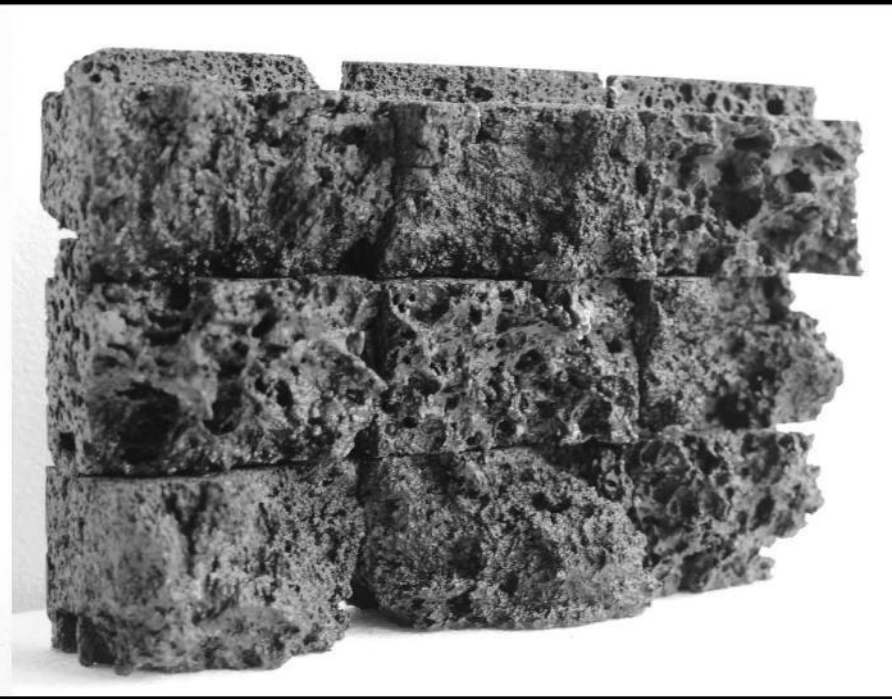
PROPOSAL FOR VENICE ARCHITECTURAL BIENNIAL 2020

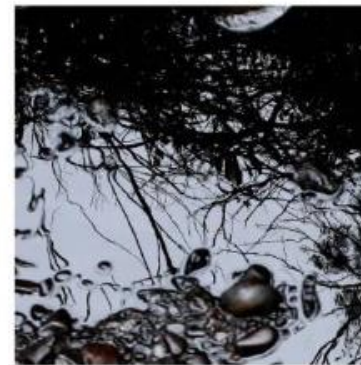
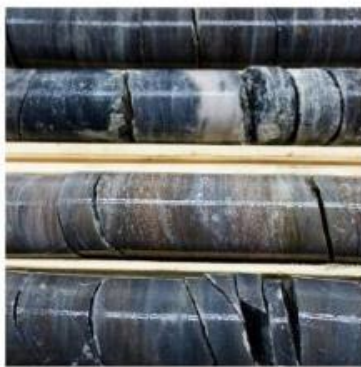












RockCO2 materials, textures and finishes.

310 m3 of
Basaltic Rock

1 residential unit
150 mt2
2 storeys



Greenhouse gas emissions from



CO₂ emissions from



Greenhouse gas emissions avoided by



Carbon sequestered by



240 residential units

1 residential building
40 storeys



Greenhouse gas emissions from



CO₂ emissions from



Greenhouse gas emissions avoided by



Carbon sequestered by



733 residential building
40 storeys
built

1 coal-fired powerplants
per year



Greenhouse gas emissions from



CO₂ emissions from



Greenhouse gas emissions avoided by



Carbon sequestered by

