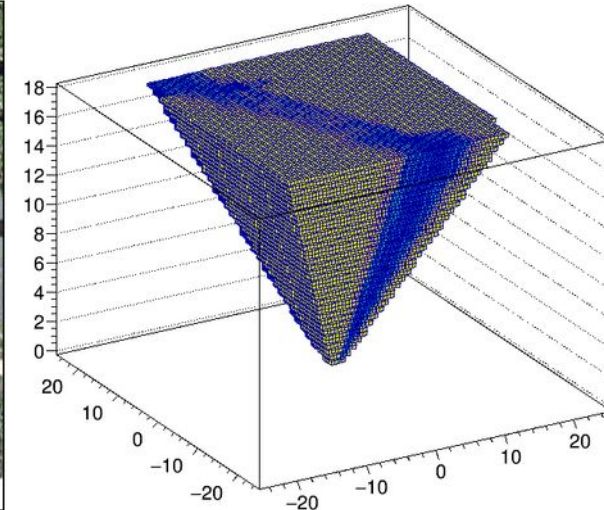
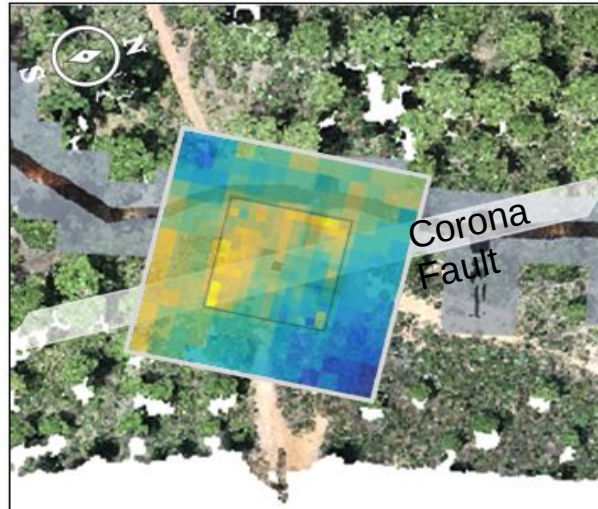


Muography 2022/2023

1.5 years of FCT exploratory funding with partners from geo-sciences and a Ciência Viva center
Strong LIP support from RPC R&D, Auger, ECO



Data taking in Coimbra in 2021 / 2022: imaging clear structures in a building
Data taking in Lousal in 2022 / 2023: imaging sub-subsurface geological structures



Ongoing work:

building 3D
density maps

1. muography
2. seismic refraction
3. combination

w/ several methods

S / O

Muon tomography is still growing worldwide and we seem to have caught up to the standards

Versatile and well supported technology (RPC) and analysis methods ready for new projects

Strong support from LIP groups and infrastructures as well as from motivated external partners

ECO dimension very important for searching for new projects, local, national and international

W / T

We still need to show how muon tomography compares to the usual geophysical methods

Can be difficult to secure science / R&D funding for already post-exploratory project(s)

Next months (or year) will be key to identify new applications and attract other funding

All team members work on other projects and personal investment has to be well balanced