

# Muography 2024/2025

project joining RPC / Cosmic Rays / ECO with partners from geo-sciences and Ciência Viva

Coimbra in 2021 / 2022: imaging clear structures in a building, first Master Thesis finished 12/2023

exploring possibility of 3D from a single telescope location

Lousal in 2022 / 2023: imaging less clear geological structures  
(aiming to compare/combine muon / seismic tomographic surveys)

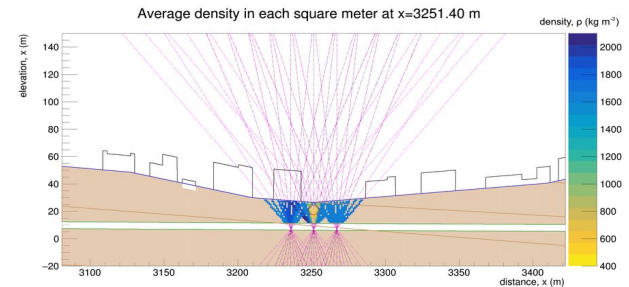
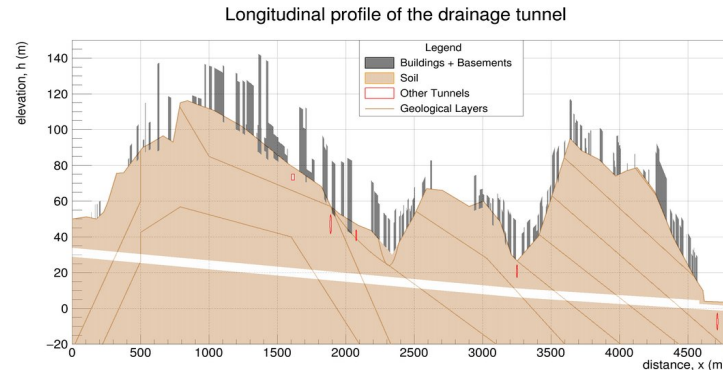


Two Master Theses on Lousal data (from muon numbers to matter density) and (simulation of) Lisbon tunnel in 12 / 2024

Last year plans focused on the Lisbon Drainage Tunnel Project:

too difficult to start during tunnel construction / restart contacts as soon as construction stops

Exploring more projects focusing on ECO and KT to other communities (geo-science, tunnel construction, ...)



## S/O

Versatile and well supported technology; better now with sealed RPCs

Methods well understood and validated; easy to extend to muon transmission projects

ECO important in itself and in search for new projects (local, national and international)

## W/T

All team members work on other projects and personal investment has to be well balanced  
*Master students finished, PhD (geo-sciences, education) close to it, ...*

Can be difficult to secure science / R&D funding for post-exploratory project(s)  
*Working with RPC group, focusing on outreach / communication / knowledge transfer*