

2020 – 2023

Project: Physical and numerical modeling of compacted soil dams for understanding the physical alterations of the massif based on geophysical and geotechnical assessments

Presentations:

(2024) – **Netto, L.G.**, De Oliveira, M., Serafim, R., Spinelli, T.M., Arbieto, C., & Orlando, P. Time-Lapse Electrical Resistivity Tomography to Monitor Moisture Content in a Laboratory Compacted Soil Dam. *NSG 2024 30th European Meeting of Environmental and Engineering Geophysics*. <https://doi.org/10.3997/2214-4609.202420125>

Papers:

(2025) **Guireli Netto, L.**, Orlando, P.D.G., Serafim, R. et al. Monitoring water percolation in a laboratory compacted soil dam using time-lapse electrical resistivity tomography. *Sci Rep* 15, 14356 (2025). <https://doi.org/10.1038/s41598-025-99325-w>