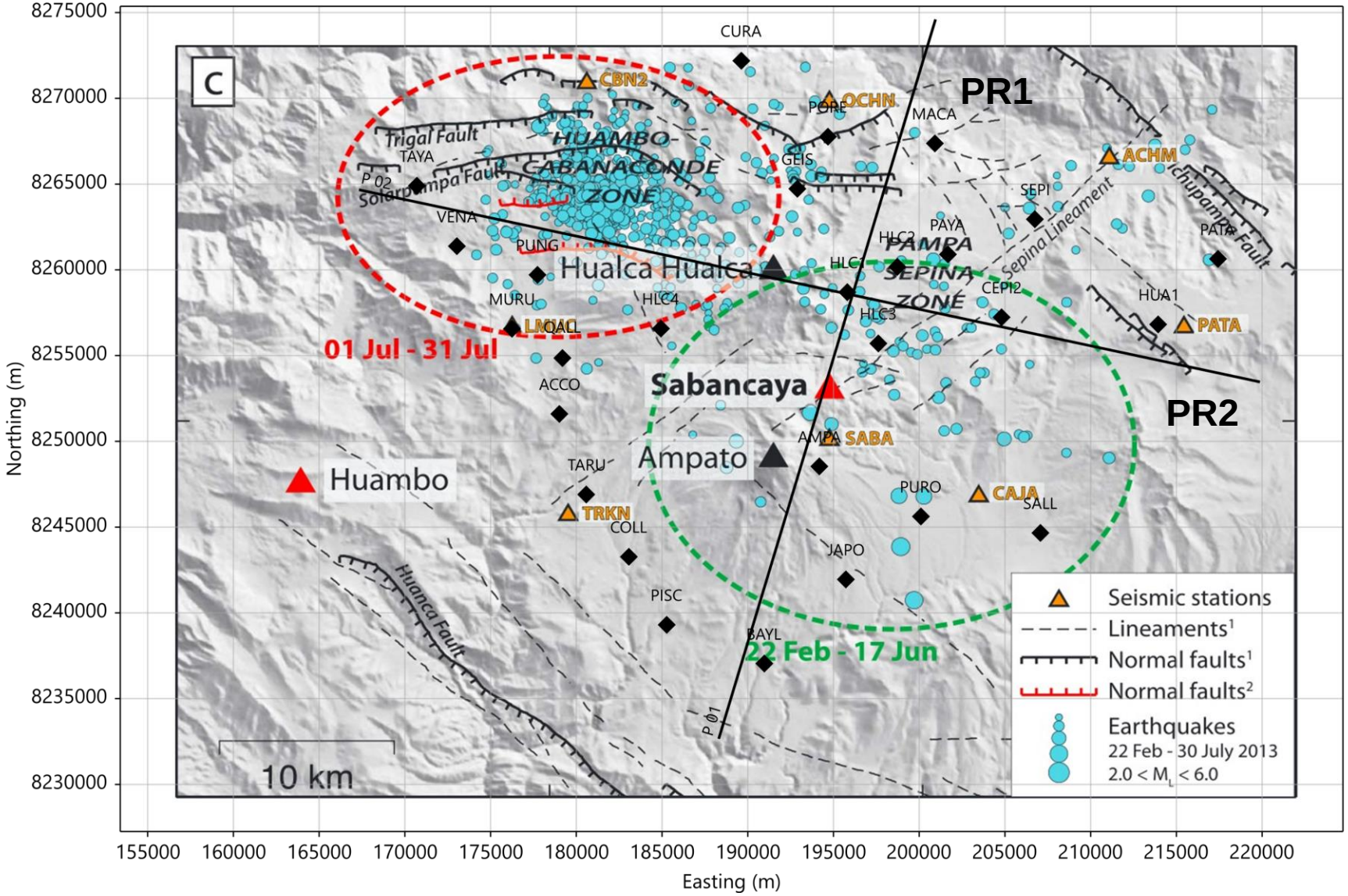
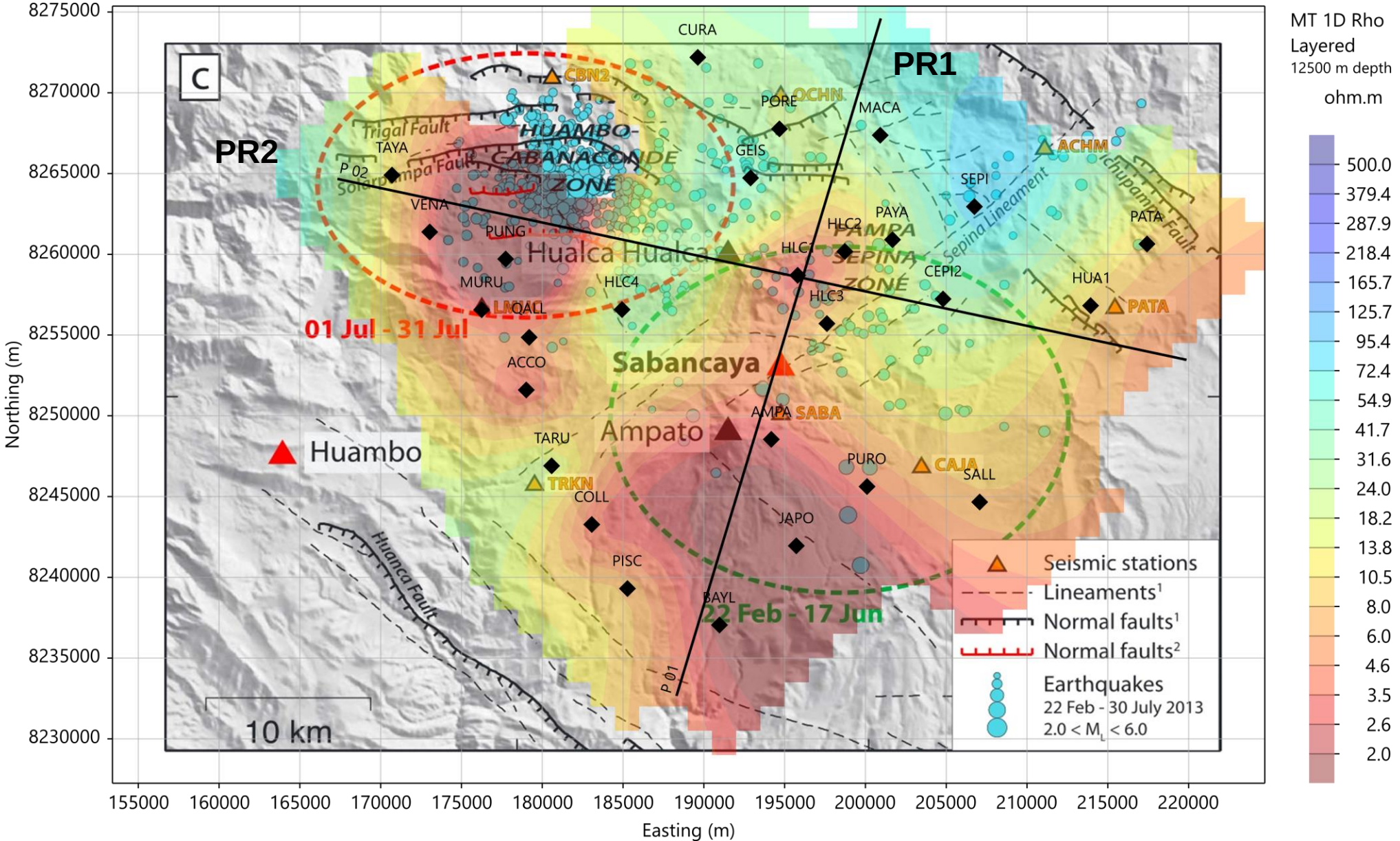
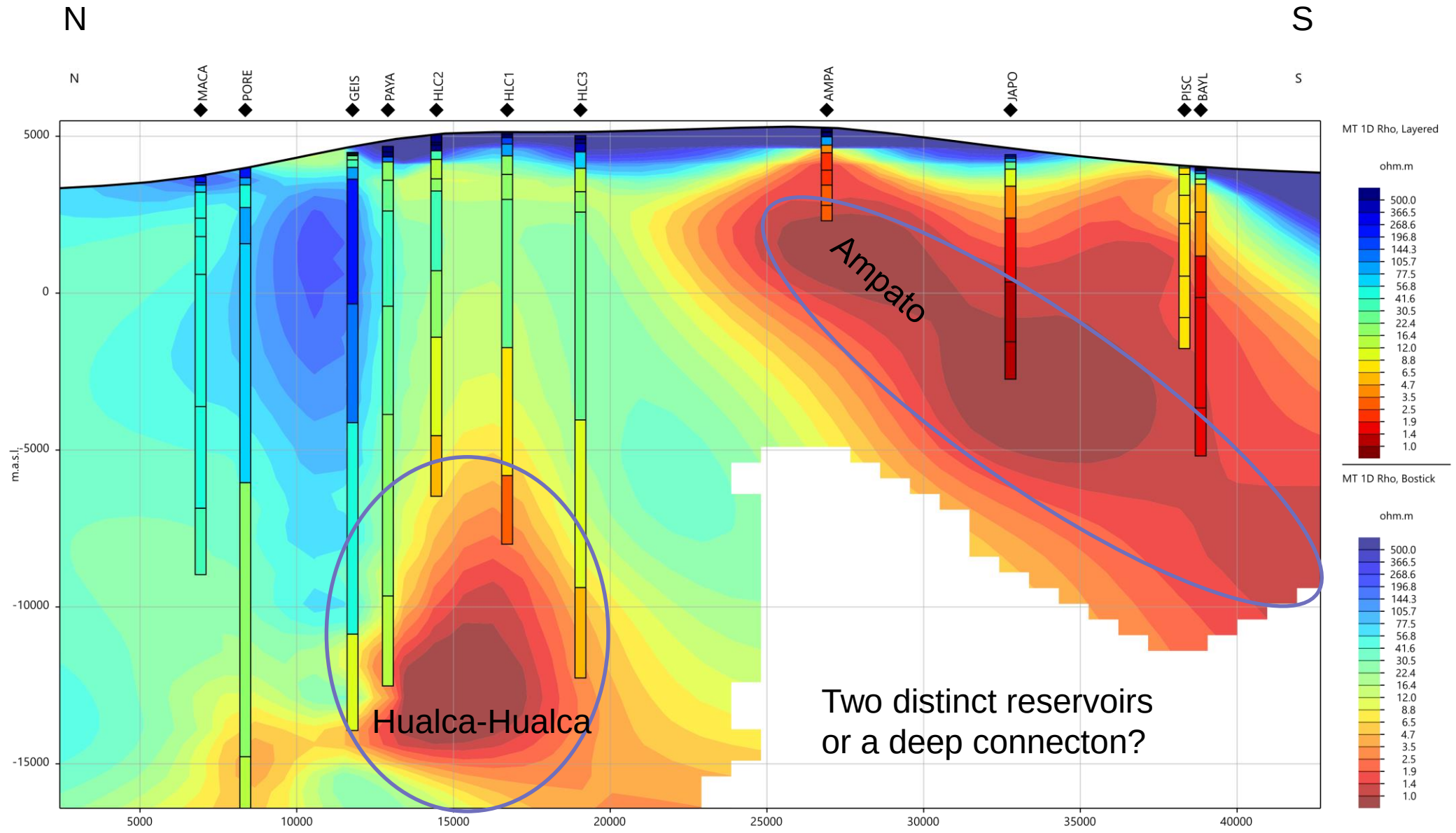
. MT measurements at Volcanic complex Sabancaya



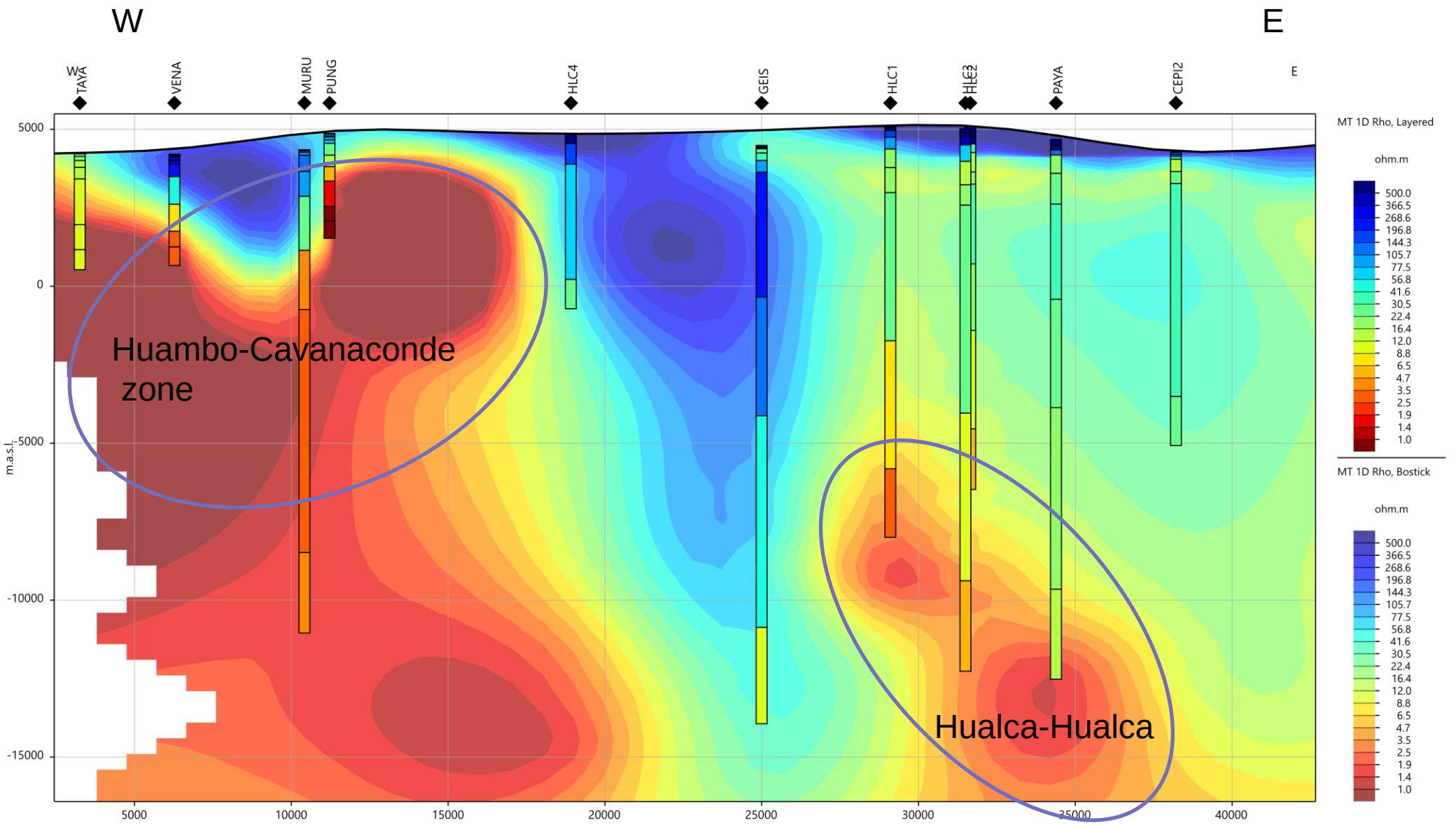
1D modelling MT at Volcanic complex Sabancaya PR1



. 1D modelling MT at Volcanic complex Sabancaya PR1



. 1D modelling MT at Volcanic complex Sabancaya PR2



Outlook for Sabancaya-Hualca-Hualca-Ampato complex.

Done:

- ~29 MT sites, preliminary processing done as well es 1D models. An extended conductor below Huambo-Cabanaconde zone related to active falts? Magmatic reservoir imaged by 1D inversion at 12-15 km below the surface and seems to be disconnected from the conductor below Ampato-Sabancaya.

To do :

- Testing a new processings to improve the depth of investigation (EMERALD).
- 3D inversion, static shift correction during stay of Jose Luis in France.
- Interpretation of the resistivity model jointly analysing complementary data in framework of PhD study of J.L. Torres Agilar.

Next projects.

PhD Jose Luis: Magneto-tellurics + seismic methods. Seismic tomography by Roger Machaca, understanding seismicity. Deformation? Targets Ubinas and Sabancaya.

2023 – IRD mobility grant obtained 3 months. Master thesis in France.
2024 – IRD PhD project. 50% in France, 50% in a university in Peru.