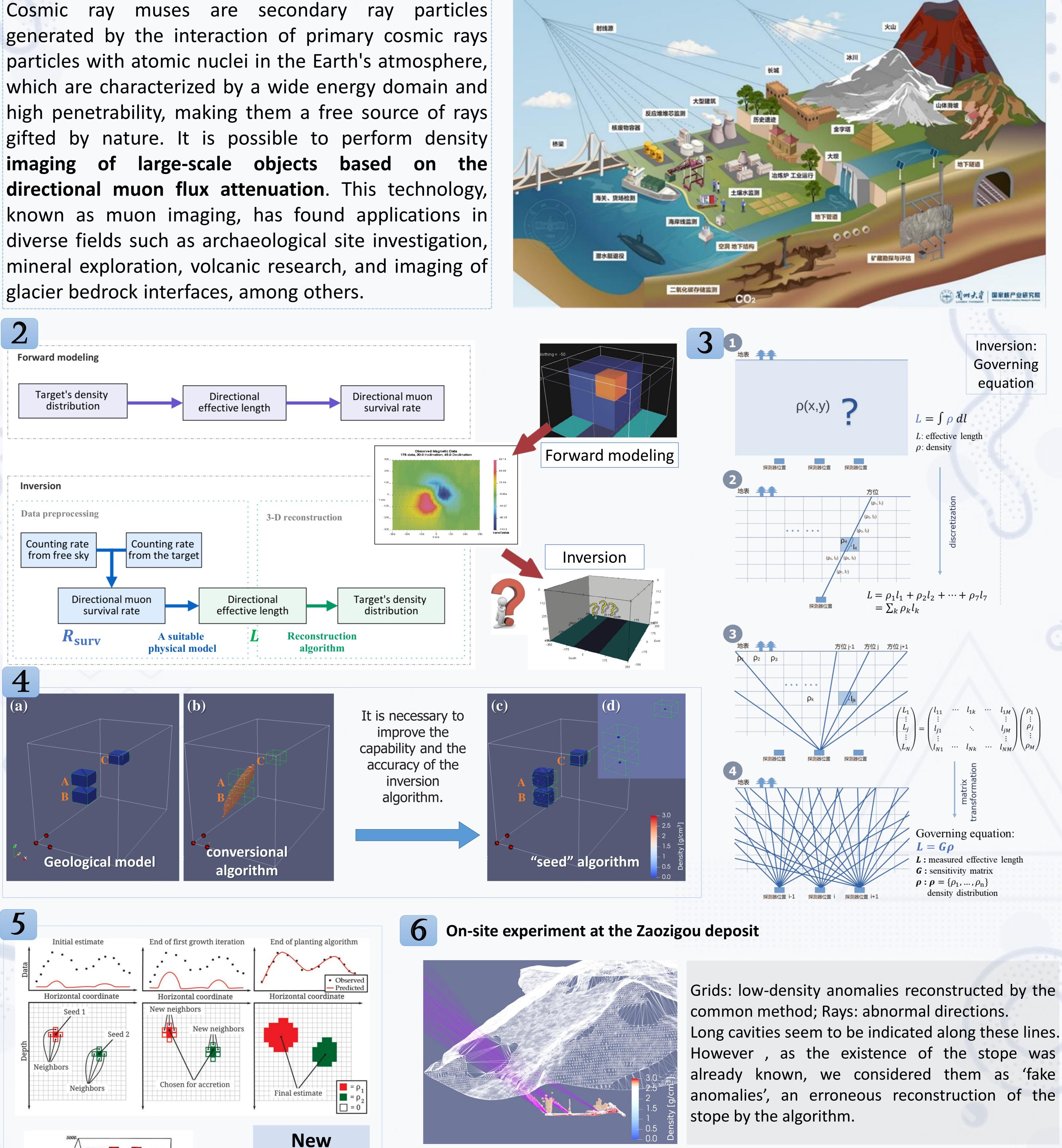
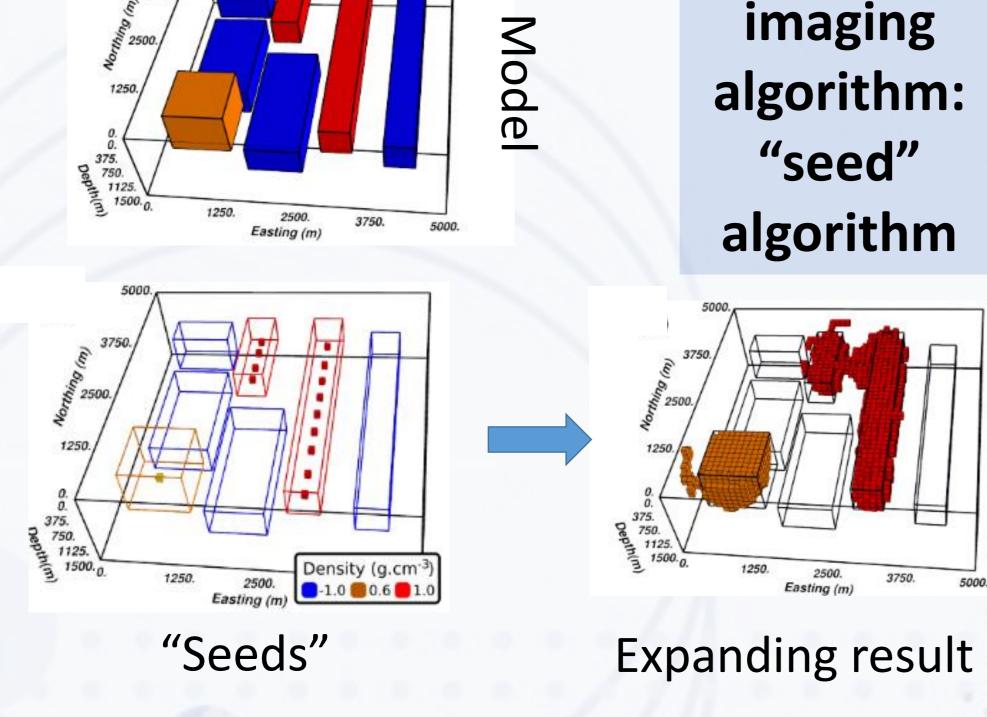
## A New Transmission-based Muon Imaging Algorithm

Frontier Science Center for Rare Isotopes, Lanzhou University; VMI China/Global





Leonardo Uieda and Valéria C. F. Barbosa, (2012)



Survey results at a gold deposit using the new algorithm. Green and blue surfaces: ore body models. The surface in B5: the model of a slate. • Discovered four mined-out areas; half of them are confirmed by the documentation. Reconstructed the slate whose density are slightly different from the bulk density.

The on-site experiment proves the effectiveness and the accuracy of this algorithm.

Guorui Liu, et al, Deep investigation of muography in discovering geological structures in mineral exploration: a case study of Zaozigou gold mine, Geophysical Journal International, Volume 237, Issue 1, April 2024, Pages 588-603, https://doi.org/10.1093/gji/ggae057; zhiyil@lzu.edu.cn