Stanford



Jonas Kloeckner

- Postdoc Res Affiliate-4, Earth & Planetary Sciences
- Postdoc Res Affiliate, Mineral XI

Bio

BIO

Jonas Kloeckner is a Postdoctoral Fellow at the Stanford Doerr School of Sustainability, sponsored by the Stanford Institute for Human-Centered Artificial Intelligence (HAI). He specializes in critical mineral exploration essential for the sustainable energy transition. Utilizing his expertise in artificial intelligence and resource forecasting, Mr. Kloeckner leads initiatives that strive to align with global sustainability goals.

Jonas earned his PhD in Engineering from the Federal University of Rio Grande do Sul (UFRGS), Brazil, where he later served as a Postdoctoral Fellow at the Institute of Geosciences. His doctoral and postdoctoral research focused on advancing geostatistical methods for Earth resources forecasting, significantly contributing to the field.

Previously, Jonas was a Visiting Research Scholar at Stanford University under the mentorship of Professor Jef Caers. He holds a Master's and Bachelor's degree in Mining Engineering from UFRGS, with additional international studies at Ecole des Mines d'Alès, France, and as a visiting student at Columbia University, USA.

Jonas's current research integrates spatial data analysis with advanced decision-making processes in subsurface systems, enhancing resource management strategies and supporting sustainable mining practices. Beyond academia, he actively collaborates on various international projects, optimizing resource extraction and minimizing environmental impacts through innovative technology and interdisciplinary collaboration.