

# Integrated Environmental Monitoring of AMD Affected Waters Using Hyperspectral Imaging and In-situ Analytics

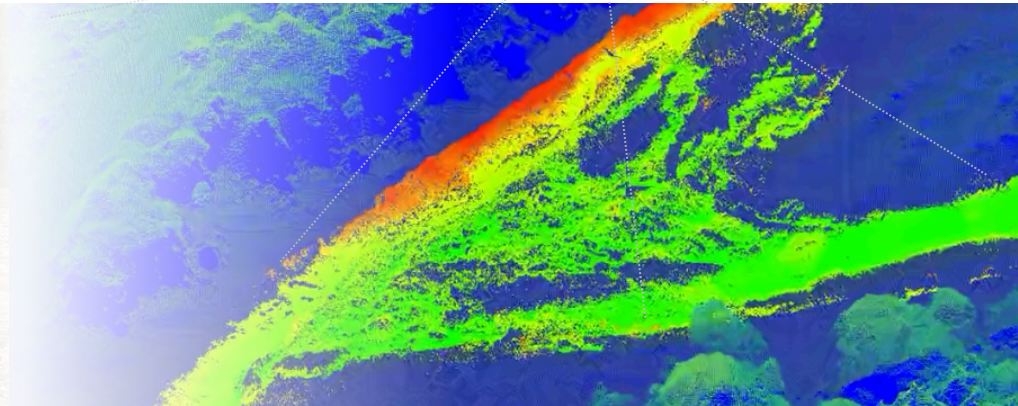


H. Flores, S. Lorenz, R. Jackisch, L. Tusa, C. Contreras, R. Zimmerman and R. Gloaguen

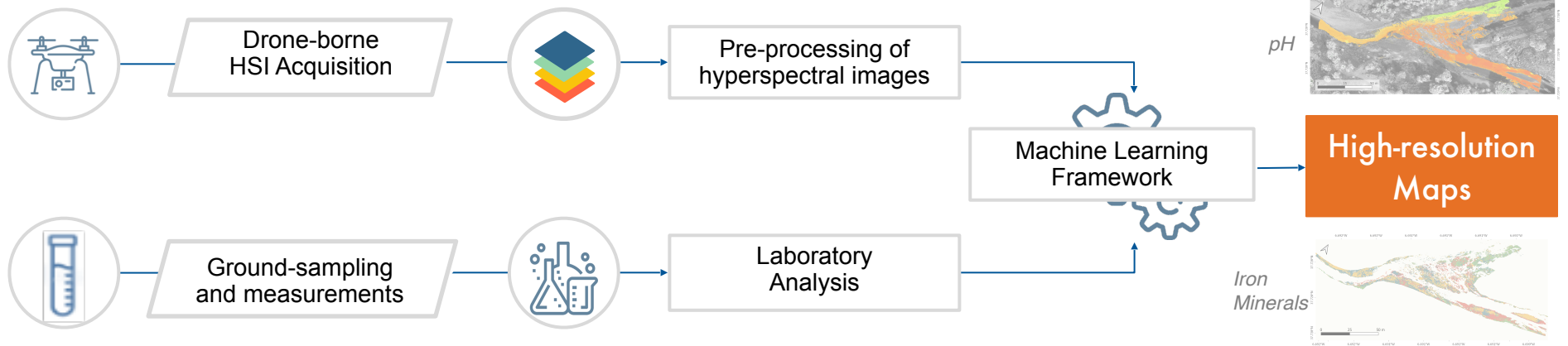
Helmholtz-Zentrum Dresden-Rossendorf, Helmholtz Institute Freiberg for Resource Technology, Exploration Technology, Germany (h.flores-rojas@hzdr.de)

UAS - Hyperspectral Imaging

Photogrammetry



## Proposed workflow



High-resolution maps to monitor **Acid Mine Drainage** extent in surface water (hydrogeochemical properties) and in river sediments (mineralogy) by means of drone-borne hyperspectral imaging (HSI)