

Gro Birkefeldt Møller Pedersen

(BSc Geology 2005, MSc Geology 2008, PhD Geology 2011 Aarhus University, Denmark) is currently a Postdoctoral research fellow at the University of Iceland. Her research interests are focused on understanding volcanic landforms and landscape development, based on satellite and airborne remote sensing data that allows exploration of volcanoes in remote, underfunded or inaccessible environments. This includes investigation of a variety of volcanic landforms, as well as development of new mapping techniques, in order to obtain new geospatial information on volcanic landforms by more effective and systematic exploitation of data. This research has focused on volcanic regions on both Mars and Earth. Gro is currently leading the interdisciplinary project "EMMIRS" (Environmental Mapping and Monitoring of Iceland by Remote Sensing), a Grant of Excellence funded by the Icelandic RANNIS. In her visit to Pisa, Gro will deliver two short seminars (one hour in all). One about some aspects of the EMMIRS project, and the other about the recent Holuhraun eruption (2014-2015, Iceland), the largest lava flow occurred in Iceland since the 1783 Laki eruption.