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## LABORATORY AND EIFEL FIELD SPECTROSCOPY OF MARS ANALOGUE SAMPLES

**Abstract**

For this study samples from the volcanic region of the Eifel, Germany collected during our latest field campaigns in December 2016 are analyzed with a variety of spectrometers. They are compared with previous Eifel samples from ILEWG EuroMoonMars campaigns in November 2015 and February 2016. Samples derived from terrestrial analogue sites are studied to gain insight into Mars analogue processes in their geological context. The aim is to obtain a database of analyzed samples that could be used as a reference for future in situ measurements. We also use a documented set of Moon-Mars relevant minerals curated at VU Amsterdam. The spectrometers have been used in combination with the ExoGeoLab mock-up lander during field campaigns and also brought again to Eifel in December 2016, to prove the applicability of the equipment in the field.

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