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# Pierwsze Ogólnopolskie Seminarium Marsjańskie

*Planetary geology activities  
on the Wrocław side of the Space Research Centre*

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A summary of the activity of our group is presented. The FNP/TEAM/EXOMHYDR project studies the hydrothermal activity of the large volcanic regions of Mars, in connection with the instrument teams of the ExoMars Trace Gas Orbiter mission. It is complemented by the NCN/OPUS/V-MACS project, a magmatic and tectonic study of the Valles Marineris canyon system; the Europlanet/TA1/Danakil Depression hydrothermal activity project, a terrestrial analogue study; and the MIRORES concept, providing SRC engineers with the scientific expertise for a far infrared spectrometer that would be specifically dedicated to the study of distribution of sulphides at the surface of Mars. SOSYPOL is a spectroscopic database of basalts and tholins included into the Europlanet/SSHADE infrastructure. The ESA-funded GALAGO project aims at building a prototype of all-terrain hopping robot dedicated to investigations of the lunar surface, in which we provide scientific expertise to Astronika, the main contractor.