

Surface Systems with Applications for Moon, Mars, Asteroids and Earth

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We shall present the new model for the Pacific International Space Center for Exploration Systems (PISCES) relating to changes in its scope for high-fidelity analogue planetary test sites. PISCES is to develop a core facility that will focus on surface system technologies, in-situ resource utilization, energy generation, transmission and storage, communications architecture, recycle/reuse/reclamation along with development of all aspects relating to establishment of off-Earth infrastructure. One immediate project is basaltic construction elements, with applications here-and-now but also lunar. We intend to be the seed to attract and facilitate partner companies/agencies/universities with a Research and High-Technology Park that will have access to island-wide high-fidelity analog test sites.