

Executive Summary

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Presenter's Title: **Site Selection and Lunar Outpost:
SMART-1 Results and ESA Studies**

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SMART-1 Results and ESA Studies**

We shall discuss relevant SMART-1 results and ESA studies relevant to the preparation for site selection and lunar outposts:

Key Ideas

- *Science and exploration drivers*
- *SMART-1 results on sites in South and North Polar regions*
- *Thermal, power, survival and geographical constraints*
- *Technical constraints on landing, communication, access and mobility*
- *Resources exploitation, lunar protection and sustained development*
- *Concepts for precursor robotic landers, rovers, and sample return missions*
- *Possible precursor payload and investigations*
- *International coordination and ILEWG roadmap: From a precursor robotic village to human outposts*
- *From lunar local outpost to regional and global exploration*

Additional Information

These points will also be discussed at the ILEWG 9th conference on Exploration and Utilisation of the Moon, in Sorrento, Italy, 22–26 October 2007.

Links:

<http://sci.esa.int/smart-1>

<http://Sci.esa.int/ilewg>

<http://Sci.esa.int/iceum9>