

HUMAN SPACE ENDEAVOURS SYMPOSIUM (B3)
Overview Session (Present and Near-Term Human Space Flight Programmes) (1)

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THE ISECG GLOBAL EXPLORATION ROADMAP: AN INTERNATIONAL EFFORT PREPARING
FOR SUSTAINABLE HUMAN SPACE EXPLORATION

Abstract

The first iteration of the Global Exploration Roadmap (GER) was released in September, 2011 by the International Space Exploration Coordination Group (ISECG). The GER, developed by twelve space agencies, provided insights into agency work in preparing for future human exploration of the solar system. It reflects the work of space agencies to identify common exploration goals and objectives and look for feasible and sustainable approaches to meeting them. It also demonstrates that agencies are looking for opportunities to collaborate and cooperate in ways that enhances their efforts to prepare for the challenging missions of the future. Five areas providing near-term cooperation opportunities were identified by participating agencies, including use of the International Space Station, advanced technologies, robotic precursor missions, and analogue missions. Development of advanced exploration capabilities also provides the opportunity to look for partnerships. Agencies have continued their efforts to prepare for future joint missions through targeted discussions in each of the five areas. The second iteration of the GER will provide insights into progress in each of these areas.

Since its release in September 2011, the GER has served as a useful tool in many ways, both technical and political. Through individual agency and coordinated dialog opportunities, non-agency stakeholders around the world have offered ideas and contributions to improving agency technical work. At the political level, an international dialog on space exploration was held in Lucca, Italy in November 2011. In Lucca, many participating states noted the important contribution of the GER to advancing common exploration goals. They also noted the importance of ensuring that investments in space exploration deliver benefits to their citizens. This paper will impact of the GER and discuss its in preparing for future exploration partnerships. It will give a status of the ongoing roadmapping efforts of participating agencies, including their work to use the ISS in preparation for exploration. This paper will provide insights into the plans for release of the second iteration of the GER.

For more information on the ISECG please consult the ISECG website at www.globalspaceexploration.org or contact the ISECG Secretariat at: isecg@esa.int.