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International Space Exploration Policies and Programmes (2)

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IAA COSMIC STUDY: DYNAMICS OF SPACE EXPLORATION

## **Abstract**

The objective of the International Academy of Astronautics (IAA) Cosmic Study "Dynamics of Space Exploration" is to compile a comprehensive space policy report on the development of the domain of space exploration. A new vision for space exploration has to be bold, collective, holistic, paved with realistic milestones shared by the stakeholders and conceived in a sustainable manner. A new value proposition for space exploration should be pursued such as measuring the scientific, technological, economic and cultural benefits for humankind. The goal is to develop a common integrated space vision. This common space vision could be implemented in the future by an international Space Exploration Council that acts as an efficient planning and decision-making body and unites a number of stakeholders from governments, space agencies, space entrepreneurial entities, the aerospace industry, the scientific community, and civilian society from all spacefaring countries. It will represent a top down structure supported by bottom up activities of science/technology analysis and space architecture working groups. In this Cosmic Study we identify challenges and opportunities in order to align space stakeholders nationally and internationally and discuss how an international Space Exploration Council could reconcile the interests of "individual" countries and private pursuits.