

The Human Space Exploration Value Proposition (07)  
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## ASSESSING GLOBAL BENEFITS OF SPACE EXPLORATION

### Abstract

A framework is presented for describing how space exploration produces fundamental and long-term value to stakeholders. To accompany its vision for a globally-coordinated space exploration endeavor, the International Space Exploration Coordination Group (ISECG) developed a structure to show the linkages between space exploration inputs, activities, outputs, and outcomes, to explain how societal benefits are generated, and to measure progress toward realizing these benefits. The approach includes the creation of a logic model and narrative that organize underlying ideas and rationale for space exploration, clarify the relationship between near-term goals and long-term impact, and provide context for planning a space exploration initiative. This paper describes the work done by the ISECG to define a space exploration benefits framework that can help the global space community understand and assess the socio-economic value generated through investments in space exploration, ultimately aiding communications with decision-makers and stakeholder communities.