

## **IAA Study Group Status Report**

**Responsible Commission: V**

**Study Number and Title: Study Group 5.12**

*Dynamics of space exploration activities and outlook*

**Short Study Description** (repeat from Study Group Proposal):

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 recent developments and trends 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 present a synergistic approach with a top down structure supported by bottom up activities of science/technology analysis and space architecture working groups. In this IAA 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.

### **Progress in past six months:**

After presentation of the status report of this Study Group on 23 March 2015, updates have been coming in filling the requested sections as presented last year. But the process took place at a slower pace than anticipated, meaning that the 2015 fall target for completing a draft report could not be met. Entries kept coming till the end of 2015.

A draft report was eventually completed in February 2016 which needs some polishing in writing, harmonized references and data double-checks. We plan to have it delivered by next June.

In its conclusions and recommendations, the Study Group report insists on two main lines:

- The creation of an International Space Exploration Council as a coordinating body encompassing a wide range of stakeholders;
- Thoughts about a rationale for a common space transportation policy for exploring the Solar System.

No status report on the current study was presented in Jerusalem (October 2015).

**Website Study Information up to date?** (Study Group Membership, Study Plan and Schedule):

No. See below regarding the updated list of contributors

**Issues requiring resolution?** (recommend approach)

**Product Deliveries on Schedule?** (If modified explain rationale):

The study should be delivered by June 2016. Reasons for the delay are mentioned here above.

**Study Team Member Changes?** (List any Study Team Members that you wish to discontinue, and provide names plus contact coordinates of any Members you wish to add on the second page of this Study Update form.) Note: Complete contact information including email, tel. and fax must be provided for all additions. Only Members with complete contact information will be listed and receive formal appointment letters from the IAA Secretariat.)

**Name of person providing Study Group Status** (Study Group Chair or Co-Chair):

Please note that as of 23 January 2015, Serge Plattard is now the Chair of this Study, Pascale Ehrenfreund the Co-Chair, and Nicolas Peter the Secretary. Although Nicolas Peter was the initial Study lead, being still not a correspondent member/member of the IAA, he was not entitled to ensure formally this position.

**Status Report Date:**    **March 17, 2016**

### **Study Team Membership Changes**

Effectivity Date:

**Discontinue:**

Name: Grimard, Max

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**Updated list of contributors (18):**

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