IAA Study Group Status Report

Responsible Commission: Commission 5

Study Number and Title:

Study group 5.18
Space and disasters management: new systems, new usages and opportunities for international cooperation

Short Study Description:

General objective:
Provide an up-to-date review of the potential role of space systems in disaster management and response. Based on the reports of the previous working groups, this study will deliver a comprehensive report, including opportunities offered by new scientific results, the availability of new operational space systems and the potential role of the emerging private sector. It will cover the main stages of the crisis cycle: prevention and risk assessment, alert and anticipation, emergency response and post-disaster.

Intermediate Goals:
Former IAA reports have already highlighted the role of space systems in support of the prevention and management of disasters and the benefits of international cooperation in this domain. The rapid evolution of space technologies, the implementation of new operational systems, the emergence of new scientific methods and the growth of the private space sector justify the need for a new and updated report on this topic. The detailed objectives of this working group are:
- Provide a review of the new development in space systems, technologies and innovative applications, applicable to disaster management.
- Assess the potential role of commercial space (both established players and new space actors).
- Evaluate new opportunities triggered by these developments in risk management and emergency response and by latest scientific results (e.g. for early warning), including a discussion of the capacity gaps.
- Discuss the impact on governance, in a context of an increasing role of commercial actors, whereas disaster management is usually under the responsibility of institutional actors.
- Propose the best options to foster new opportunities for international or regional cooperation.
**Progress in past six months:**
- Study just started
- Study acceptance notification and appointment letter received in August 2019.
- Kick-meeting and informal discussions to be organized during IAC 2019 in Washington

**Website Study Information update:** (please give any update regarding Study Group Membership, documents, Study Plan and Schedule):

A summary presentation (objectives, work plan, membership) will be submitted before end of September.

**Issues requiring resolution?** (recommend approach):
Name of team members to be confirmed. First names identified at submission but international dimension shall be further developed and IAA support on this task will help.

**Product Deliveries on Schedule?** (If modified explain rationale):
Study work just starting. No deliverables yet.

**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):
Gil Denis (Chair)
Corinne Jorgenson

**Status Report Date:**
25 Sept. 2019

**Study Team Membership Changes**

N/A