

Proposal for Forming an IAA Study Group 3.23

Title of Study:

Human Space Technology Pilot Projects with Developing Countries

Proposer(s):

G.Reibaldi, IAA

Primary IAA Commission Preference:

Commission 3

Secondary IAA Commission Interests:

Commission 2, Commission 5

Members of Study Team

Chair(s):

Giuseppe Reibaldi (Italy) and Fengyuan Zhuang (China)

Secretary:

TBD

Other Members:

Rupert Gerzer (Germany), Mhd Fairos Asillam (Malaysia), Suk Ho Chung (Saudi Arabia), Imran Amin (Pakistan), Sawat Tantiphawadi (Thailand), Choi Inho (S.Korea), UNOOSA representative TBD, Yongding Liu (China), Yulin Deng (China), Hong Liu (China)

Short Description of Scope of Study

At the UN/China Workshop on Human Space Technology held in China, by September 2013, organized by UN Human Space Technology Initiative, CMSA and IAA, more than 31 different countries and regions around the world gathered. The participants defined several recommendations on how to foster the involvement of developing countries in Human Space Technology and this Study Group is fulfilling one of this recommendations.

Overall Goal:

Define pilot projects, with developing countries, exploiting synergies between Human Space Technologies and Sustainable Development activities. These projects will make use of existing ground and space facilities, in the developed Countries, with the aim to boost scientific and economic growth in developing countries while getting them involved in Human Space Technologies. The projects could aim also to public education by promoting outreach in the young generation. The Study Group will have close interaction with the Human Space Technology Initiative of the United Nations Office for Outer Space in order to insure complementarity of the proposed activities

Intermediate Goals:

Survey Human Space Technologies that could support sustainable development activities in Developing countries. As a first step, the survey will review, amongst others, Life Science Technologies that can be implemented by Space Life Support Systems and that can be exploited also by Developing countries

Methodology:

The activities will be conducted mainly by e-mail, Skype and teleconferences, however a workshop to discuss the preliminary findings of the Study Group will be organized on the occasion of the UNOOSA Human Space Technology Initiative Workshop in Costa Rica by 2015

Time Line:

- Approval of the SG: April 2014; Preliminary Report by mid 2015 on the occasion of the UN HSTI Workshop in Costa Rica; Final Report by 2016

Final Product:

Study Group Final Report with defined pilot projects demonstrations to be implemented in the 2018/2020 time frame

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Instructions and application form: see: "Scientific Activity" section at <http://iaaweb.org/content/view/256/393/>

Target Community:

Developed and Developing Space Agencies, Research Centers, UN HSTI

Support Needed:

Set-up Study Group Web Page, organize regular teleconference, organize the workshop, to discuss the preliminary findings in conjunction with the UN HSTI meeting in Costa Rica

Potential Sponsors:

UN HSTI, Space Agencies that are offering to use the existing ground and space facilities

To be returned to the IAA Secretary General Paris

by fax: 33 1 47 23 82 16 or
by email: sgeneral@iaamail.org

Date:

Name:

(No Signature required if document authenticated).

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Follow-up Section for IAA use only

Initial Phase

Application received:

Commission Approved:

SAC Approved:

Web Site Section opened:

Members Formally Appointed by IAA:

Final Phase

Peer Review by Commission Completed:

Recommended by the Commission:

Final Report Received:

SAC Approved:

BOT Accepted:

Publisher Selected:

Study Published: