

Proposal for Forming an IAA Study Group SG 4.19

Title of Study:

Promoting Global Space Knowledge and Expertise in Developing Countries

Proposer(s):

(Must be member(s) of the Academy M or CM) Yasushi Horikawa (Japan), Chair UN COPUOS

Primary IAA Commission Preference: Commission 1 / Commission 4

(From Commission 1 to Commission 6)

Commissions: 1 Space Physical Sciences, 2 Space Life Sciences, 3 Space Technology & Systems Development, 4 Space Systems Operations & Utilization, 5 Space Policy, Law & Economics, 6 Space and Society: Culture and Education

Secondary IAA Commission Interests: All other Commissions

(From Commission 1 to Commission 6)

Members of Study Team

Chair(s): Mazlan Othman (Malaysia)

(Must be member(s) of the Academy, M or CM)

Secretary: Marcello Coradini

Other Members:

(Open to members and non-members of the Academy)

Yasushi Horikawa (Japan), others in preparation

Short Description of Scope of Study

Overall Goal:

(Expected scientific or practical benefit of the study group's efforts)

The International Academy of Astronautics has a 50 year-long standing activity in electing the best experts on space activities, in selecting the best reviewers for the Academy publications, so that a pool of talent is clearly identified. When we look at the age of this pool of talents, there are many of them over 55-60 that might be available.

In the coming years, closer and more intense cooperation is expected between countries with established space capabilities and those gaining experience in space utilization. Over the past fifty years, space-faring nations have significantly advanced their space technologies, overcoming numerous technical, programmatic and political challenges. The path toward attaining a similar level of excellence and accomplishment in space technology capabilities will not be easy for developing countries without making comparable commitments particularly in research, development and funding.

In the past fifty years of space research and development have produced many experts with significant experience and knowledge in this field. More and more of these experts are now retiring,

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

but knowledge lessons learned and their best practices gained from their expertise and involvement should be utilized for space activities in the interest of emerging space countries. It would be very useful to examine how such expertise could be globally available on request.

The International Academy of Astronautics could undertake a database of experts in the world, open a web portal for allocation of experts for a given country and handle the technical support with a financial support for travel.

Intermediate Goals.

The International Academy of Astronautics would partnership with UN COPUOS and UN OOSA for this program.

Methodology:

(Email works, workshops, stand alone conferences, interim publications, etc.)

The cosmic study will be conducted to identify the main steps to be covered and the financial support of the project.

A first step with recommendations length of minimum of 5 to a maximum of 10 pages, in time for the January Heads of Space agencies Summit

A second step conducted in 2014 will aim at building a database of capabilities and more detailed investigations

Time Line:

(Cannot exceed three years)

Deadline for preliminary draft: October 31, 2013.
Full study December 2014.

Final Product (Report, Publication, etc.):

Preliminary report to be published on the occasion of the 2nd IAA Head of Space Agencies Summit to be held in January 2014.

Final report available in end of 2014

Target Community:

Small Satellite experts community, members and non-members of the Academy.
Space exploration community, Scientists, engineers,
Space Agencies from Africa and Latin America and other space agencies for support

Support Needed:

UN OOSA preliminary support

Potential Sponsors:

IAA, Paris, 2012 Form

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

byemail: sgeneral@iaamail.org

Date: 06/19/2013

(No Signature required if document authenticated).

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: