

53rd IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE MANAGEMENT IN SPACE
ACTIVITIES (D5)

Knowledge management for space activities in the digital transformation age (2)

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PROMOTING GLOBAL SPACE KNOWLEDGE AND EXPERTISE IN DEVELOPING COUNTRIES

Abstract

In many nations, space experts have helped to create incredible feats of engineering and science. As space-faring nations are already creating a new generation of space experts, many of the existing experts are nearing retirement or seek to share their knowledge. At the same time, many nations are just developing their space programs or just considering how they might begin. If properly connected, these space experts could provide support in developing space activities for start-up plans, design, implementation, and operation of space programs.

The International Academy of Astronautics serves as a vital link between these groups to help emerging nations, organizations, and those planning to start space development activities in the near future. The IAA has developed a list of space experts, advanced space organizations, and countries and organizations seeking expertise, and is now matching the needs of one with the resources of another.

This inventory includes:

- Organizations or project teams who wish to be reviewed in their satellite development of space research and utilization in developing countries and universities around the world Individual experts or organizations who can provide their reviews to the newcomers for space activities Space agencies and research centers in space-faring countries who already have such capacity building or support programs

This paper presents the results of the first phase of this work in creating the survey, database, and initial matching algorithm.