

44th SYMPOSIUM ON SAFETY AND QUALITY IN SPACE ACTIVITIES (D5)
Knowledge Management and Collaboration in Space Activities (2)

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SHARING KNOWLEDGE TO EMPOWER SPACE MISSIONS

Abstract

The International Astronautical Academy (IAA) Study Group on Knowledge Management for Space comprises more than 100 individuals from the space community (industry, agencies, laboratories, and universities) who are working to help capture, store, organize, and distribute knowledge of their organization.

The Study Group has had a variety of activities this year, including an International Workshop in KM for Space Missions in Germany, committee meetings, and a position paper. The position paper and related reports focus on an international ontology for space. This paper will describe the actions of the Study Group.

The Knowledge Management for Space Study Group is formulated under the IAA's Commission IV for Space Systems Operations and Utilization. The goals of the Group are to: –Define the organizational and inter-organizational issues that support or inhibit knowledge sharing amongst aerospace organizations (including capturing knowledge of our key experts and aging workforce) –Identify and recommend standards for knowledge management activities and initiatives to promote interoperability of key systems (such as lessons learned or publications) –Create, through consensus, a position on the recommended approaches for an aerospace organization to investigate to excel at knowledge management

Each year, the Study Group creates a set of plans that will support these goals.