

IAA Study Group Status Report

Responsible Commission: 5, Space Policies, Law and Economics

Study Number and Title: S5.9 International Cooperation on Space Weather - (Baker / Balogh / Paxton)

Short Study Description (repeat from Study Group Proposal):

- The complex interaction of the Solar magnetic field, electromagnetic radiation and particles emitted by the Sun and of galactic radiation with the interplanetary magnetic field and planetary atmospheres causes events and effects that are commonly referred to as space weather. Space weather can adversely affect spacecraft, satellites, electronic components and power-plant facilities, radio communications and other infrastructure elements on which human society is increasingly dependent.
- Over the last few decades a wide range of scientific programmes and international initiatives have been conducted to study space weather. They have contributed to increase our understanding of space weather-related events and effects.
- The purpose of this study is to review – from an international, scientific, economic and policy perspective – our present knowledge of space weather and its (socioeconomic) effects on human society, past and ongoing programmes and initiatives, identify possible existing gaps and untapped opportunities, and make recommendations and propose ways forward that could contribute to increase human society's understanding of - and resilience to – space weather.

Progress in past six months:

There has been no progress since October 2012, and W. Balogh confirmed he is no longer able to manage the study. After formal approval by Commission 5, the study will be proposed for cancellation.

Name of person providing Study Group Status (Study Group Chair or Co-Chair):
Werner Balogh

Status Report Date: 15 August 2013