SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE MANAGEMENT IN SPACE ACTIVITIES (D5)
Space Weather Prediction and Effects on Space Missions (3)

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COLLABORATION AND POLICY FOR SPACE WEATHER MODELING AND RISK MITIGATION

Abstract

Space weather information is provided by a variety of organizations, from national space agencies to universities to industry consortia. These organizations collect information from a specific instrument or instruments to inform an audience of scientists and engineers. What is lacking in this area is a international collaboration that seeks to connect the best information to the people most affected by space weather phenomena.

A concept called SWIFTER–Space weather informatics, forecasting, and enabling research brings together the following:

- International community of scientists, engineers, and industrial service providers that can understand, inform, and discuss the affects of space weather
- Data models that can be rated and vetted for accuracy
- Access to information across distributed data sources
- Communication mechanisms for new and experienced participants
- Engagement and collaboration opportunities that allow the general public to understand the affects of space weather

This paper will discuss the opportunities for participation and the evolution of SWIFTER into a capability that coordinates and promotes other space weather activities.