

Dear colleagues,

The topical issue of Journal of Space Weather and Space Climate about planetary space weather is now open (dead line for submission: 15 April 2018).

<https://www.swsc-journal.org/component/content/article/11-news/270-topical-issue-planetary-space-weather-deadline-15-april-2018>

Space weather – the monitoring and prediction of disturbances in our near-space environment and how they are controlled by the Sun - is since long recognised as an important aspect of understanding our Earth and protecting vital assets such as orbiting satellites and power grids. The concepts of space weather and space situational awareness have also been extended to other planets in our Solar System and in particular to spacecraft that voyage through it.

This Issue aims to detail available methods and tools developed in order to make services for planetary space weather and space situational awareness operational. Papers on the validation of the services, availability of data relevant to the field, as well as research on forecast and modelling of the planetary environments and their response to solar or meteor disturbances are welcome.

This Issue is based on the outputs of the sessions "Planetary Space Weather and Climate – Science and Services" at the European Planetary Science Congress in 2017 and "Planetary Space Weather Services" at the 14th European Space Weather Week which brought planetary and space weather scientists, amateur astronomers, service developers and end users together to address planetary space weather studies and recent developments of tools and services.

However, this Topical Issue is open to all contributors and not limited to EPSC 2017 and ESWW14 participants. Submitted manuscript must deal with space weather in the environment of at least one body other than Earth in order to be suitable for this issue.

This Issue invites contributions on the following broad topics:

- * Methods and tools for prediction or detection of planetary space weather
- * Validation of methods and tools against remarkable solar or meteor events
- * Space weather effects on planetary environments and spacecraft
- * Radiation modelling and effects at planets and spacecraft
- * Modelling of planetary environments and their response to solar disturbances

Best Regards,

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