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bonjour

en complement du message ci dessous: les outils du CDPP (AMDA + Propagation Tool) qui font partie du Heliospheric Weather-ESC seront disponibles a partir de fin 2016 - debut 2017 a travers ce portail (page preliminaire: <http://swe.ssa.esa.int/heliospheric-weather> )

Vincent.

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Dear SSA Space Weather Portal user,

The ESA SSA Space Weather team is pleased to present the new service pages as well as a wealth of new and improved products which was released on October 20th, 2016 in version 2.3.0 of the SSA Space Weather Portal (<http://swe.ssa.esa.int/>).

The SSA Space Weather service network is organised in order to provide 39 services distributed over 8 different service domains having each its specific groups of end users. The portal upgrade gives access to an initial presentation of 17 of these services targeting the domains: Spacecraft Design (3), Spacecraft Operation (2), Human Space Flight (1), Trans-ionospheric Radio Link (4), Space Surveillance & Tracking (1), Non-space System Operation(3), and General Data Service (3). Each service is implemented through a combination of derived data products, software tools, technical reports and associated user support addressing the high-level requirements of the associated group of end-users. User guidance for all services is available via the SSCC and is provided with expert scientific and technical support from the Expert Service Centres participating in the SWE Network. Furthermore, user feedback on the new service presentation format is welcome and encouraged.

In addition, this SSA Space Weather Portal upgrade will provide access to many new and improved products and tools.

Within the Solar Weather Expert Service Centre the following new and improved products are now available:

- the Osservatorio Astrofisico di Catania (INAF/OACT) provides White-light and H-alpha images, as well as Sunspot group characterisation
- Kanzelhoehe solar observatory (UGraz/KSO) has included real-time and archive white light imagery along with a flare alert email subscription product based on H-alpha observations.
- the Solar Influences Data Analysis Center (ROB/SIDC) has improved the searchability and presentation of all its products.

Within the Space Radiation Expert Service Centre the following new products are now available:

- the Center for Space Radiations (UCL) provides spectra time series and geographical maps of electron, proton and Helium fluxes as measured by the Energetic Particle Telescope (EPT) on board PROBA-V, as well as the spectrum characterization of the auroral electrons and of the South Atlantic Anomaly (SAA) protons and helium
- the Space Research Laboratory (UTU) provides very high-energy proton fluence environment for mission specification

Within the Ionospheric Weather Expert Service Centre the following new and improved products

are now available:

- the Ionosphere Monitoring and Prediction Center (DLR/IMPC) replaces SWACI and provides European regional and global total electron content (TEC) nowcast and forecast maps, Slab Thickness and Scintillation Index, and additionally provides maps of Rate of Change of TEC Index (ROTI) for Europe
- the Ionospheric Group of the National Observatory of Athens (NOA) has improved the layout and searchability of the European Ionosonde Service (EIS).
- the Finnish Meteorological Institute (FMI) provides the Sunlit Ionosphere Sudden TEC Enhancement Detector (SISTED) and the GNSS Solar Flare Activity Indicator (GSFLAI)
- the Heliogeophysical Prediction Service Laboratory of the Space Research Centre Polish Academy of Sciences (SRC PAS) provides archive of solar and geomagnetic indices for thermospheric drag calculation (SGIArv)

Within the Geomagnetic conditions Expert Service Centre the following new and improved products are now available:

- the GFZ German Research Centre for Geosciences provides Quicklook and Definitive Kp-index as well as Kp/Ap tabular and archive
- the Swedish Institute of Space Physics (IRF Lund) provides 30minute forecast of dB/dt for the European region
- the Finnish Meteorological Institute (FMI) provides maps for power and pipeline operators and table of modelled GIC
- the Tromsø Geophysical Observatory (UIT/TGO) has improved the layout and searchability of their pages and now additionally provides magnetogrammes from stations in Norway, Denmark, Finland and Greenland, global Ap, Kp, and local geomagnetic field index forecasts.

Please be aware that access to all SWE products and tools requires preliminary registration. Registration is now available per service, access to all underlying tools and products will automatically be provided. Note that the terms and conditions for accessing SWE products and tools have been reviewed. Please contact the SSCC Helpdesk ([helpdesk.swe@ssa.esa.int](mailto:helpdesk.swe@ssa.esa.int)) to request adaptation of your registration. Detailed instructions are available in the section “Applications preferences” of the SSA Space Weather Portal.

Best regards,

SSCC Operations Team  
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