

Real-time forecast service for geomagnetically induced currents An ESA Pilot Project

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The goal of the project is to develop a forecast service to be used by electric power companies to mitigate the effects of geomagnetically induced currents (GIC) caused by space weather. Swedish power companies (Elforsk) are the users of the service and take an active part in the project.

The service developer is the Swedish Institute of Space Physics (IRF) in collaboration with the Finnish Meteorological Institute (FMI).

The project shall result in a software package implementing a prototype service, and a cost-benefit analysis of the service. The service shall also be coordinated with the Space Weather European Network (SWENET).