



## The COMESEP Alert System

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Tools for forecasting geomagnetic storms and solar energetic particle (SEP) radiation storms have been developed under the three-year EU FP7 COMESEP (COronal Mass Ejections and Solar Energetic Particles) collaborative project. To enhance our understanding of the 3D kinematics and interplanetary propagation of coronal mass ejections (CMEs), the structure, propagation and evolution of CMEs have been investigated. In parallel, the sources and propagation of SEPs have been examined and modeled. During the third year of the COMESEP project the produced tools have been validated and implemented into an operational space weather alert system. The COMESEP Alert System provides notifications for the space weather community. To achieve this the system relies on both models and data, the latter including near real-time data as well as historical data. Geomagnetic and SEP radiation storm alerts are based on the COMESEP definition of risk. The COMESEP Alert System has recently been launched. Receiving COMESEP alerts are free of charge, but registration is required. For more information see the project website (<http://www.comesep.eu/>). This work has received funding from the European Commission FP7 Project COMESEP (263252).