



Solar-Terrestrial  
Centre of  
Excellence

## **Cosmic rays and space weather— research activities, service developments, and future strategy**

Tuesday, 17 May 2016 from 10:00 to 16:00

RMI Geophysical Center at Dourbes, Rue du Centre de Physique 1, 5670 Dourbes, Belgique  
(GPS: 50.09357,4.5888193; directions: <http://dourbes.meteo.be/en/contactinfo/how-to-get-here>)

Conveners: N. Crosby, D. Sapundjiev, S. Stankov

### **Agenda**

10:00	Welcome, incl. (self-)introduction of participants	S. Stankov
10:15	A (brief) history of the cosmic ray monitoring at RMI	J.C. Jodogne
10:30	Cosmic Rays – introduction and research topics	D. Sapundjiev
11:00	The Neutronmonitor database (NMDB) and its applications to space weather	Ch. Steigies
11:45	Characteristics of solar events that produce GLE events	TBC
12:30	Lunch	
13:00	Visit to the neutron monitor facility	
14:00	GLE alerts as input for SEP forecasts	M. Dierckxsens
14:30	Cosmic rays and dosimetry at aviation altitudes	E. De Donder
15:00	Radiation hazards for astronauts: the part of cosmic rays	Ch. Muller
15:30	Discussion	
16:00	Close	