
2013
SPENVIS
User Workshop
22-24 May
Brussels

Welcome to SPENVIS User Workshop 2013

- SPace ENVironment Information System
  - Software of the European Space Agency (ESA)
  - WWW interface to models of the space environment and its effects
  - First public release in 1998
- Workshop Goals
  - Bringing SPENVIS users together to share their experiences
  - Presenting new and forthcoming developments of SPENVIS
  - Better identifying SPENVIS user requirements.
- Fifth edition
  - 2002 (Noordwijk)
  - 2005 (Leuven)
  - 2006 (Pasadena)
  - 2010 (Mechelen)

SUW 2013 Context

SPENVIS
The Space Environment Information System

www.spenvis.oma.be

swe.ssa.esa.int

www.spenvis-ng.eu

aeronomie.be

belspo

.be

SUW2013
Workshop Programme

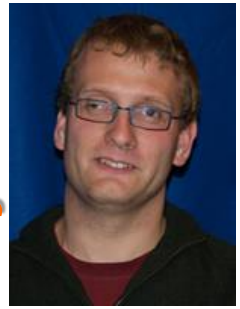
- Six sessions
  - SPENVIS in general — Wed 22 May PM
  - Space Radiation Environment — Wed 22 May PM
  - GEANT4 Tools — Thu 23 May AM
  - Single Event effects — Thu 23 May PM
  - Spacecraft Charging — Thu 23 May PM
  - Miscellaneous — Fri 24 May AM
    - Discussion / Round-up
- General session logic
  - One highlight talk
  - One tutorial talk
  - Few use cases
- Posters

SUW 2013
Workshop organisation & preparation

- Steering Committee
  - M. Kruglanski, H. Evans, E. Daly, D. Rodgers

- Local organising committee

Stijn



Sophie

Erwin

Ablaye

Laszlo

Neophytos

Workshop social event

- Starting from the Royal Library at 17:30

…with a guided tour

…to show you Brussels

….as you have not yet seen ?

SUW 2013
Wednesday 22 May

Session 1: SPENVIS in general		
13h30-13h40:	Welcome	M. Kruglanski (BIRA-IASB)
13h40-14h00:	ESA perspectives	E. Daly (ESA/ESTEC)
14h00-14h45:	Overview of current and future SPENVIS and Organization Tutorials	M. Kruglanski (BIRA-IASB)
14h45-15h05:	European Cooperation for Space Standardization (ECSS)	E. Daly (ESA/ESTEC)
15h05-15h20:	Coffee break	
Session 2: Space Radiation Environment		
15h20-15h50:	AE9, AP9, and SPM: New Models for Radiation Belt and Space Plasma Specification	S. Huston (Aer Inc.)
15h50-16h35:	Tutorial: Radiation models in SPENVIS and their accuracy	D. Heynderickx (DH Consultancy)
16h35-16h55:	A comparison between high-energy radiation background models and SPENVIS trapped-particle radiation models	J. Krizmanic (Universities Space Research Association)
16h55-17h15:	Numerical estimation of Galactic Comic Ray (GCR) exposure in space - An Investigation of GCR models and shielding effects	A. I. Mrigakshi (DLR - German Aerospace Center)