

Dear Spacecraft-Plasma Interactions colleague,

Thank you for your acceptance to participate to the next SPINE workshop. As indicated in our earlier announcement a key objective of the workshop is to obtain a consolidated list of user requirements for SPIS development in support to the Cosmic Vision missions. We would thus appreciate if your contribution has particular focus presenting specific issues with plasma interactions with spacecraft and scientific instruments, and prospective approach for modelling them. Please not that it may not necessarily directly deal with an already identified Cosmic Vision mission as not all missions have been identified yet and past data and observation are anyway very useful to validate some model developments.

A preliminary agenda of the workshop is attached to this letter. Details on scheduling of presentations will follow late this week. The workshop will first consist of presentations on the current modelling capabilities and limitations of SPIS, it will then be followed by presentations on problems and prospective approach for modelling plasma interactions with spacecraft and scientific instruments, and then by a discussion of the actual physical processes to model and the corresponding accuracy requirements.

For information you will find attached a preliminary list of user requirements.

We would be grateful if you **by noon in Wednesday, Jan 12**, could provide us with the following information to [Anders.Eriksson@irfu.se](mailto:Anders.Eriksson@irfu.se) :

- Whether you intend to make a presentation
- Title of your presentation
- Type of instrument/observation you are working on
- Type of analysis and/or problems you are confronted with
- Modelling activities performed and/or required

Looking forward to seeing you next week.

Yours sincerely,

Anders Eriksson, Julien Forest, Vincent Genot, Alain Hilgers, Jean-Charles Matéo-Valez, Pierre Sarrailh / Workshop organizers

Agenda for the SPINE meeting  
Museum Gustavianum, Uppsala University, Jan 17-19, 2011

Monday 17 Jan /14:00-18:00

- Presentation by the project team of:
  - o SPIS-SCI project (ONERA, TBC)
  - o Current SPIS capabilities (ONERA, TBC)
  - o Focus on some major SPIS limitations (ONERA+ESA, TBC)
  - o Overall SPIS development plans (ONERA, TBC)
  - o Other modelling tools (IRF, TBC)
  - o Cosmic vision missions, instruments, main issues (ONERA+IRF, TBC)
  - o Review of available interesting data (ONERA+IRF, TBC)

Tuesday 18 Jan / 9:00-12:30 / 13:30-18:00

- Presentations by participants of:
  - o Specific issues with plasma interactions with spacecraft and scientific instruments, and prospective approach for modelling them (All)

Wednesday 19 Jan / 9:00-12:30

- Review and discussion of:
  - o Effects and cause to be modelled (moderated by IRF, TBC)
  - o Parameters required for modelling effects and cause (moderated by IRF, TBC)
  - o Possible modelling issues (moderated by ONERA, TBC)

Wednesday 19 Jan / 12:30: Workshop closing.