

European Technology Network

Sustainable Electromagnetic Environments

To the stakeholders of the 'European Technology Network for Sustainable Electromagnetic Environments'- initiative

Subject : Further initiatives of the Core Team

Zoetermeer, 6 January 2006

Dear stakeholder,

The European Commission decided not to establish a separate European Technology Platform on EMC. The main reason seems to be that the EC wants only a limited number of ETP's, and then in vertical area's.

Our objective continues however to get EMC topics into the European Research Programs (FP7). The ETP was an excellent vehicle, but even without the ETP we think that it is still possible to reach our objective.

We got now already some momentum in Brussels, and we think that we can use this momentum. Therefore we decided to change the name of our ETP-SEE in ETN-SEE: European Technology Network for Sustainable Electromagnetic Environments (ETN-SEE). The objectives remain the same, with the main objective: EMC in FP7.

A key element is the Strategic Research Agenda. This SRA will be used by existing ETPs to enhance their proposals for FP7. If possible, we would like to include this SRA directly into FP7 resulting in dedicated calls.

Creating a Strategic Research Agenda is a tough job, and we need your help. We have to define our vision of the future, sketch main trends taking emerging technologies into account, and quantify them: We have to state clearly the European Industry needs.

We propose to have a Core Team meeting on 9 February with a first draft of the vision and trends part, resulting in main domains, including, for instance:

- Health and the environment
- Novel (reduced interference) communication technologies
- Novel materials (new shielding technologies, nanotechnology (absorbing materials, frequency selective surfaces))
- Security (intentional EMI)
- Interoperability of systems

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- EMC standardization (spectrum control, new test methods, IC/module testing, multimedia, automotive, ...)
- EMC/SI Design topics (EM Integrity of components, circuits and signals, Modeling & Simulation (future methods, analysis and synthesis, design and expert tools), IC/package design, future PCB technologies, wired & wireless interconnect technologies)
- Stochastic modeling
- EM Safety (EMF, IEMI, product safety, functional safety)
- and in overlap with other ETPs

Please send us your suggestions!

Within each domain we will create working groups headed by a WG leader, with a first discussion during a working session at EMC-Zurich in Singapore, and followed by e-mail discussions moderated by the WG leaders.

On Wednesday afternoon 22 March we intend to list the main domains and then quantify the trends and goals during a discussion meeting with all of you organized by COST 286 and Prof. Ferran Silva, in Barcelona (www.upc.edu/web/gcem). An agenda for this meeting will be distributed 3 weeks in advance. Please inform us if you want to attend the meeting.

The WG leaders and the Core Team will combine all results into one coherent SRA. This draft SRA will be available for comments and suggestions end of April 2006.

These actions will be discussed soon with the Core Team and Mr. Mattiuzzo from the European Commission, in order to get support and to have high-level access to the existing European Technology Platforms.

The objective is to have our SRA ready beginning of June, so it can be used by the other ETP's and the EC to define calls for the first phase of FP7, end of 2006.

We need your suggestions and support, on the actions to be taken, and also on the topics/domains! Thanks in advance for your co-operation.

With kind regards,



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