

Member Newsletter



Issue 1, June 2008

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Word from the Secretary General

ESTEP is now 4 years old (officially created in March 2004) and its working groups have already produced a lot of work, in particular the SRA. Furthermore 8 working groups if we include both the Implementation and Support Group met 3-4 times a year to implement the medium/long term R&D programme with the support of several additional sub-groups.

This Member Newsletter is an initiative of the Communication sub-group created last year and lead by Wim Moonen. It will aim at keeping you informed about the progress of our implementation activities or highlights with regard to on-going projects. It will be published when enough information is available. Chairmen of WGs and coordinators of projects are kindly invited to make a contribution.

There are now 34 ETPs which have been asked to influence the 7th Framework programme. Some more recent ETPs may have more visibility than ESTEP as they have been launched recently and address current European consensual issues (i.e H2 and Fuel cells, photovoltaic, etc.) but are still at the implementation stage. However ESTEP is one of the more active from the Technical point of view, if one

considers the results already achieved: success of ULCOS I, contribution to structure the long term R&D steel programme and the annual RFCS priorities, contribution to the creation of national steel platforms, set up of international network on Sustainability (SOVAMAT), etc.

Unfortunately the first calls of the FP7 were not favourable to ESTEP as they didn't fit its SRA priorities. The Steel Platform is doing its best to react to this but Innovative initiatives should be taken as soon as possible to implement its ambitious programme, in particular National and Regional Programmes. The next Mirror group meeting and national representatives should help.

DG TREN Questionnaire

In a continuing effort to try to align work programmes with the ESTEP priority topics ESTEP secretary General Charbonnier seconded by first Mr Heikkinen(Ruukki) and Mrs Koukkari (VTT), then Mr Fera (RIVA) and Mrs Colla (SSSA) had meetings with DG TREN. This DG is preparing the next call on Energy to be published in June 2008 and submission in November 2008. DG TREN is still discussing the programme "Energy



efficiency in the manufacturing industry" with Member States and Industry. DG TREN has sent 10 questions to be answered. The questionnaire will be used to prepare the next 2009 call. This call will be open in June 2008 and published in October/November 2008. It should address "Energy efficiency in Industry". Several members responded to the questionnaire helping the SG to summarize an answer from ESTEP. DG TREN acknowledged the ESTEP document. It is agreed that ESTEP stays in contact with DG TREN through Mr Fluxa.

This is a nice example how a quick response can help to improve our possibilities in FP7.

ULCOS II and Eurêka

Representatives of the ULCOS consortium with ESTEP SG Charbonnier met with Eurêka representatives and G. Marquette, President of Eurogia+ on 15 April. Eurogia+ is a cluster of Eurêka which aims at developing large European programme to mitigate the energy consumption growth by providing cleaner and safer technologies and processes. It is a Eurêka initiative for Low Carbon Energy Technologies which are involved in the CCS issue and could support the ULCOS II-CCS programme. The ULCOS consortium is currently considering this offer.

ULCOS II and EIB

A delegation of the ULCOS consortium with ESTEP SG Charbonnier and Dr. JL Delplancke from the Commission has talked with representatives of the European Investment Bank (EIB) on 22 April. The EIB were eager to learn about the plans for ULCOS. There are several possibilities for loans. Obviously the bank has to get more information to assess the bankability criteria. Nevertheless the Risk Sharing Facility seems to be an interesting option for any of the 4 subprojects of ULCOS. When going further into details the consortium should provide a business plan. Main issue for the bank is, of course, how the loan will be paid back in the end.

The consortium will do some homework and contact the EIB again after summer 2008. The EIB is prepared to take ULCOS II on board. A project officer has already been assigned.

First exchange with the Zero Emission Platform (ZEP)

Further to the decisions of the Steering Committee of 27 February 2008, ESTEP SG Charbonnier met ZEP on 7 May to request a common meeting ESTEP-ZEP to envisage the participation of ESTEP in the Flagship programme (12 projects on CCS) of ZEP. There was a unanimous agreement of the ZEP participants to cooperate with the ESTEP platform and ULCOS II-CCS programme. This programme represents a good opportunity for ZEP to open its network to one of the most important energy intensive industries.

Forthcoming calls FP7

Overview of FP7 2008 Calls		
Co-ordination theme	Call Identifier	Deadline for submission
NMP	FP7 ERANET 2008 TREN 1	2008 12 31
	FP7 NMP 2008	2008 03 06
Energy	FP7 ENERGY - 2008 TREN 1	2008 10 08
Environment		
P & M Curie	FP 7 People ERG -2008	2008 12 31
	FP 7 People IRG -2008	2008 12 31
	Marie Curie Initial training networks ITN 2008	2008 09 02
	International Incoming Fellowships - 2008	2008 08 19
	International Outgoing Fellowships -2008	2008 08 19
	IEF 2008	2008 08 19
ICT	FP7 ICT 2007 -C	2009 01 20

Development of roadmaps

At the moment there are several small groups working on Roadmaps as



requested by the Support Group. The idea is that for the important topics of the SRA there should be a roadmap. The thinking should start from the end goal in 2030 and then all ideas and efforts should be put in a schedule. Current barriers and objections should be avoided in order not to limit us in realising ambitious targets.

The group on Scale Free has done a fine job in the past few months. In discussion with WG1, the working title is now: *"from smart scale to scale free"*. The task for the group is to write up a document for presentation at the next meeting of the Support Group 27 May 2008.

The group for the roadmap Intelligent manufacturing is having intense discussions. It is much more difficult to put everything in a coherent and comprehensive view. The group is to develop what should be considered as Intelligent manufacturing. The next step is to discuss the ideas of the group in a workshop with a larger group in May/June 2008. ESTEP Secretariat will assist the organisation of this workshop.

A third Roadmap on the sustainable use of resources in the European Steel Industry is also being prepared by the WG4. A draft document was produced based on the team work carried out during the Saint Denis/Paris meeting of 30 May. This document is being completed and approved by other members.

Other roadmaps are also prepared by the working groups focusing on the targeted markets of ESTEP. Both the Construction and Energy sectors are currently drafting roadmaps and the Automotive will do in the future.

WG1-Profit

WG1 met on 8 April, primarily to discuss first ideas for the RFCS Call 2008. On the table were only some first global ideas that address the new RFCS priorities. Energy and resources savings is of course a hot item at the moment. Use of waste heat and control of reheating furnaces were mentioned. Next there were some ideas

about sensor development. Also there were some ideas about pre-fabrication but these belong more to other WGs. This coordination is important so that in the end there are no competing proposals from ESTEP. WG1 has decided that proposals in the area of Intelligent manufacturing should be considered by the current group. Seeing that PRESTER is no longer available, WG1 also decided that ideas should be uploaded to CIRCA for responses from the WG members.

Working group for the Roadmap Scale Free has done a fine job. The task is now to write up a document *"From smart scale to scale free"* for presentation at the next meeting of the Support Group 27 May 2008.

The working group for the roadmap Intelligent manufacturing is going to discuss their ideas in a workshop with a larger group in may/June 2008.

WG4-Planet

Beside the preparation of its roadmap, WG4 has deployed a huge activity to organise the SAM2 conference which held in Nantes (F) on 24-25 April. More than 80 people attended this international event and among them worldwide experts (in Environment, sociology, anthropology, engineers, designers, etc.). Representatives from structural metals, and many other materials (like wood, cement, plastics), academic people (24 universities of which overseas University of Tokyo and Polytechnique of Montreal), experts from Research Institutes (7 European Institutes) and one Institution exchanged their views about social impact of materials for the future.

This second Sam meeting was a great success and SAM3 will take place next year at the University of Freiberg in Germany.

WG5-People

Working group 5 has now been reorganised and has 3 working sub-groups. The 3 sub-groups on "Recruiting",



“Training” and “Research and Funding”. have had their first meetings.

1st Steel Spring school will be set up. EU programs concerning lifelong learning were presented. A high level training course will take place from 11-15 May 2009 in Aviles (Spain) organised by Istituto Franco Momigliano and Stahlinstitut VDEh. WG5 is working closely with the Social Dialogue Committee. Representatives exchanged information on health and safety, climate change and employment and the case of the Steel industry and the analysis from EMF on how Sectoral Social Dialogue can deal with structural changes in the EU steel industry.

ESTEP Priorities RFCS

In the meeting of the Support Group on 24 January the proposal for a revised set of RFCS priorities has been discussed. All WGs have contributed to it. The main target remains that the priorities reflect items from the SRA. The topics should be specific and the list should also be short to be real priorities. Several new topics have been exchanged for topics which have addressed in the RFCS Call 2007.

Current priorities (2008) with relevance for the RFCS programme

Novel integrated routes for a scale free and energy efficient processing

- **To recover thermal energy**
 - Energy recovery from high temperature processes

Intelligent Manufacturing

- **Total control of the process**
 - Enhancement of steel industry performances by combining conventional or advanced sensors together with intelligent data usage and supervisory systems

Energy effectiveness and resources savings

- **The sustainable use of natural resources**
 - Using residues as secondary raw materials or lower quality primary raw materials
 - Improved technologies to reduce climate change impacts

Automotive Industry

- New steel grades and innovative manufacturing methods for complex components
 - Body and power train solutions for lightweight and improved safety
- Surface technology on steel sheets for automotive applications
 - Improved corrosion resistance and manufacturability

Construction sector

- Safe and Healthy steel construction
- Structural safety in seismic conditions
- Advanced prefabrication and execution technologies
 - remote fabrication

Energy sector

- New-highly performing steel pipes and components for oil and gas wells and for high productivity energy transportation
 - OCTG and premium joints for highly demanding applications
 - Heavy wall tubular products for deep water oil and gas fields
 - New generation of ultra HS-high toughness (X100/120) and low cost steel pipes
- New classes of heat resistant steels
 - High creep strength (for 325 bar 650°C)
- New steels and components for alternative energies
 - Light weight constructions: Wind Farms (component manufacturing and life assessment tools)

The Steel Advisory Group in its meeting of 29 January has approved the proposal of ESTEP, so these will be applicable to the RFCS call 2008 closing 15 September 2008.



Forthcoming events

Second international seminar on Society and Materials

Nantes, France 24-25 April

Meeting ESTEP WG3

ESTEP, Brussels 19 May

Meeting ESTEP WG6

ESTEP, Brussels 20 May

Meeting WG Implementation

ESTEP, Brussels 26 May

Support Group meeting

ESTEP, Brussels 27 May

Meeting WG1

ESTEP, Brussels 26 June

Meeting WG6

ESTEP, Brussels 25 September

Meeting WG1

ESTEP, Brussels 9 October

Meeting WG Implementation

ESTEP, Brussels 13 October

Support Group meeting

ESTEP, Brussels 14 October

Colophon

The ESTEP Member Newsletter is issued on a regular basis by the ESTEP Secretariat to the ESTEP members. The editorial panel consist of JC Charbonnier, N. Remoy and WHL Moonen.

Contributions for the newsletter can be sent to the ESTEP secretariat.

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