
Welcome to the first edition of the eseia Newsletter!

Dear eseia members, colleagues and friends,

Spring is coming and eseia is ramping up its performance considerably with a number of **new services to members**.

To start with, eseia announces the launch of the **eseia Open Access Journal "Energy, Sustainability and Society"** edited by Michael Narodslawsky from TU Graz and published by Springer in cooperation with Helmholtz.

The eseia Secretariat proudly presents the inaugural edition of the **eseia Newsletter** which is a free service for members and which I hope you will enjoy exploring. Secondly, the Secretariat will shortly launch the **new eseia interactive website**. Finally, the eseia Secretariat will proudly present its **Annual Report 2010** which gives an overview of activities in the past year.

Even though the Secretariat is trying hard to respond to the needs of members, our new services will only be as efficient as the inputs members wish to provide. The more you engage in exchanging your news on this new eseia platform the better the service.

I am looking forward to another successful year of cooperation.

Brigitte Hasewend
Director of eseia

About the new eseia Newsletter Service

The present newsletter will feed its members with news from the grapevine, information about running and forthcoming projects, events, publications and top news from the European Commission and other funding organisations. It provides a new tool for eseia members to exchange information over a central platform, strengthening collaborations and attracting new members. Starting with its first edition in February 2011 the eseia Newsletter will be a permanent free service to eseia members from the Secretariat on a quarterly basis with the following content structure:

1. **News from eseia** Offices Graz and Brussels
2. **News from eseia members** for exchanging information among the eseia membership
3. **Projects** covers running and upcoming eseia projects
4. **Events** features a selection of eseia events and events organised by eseia members
5. **European Policy News** provides glimpses of the European policy framework

Please note that the first pdf-newsletter is a pilot edition. Subsequent newsletters will be delivered via the new eseia website, which will be launched in April 2011. To meet members' requirements with the newsletter service in the best possible way, you are welcome to provide your feedback on structure, content and layout. For your convenience a feedback sheet is attached to this newsletter.

How to Subscribe to the eseia Newsletter Service

This Newsletter is available for free to eseia member organisations and their staff only. If you wish to distribute the eseia Newsletter to staff from among your organisations to encourage their participation in eseia activities, you are welcome to do so. Please ask the person to subscribe to our Newsletter Service by sending an e-mail to office@eseia.eu.

1. News from eseia

eseia launches Open Access Journal

News on eseia Open Access Journal **Open Access Journal "Energy, Sustainability and Society"**: Chief editor Michael Narodoslowsky of TU Graz is proud to announce that the eseia Open Access Journal published in cooperation with Helmholtz and Springer Publishing was successfully launched in early 2011. eseia members are contributing as co-editors. Currently, Springer Publishing is preparing the internet platform for the Open Access Journal. Springer Publishing has already received several contributions. You are invited to submit papers as soon as possible. Deadlines for the submission are: 4 April 2011, 5 May 2011 and 6 June 2011.

For further information please contact Michael Narodoslowsky,
e-mail contact: narodoslowsky@TUGraz.at

Brussels Office News: Ina Körner from TUHH joins eseia Brussels Office

In January Ina Körner from the TU Hamburg Harburg (TUHH) joined the eseia Office in Brussels as Research Advisor for an initial period of half a year. Ina leads the Bioconversion and Emission Control Group of TUHH. Her Group carries out research on the efficient utilisation of bioresources and their transformation into energy and material products. Furthermore she teaches in the area of bioresource management and biorefinery technology.

Ina Körner has supported the following two main activities, an FP7 KBBE Proposal coordinated by TUHH in cooperation with eseia as well as a revamp of a COST proposal on bioresources. She is currently preparing inputs to the eseia Workshop in the context of the European Sustainable Energy Week 2011.

Ina Körner's feedback on her first month at the eseia Brussels Office: "A stay in the eseia Brussels Office enables a wide range of valuable activities, contacts and experiences. I value the possibility of personal contacts with Brussels-based representatives of European regions. I had the chance to discuss cooperation with the North German Representations, the Hanse and Bremen Offices. Furthermore, I participated in a multitude of events on relevant topics. These Brussels business events are usually followed by "networking cocktails". I recently joined a debate on "Climate and the outcomes of Cancun" organised by the North-Rhein Westphalian Representation as well as a debate on water issues organised by the Water Group of the European Parliament. These kinds of events give a good overview on trends and activities going on in Europe and the World and give a good opportunity for initiating networking activities."
eseia wishes to thank TU Hamburg-Harburg (TUHH) for seconding Ina Körner to support



Ina Körner, EUSEW Brussels 24 March 2010, Brussels Office, February 2011, © eseia 2011
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the eseia activities in Brussels.

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eseia members want more of eseia, read members' feedback on work programme and budget 2011

We are currently integrating your precious inputs on the questionnaire to the Work Programme and Budget 2011 to improve our performance and impact. Expecting more information, we have extended the deadline for the input on the Annual Report and Work Programme 2011 to Friday, 4 March 2011. The following list is a selection of benefits listed by members in response to the questionnaire.

- intensified cooperation between institutions
- extended dissemination of the results and activities
- central coordination by the eseia Secretariat
- joint proposal initiatives
- connection to other regions in Europe
- joint focus on energy innovation in regions
- internationalisation of research and innovation
- wide framework of top institutions and partners
- increased visibility and bargaining power of a large team bound by coherent action
- access to a wider view on technology, innovation, policies about renewables and sustainability
- development of new path in collaboration between regional areas in Europe

Thank you for your inputs!

2. News from eseia members

This section is dedicated to you. All eseia members are invited to contribute information on ongoing or newly started projects, reports on recent events, newly publications from members on issues of interest in the thematic focus of eseia and any other news relevant for the broader eseia audience.

Publications

The following publication was highlighted by our Dutch member organisation, the University of Twente, Maarten J. Arentsen.

Governance of Innovation - Firms, Clusters and Institutions in a Changing Setting (2010)
Edited by Maarten J. Arentsen, University of Twente, Wouter van Rossum, Netherlands Defence Academy and Albert E. Steenge, University of Groningen, The Netherlands: Edward Elgar Publishing
For further Information follow this [Link](#).

Training on Sustainable Energies

For the third time TU Graz organizes the **STYRIAN ACADEMY for Sustainable Energies** in Graz, Austria 4 - 8 July 2011 on **"Efficient Energy Storage and Smart Grids"**. The STYRIAN ACADEMY features an International Summer School for master's and PhD students and an International Business Training Seminar. You are welcome to participate as lecturers and forward this information to interested students, business contacts and partner organisations. For further information on the event please contact the STYRIAN ACADEMY Office, e-mail: styrianacademy@tugraz.at and visit the STYRIAN ACADEMY website <http://styrianacademy.eu>.

3. eseia Projects

This section provides information on ongoing eseia projects.

eseia proposals submitted for funding



RECAP – In November 2010 32 European partners spanning academia, SMEs, and city administrations and 6 eseia members (Fondazione Bruno Kessler, Instituto Politecnico de Leiria, National Laboratory of Energy and Geology, TU Graz, University of Twente, Vilnius Gediminas Technical University) submitted a project for the FP7 ENV Programme on Sustainable and Resilient Green Cities. The consortium focuses on the climate challenge of European cities and the development of new solutions to promote sustainable urban development. eseia will contribute its expertise in dissemination and transfer of project results. In January the proposal successfully passed the first evaluation round (10.5 out of 15 points: Scientific and technological excellence 3/5, Quality and efficiency of management 4/5, Potential impact 3.5/5.). The final funding decision is imminent.



RENERTech – A consortium of 6 scientific eseia members (TU Graz, Parthenope University of Napoli, Dublin Institute of Technology, University Twente, University Maribor and Akershus University College) and 10 private sector partners submitted a proposal in the Marie Curie Initial Training Network Programme in mid-January 2011. The project on “Regional Optimization of Renewable Energy Systems” will develop tools for planning and optimizing regional sustainable energy systems with an interdisciplinary focus and train early stage researchers in the planning an implementation of regional adapted solutions. eseia will support links to the EC policy framework and the dissemination and transfer of the project results for further development among members. The proposal is currently under evaluation, First results are expected for mid-May 2011.



Central Europe - eseia is associate partner of a consortium under the European Territorial Cooperation Central Europe Programme promoting renewable energy sources and increasing energy efficiency by visualizing and quantifying energy demands on regional and local levels in central European countries. eseia’s advisory role will broaden its chances and strengthen its potential for initiating innovation in the field of regional sustainable energy solutions. The project is in line with the 2011 systemic challenge to establish eseia as a strategic partner for European model regions. The proposal under the Hungarian lead partner is currently in the 2nd evaluation stage. It is likely to be funded as there is one proposal submitted.



Use-WaSTE – BioWASTE – Novel Biotechnological approaches for transforming industrial and/ or municipal biowaste into bioproducts. This proposal was initiated and coordinated by TUHH (Prof. Smirnova, Dr. Zetzl) and submitted to FP7-KBBE- 2011.3 in January 2011. eseia participates in the dissemination part. As further eseia-members Ina Körner (TUHH), Monica Schofield (TUTECH) and Yoram Krozer (University Twente) joined the team. The evaluation will be running until the end of April with information on the outcome expected in September.

eseia projects under development

The following section provides an overview of projects under preparation. You are welcome to contact the coordinators given in each of the info sections.



IAPP – Under the overall thematic focus of “Green Powertrain Systems” the eseia Secretariat is supporting a proposal in the area of technical chemistry and technical mathematics currently developed by TU Graz and FBK in cooperation with BRP Powertrain. The initiative aims a strengthening cooperation between eseia academic and business partners by means of a joint research programme, staff

exchange and networking activities. Partners interested in participating with expertise in the field of technical chemistry (catalytic materials for internal gasoline combustion systems used in recreational vehicles to reduce overall exhaust emissions) and technical mathematics (development of a simulation model "Design of Experiment" for Powertrain systems) are welcome to send their expressions of interest to the eseia Secretariat (office@eseia.eu) or Josef Furlinger (josef.fuerlinger@brp.com).
Deadline End of 2011 (tbc)



SMART energy Regions of Tomorrow – Under the title “SMART energyREGIONS of TOMORROW” the eseia Secretariat is organizing an event in the context of the European Sustainable Energy Week (EUSEW) 2011 in Brussels. A workshop will be held at the eseia Office building in Brussels, 13 April. Experts will discuss the energy challenges of the consumers of tomorrow with young people with a broader audience. The SMART energy regions workshop 2011 will introduce a broader initiative for the encouragement of young people to think about the future of energy in the eseia regions and develop visions about the necessary steps towards a sustainable energy environment in their regions. A special focus for the young people will include the discussion on the energy job profiles of tomorrow. For further information and registration, please go to the website [Link](#) or send e-mail to office@eseia.eu.



IEE - Intelligent Energy Europe – The eseia Secretariat is supporting an initiative of TU Graz (Prof. Schnitzer, Institute for Process and Particle Engineering) under the current IEE 2011 call SAVE – Industrial excellence in energy, for designing, testing and disseminating training modules for technology experts. The IEE is a widely varied European call meeting a series of eseia’s strategic focus areas. Apart from SAVE (Energy efficiency), the themes range from ALTENER (New and renewable energy resources), and STEER (Energy in transport), to INTEGRATED INITIATIVES (e.g., Local energy leadership and investments; energy efficiency in buildings;

training and qualification). A first project outline has been sent out by the eseia Secretariat Wednesday, 16 February 2011. Further project ideas are welcome. Please contact Hans Schnitzer (hans.schnitzer@tugraz.at) or the eseia Office (office@eseia.eu).
Deadline 12 May 2011



European Cooperation in Science and Technology: COST – Under the last call in September 2010 the eseia Secretariat supported the submission of a total of 6 proposals from eseia members in the five domains Transport and Urban Development (TUD), Food and Agriculture (FA), Forests, their Products and Services (FPS), Chemistry and Molecular Sciences and Technologies (CMST), Food and Agriculture (FA), Transdomain. The proposals aim at the enforcement of research networks to exchange knowledge and to embark on new European perspectives and are currently prepared for resubmission by the responsible eseia members. If you are interested in cooperation please contact the responsible eseia members.
Deadline March 25 2011

1. Sustainable-living - Towards Affordable and Sustainable Living Models for European Communities (IFZ (Suschek-Berger), 11 partner from AT, DE, ES, LT, RO, PT); Contact: Jürgen Suschek-Berger (suschek@ifz.tugraz.at)
2. Bio-resource Flow Management (TU Graz (Narodoslawsky), 13 Partner from AT, DE, HU, IE, NO, PL, SLO); Contact: Michael Narodoslawsky(narodoslawsky@tugraz.at) or Ina Körner (i.koerner@tuhh.de)
3. Bio-Business Models (University of Twente (Arentsen), 11 Partner from AT, DE, IE, NL, PT, SLO); Contact: Maarten Arentsen (m.j.arentsen@utwente.nl)
4. Algae Biomass Refinery for the simultaneously capturing of CO2 and the generation of fine chemicals and bio fuels(TU Graz (Schnitzer), 14 Partner aus: AT, BE, DE, IT, SLO, SK); Contact: Hans Schnitzer (hans.schnitzer@tugraz.at)
5. Energy Grid Link (Fondazione Bruno Kessler (Crema), 8 Partner from AT, DE, IT, LT, PT, SK); Contact: Luigi Crema (crema@fbk.eu)
6. Bio-Energy Certificate (University of Maribor (Bavec), 15 Partner from AT, ES, IT, LT, SLO); Contact: Bavec Martina (martina.bavec@uni-mb.si) or Michael Narodoslawsky (narodoslawsky@tugraz.at)

Upcoming Calls including news from the grapevine

The following section contains information that eseia obtained confidentially in advance of public announcement. Please read with care.



Smart Cities – Within the European SET Plan an initiative on Smart Cities was set up; 10-12 b€ will be spent over the next ten years for European cities and regions "to take ambitious and pioneering measures to progress by 2020 towards a 40% reduction of greenhouse gas emissions through sustainable use and production of energy." In preparation for this initiative, a national call was launched in Austria on "Smart Energy Demo - fit4SET". For the two-level national application process, eseia member TU Graz is currently working on a proposal with the City of Graz. **The European Call is most likely to be published in the summer with a deadline end of 2011.**

For further information or in case you are interested in participating, please contact the eseia Secretariat (office@eseia.eu). For further general information follow this [Link](#).



Regions of Knowledge – The "Regions of Knowledge" initiative responds to a need to increase the overall capacity of regional players to enhance science and technology for economic development of all European Regions to improve global competitiveness.

The expected outcome is an improvement in cooperation between research centres, enterprises, regional authorities and stakeholders, foster transnational and cross-border cooperation and enhance mutual learning of regional actors, exchange experience and best practice (Joint Action Plans). The overall objective is the development of regional research-driven clusters.

Next Call is likely to be published in July 2011

Deadline: towards the end of 2011 or possibly January 2012

Focus: Sustainable energy (to be confirmed)

The eseia Secretariat offers to prepare a proposal. If you are interested in participating, please contact the eseia Secretariat or narodoslawsky@tugraz.at. Further information is available from the Cordis website [Link](#)

4. Events

In this section an overview of forthcoming eseia events, events run by eseia members and a selection of events of potential interest to eseia members are presented. You are invited to send information about your events to the eseia Secretariat for inclusion in this Newsletter.

Calendar of eseia events 2011

- April **Brussels, Belgium, 12-13 April 2011:** eseia General Assembly and Governing Council meetings back to back with the European Sustainable Energy Week Workshop (EUSEW 2011) organised by the eseia Secretariat (BELGIAN EC PRESIDENCY)
- June **Leiria, Portugal, 30 June-1 July 2011:** eseia business meetings back to back with the "Sustainable Intelligent Manufacturing Conference" run by the Polytechnic Institute of Leiria
- November **Braşov, Rumania, 11-12 November 2011:** eseia business meeting back to back with the 3rd Conference on Sustainable Energy 2011 organised by the Transilvanian University of Brasov
- December **Brussels, Belgium, 7-8 December 2011:** eseia business meeting back to back with eseia Fireside Chat on "Polish Sustainable Energy Policy" organised by the eseia Secretariat (POLISH EC PRESIDENCY)

Events run by eseia members

- June **Leiria, Portugal, 30 June-1 July 2011:** "Sustainable Intelligent Manufacturing Conference" run by the Polytechnic Institute of Leiria
- July **Graz, Austria, 04-08 July 2011:** STYRIAN ACADEMY for Sustainable Energies on "Efficient Energy Storage and Smart Grids", International Summer School and Business Training Seminar organised by TU Graz celebrating 200 years' anniversary

- August **Hamburg, Germany 24-25 August 2011:** German-Speaking Symposium on "City of the Future – efficient material and energetic use of bioresources" initiated by Ina Körner (TUHH)
For further information please contact Ina Körner (i.koerner@tuhh.de)
- October **Twente, Netherlands, 19-21 October 2011:** IGS Conference on Resilient Societies - Governing Risk and Vulnerability for Water, Energy and Climate Change organized by University of Twente
- November **Braşov, Rumania, 10-12 November 2011:** 3rd Conference on Sustainable Energy 2011 organised by the Transilvanian University of Brasov

Selection of events of potential interest to eseia members

- April **Dalian, China 25-30 April, 2011:** 1st Annual World Congress of Bioenergy-2011 (WCBE-2011), (10 Nobel Prize Laureates have confirmed until now, keynote speeches on April 25th)
Recommended by Ina Körner
- May **Hamburg, Germany 3-4 May 2011:** "BUNDESAIgenworkshop"; eseia members working with micro algae in the biotechnological field are invited to participate in this German-speaking workshop.
Recommended by Ina Körner
- June **Vienna, Austria 29 June-1 July, 2011:** IEEE Forum on Integrated and Sustainable Transportation Systems (FISTS)
Recommended by Josef Furlinger

5. European Policy News

In this section we provide a selection of relevant EU policy papers for your convenience.

Green Paper - From Challenges to Opportunities: Towards a Common Strategic Framework for EU Research and Innovation funding: The green paper proposes major changes to EU research and innovation funding and interested eseia members are encouraged to contribute their views by Friday, 20 May 2011 to the public consultation of the European Commission.

[Link](#)

Data Base on Energy Saving Potentials: The website provides key data on potentials, indicators and drivers (technological, socio-economic) for each EU Member State (and Croatia, Norway, Iceland, Liechtenstein). For more information, please visit the website

[Link](#)

A roadmap for moving to a low carbon economy in 2050: New EU-guideline concerning energy efficiency is released. The roadmap document, dated 9 February 2011, sets targets for emissions reductions in 2020 (25%), 2030 (40%), 2040 (60%) and 2050 (80-95%). The EU 'low-carbon roadmap' aims for 25% cuts by 2020. The Commission invites the other European institutions, Member States and stakeholders to take this roadmap into account in the further development of EU and national policies for achieving the low-carbon economy by 2050.

[Link](#)



Contact

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eseia USP

1. eseia offers a **one-stop-shop** supporting European regions on their way to reaching their energy strategies for 2050.
2. eseia knowledge pool unites all sectors of the knowledge triangle **“training-research-innovation”** spanning renewable energies all the way from resources to consumption.
3. eseia providing **multidisciplinary innovation teams** that can deal with the most complex sustainable innovation challenges of our society.
4. eseia has a **dedicated service team** providing members with project co-ordination, funding access, networks of contacts, co-operation and co-ordination infrastructure, innovation and commercialisation support, and much more

eseia Homepage

More information about eseia's members and activities can be found on our website
www.eseia.eu

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