



EERA
European Energy Research Alliance



The European Energy Research Alliance

www.eera-set.eu

Figure of the month

2700

Full Time Equivalentents are involved in EERA JPs in November, 2012.

Content:

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Welcome of EERA new chairperson and deputy

At the EERA Executive meeting in Brussels on November 5th, the Executive Committee had the opportunity to thank Henrik Bindslev (DTU) for his important contribution to EERA during these two past years as EERA Chairperson. EERA wishes Henrik all the best and congratulates him on his new position as Director for Fusion for Energy. The New EERA chairperson is the CEO & President of Technical Research Centre of Finland VTT, Erkki Leppävuori. Erkki will be joined by newly appointed EERA deputy chairperson Hans-Ulrich Wagner (DLR, Germany).

A way to perform EERA: IRP in WP2013

The FP7 2013 Workprogramme on Energy launched a call named Integrated Research Programme (IRP) on six renewable energy technologies: wind energy, photovoltaic, concentrated solar power (CSP), smart grids, bioenergy and electrochemical storage (there was also a dedicated call for proposals to support the Joint Program on nuclear material, within the EURATOM program, with the aim of to better linking this JP with national research programmes).

The IRP calls combine two instruments from FP7, the CSA aiming at support for networking and the CP for research activities.

EERA JPs are currently working on one proposal per technology area to answer this call. The 6 domains are competing against each other as the overall funding budget is limited. The deadline is January, 8th 2013.

A similar call was launched in the Euratom programme for which the EERA JP Nuclear for Materials submitted a proposal on time.



**EERA Deliverables:
CCS delivered its
first report
Read more on
www.eera-ccs.eu**

EERA: contribution to Horizon 2020

A key principle of Horizon 2020 is partnering with European stakeholders to share resources and implement jointly:

- Recognition of the EERA : *"Consideration will be given to provide support, including with Member States, to alliances of public research performers, in particular, the EERA established under the SET Plan to pool public research resources and infrastructures to address critical research areas of European interest" Horizon 2020.*

EERA Annual Congress 2013

The EERA Annual Congress will take place on April 18th and 19th 2013 at the Renaissance Hotel in Brussels. The 3rd EERA Annual Congress will bring together key stakeholders in the field of energy research to present the progress in EERA and discuss the challenges and opportunities in energy research and policy. The congress is open to all EERA Members and external stakeholders, representatives from ministries, funding agencies, the European Commission, industry, scientific institutes and universities as well as politicians (national and European) with an interest in energy research.

EERA is committed to share and discuss best practice on delivering results through public research partnerships. This year we will again present the findings of the reviews of four of the EERA Joint Programs and invite participants for an open discussion of the results of this process.

Round Table discussions will bring together national and European decision-makers and other stakeholders. The discussions will address the efficient collaboration between EERA and the industry initiative and the important role of research infrastructures in advancing European energy research.

EERA new JP:

In 2013 EERA foresees to launch two new Joint Programmes.

The first will be a joint programme on Economic, environmental and social impacts of energy policies and technologies evaluated from a life cycle perspective. This Joint Programme is expected to receive final approval by the EERA ExCo on April 17th 2013.

The second potential new Joint Programme is on shale gas. An outline of the proposed Joint Programme is currently under development and will be presented to the ExCo at the next meeting. The ExCo's decision on this programme will depend on the description of work and an assessment of whether or not the Joint Programme is in line with the European Commission's energy strategy.

EERA to be reviewed:

As part of the SET-plan mid-term review, the European Commission has decided to review the components of the SET-plan, including EERA. The review will be carried out by the Joint Research Centre (JRC) in Petten and the results will be presented during the SET-Plan conference on May 7th and 8th 2013 in Dublin.

JP Implementation

1. JPs' governance changes

In 2012 three EERA Joint Programmes have had new coordinators.

JP Photovoltaic

After more than two years as coordinator of EERA JP Solar PV, Paul Wyers (ECN, Netherlands) stepped down as coordinator. Paul was replaced by Philippe Malbranche (CEA, France) after unanimous approval by the EERA ExCo. Paul congratulated Philippe to his election and wishes him lots of success in his new function.

JP CSP

Called at other duties, Diego Martinez- Plaza (Ciemat, Spain) left the coordinator seat of EERA JP CCS to his colleague Julian Blanco (Ciemat, Spain). Julian Blanco was approved unanimously by the ExCo on November 5th 2012.

JP CCS

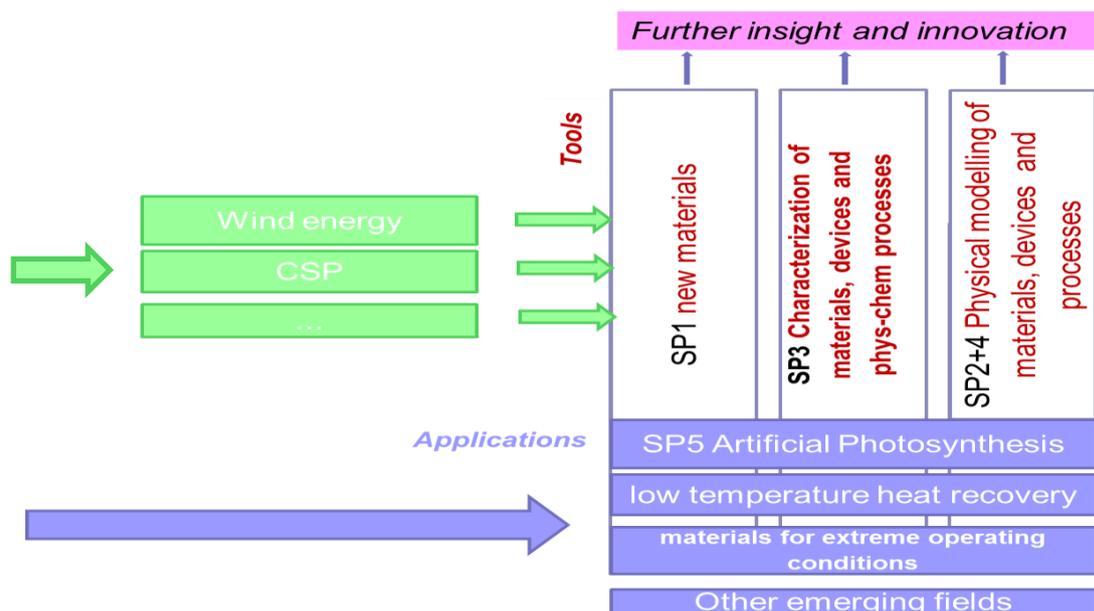
Since 2010, Andreas Ehinger (IFPEN, France) has coordinated the EERA JP CCS. Moving to a new position, Andreas has called for replacement by end of 2012. The new coordinator is Nils Rokke (SINTEF) who will be officially confirmed by the ExCo during the next meeting on April 17th 2013. This has also been an opportunity to change the composition of the JPs Management board.

EERA would like to thank Andreas, Paul and Diego for their contribution to the alliance.

2. JPs' structure changes

- **JP AMPEA:**

Pushed by a strong commitment of the Artificial Photosynthesis community EERA JP AMPEA changed its structure in order to fit better with the needs of research community and EERA. The new organisation of AMPEA is showed here:



Joint Programmes to be reviewed

For this year EERA Annual Congress, the following 4 EERA Joint Programmes will be reviewed:

1. Solar Photovoltaic (Solar PV)

Participants: 40 institutes and universities from 12 countries
Resources: 140 person year per years
Coordinator: Philippe Malbranche

Sub-programmes:

1. Silicon Materials
2. Thin-Film Photovoltaics
3. Organic Photovoltaics
4. Module technology
5. Education and training and use of infrastructures.

EERA JP PV is currently working on a proposal for the Integrated Research Programme call from the European Commission. In order to align the joint programme and the call requirement the joint programme must add one sub-programme on silicon solar cells.

The aim for the next two year is to reinforce the link, already existing, with EPIA and to create one with the KIC Innoenergy.

For further information please contact Candice Boudet (candice.boudet@cea.fr)

2. Geothermal energy

Participants: 25 organisations from 11 countries
Resources: 354 person year per years
Coordinator: Ernst Huenges

Sub-programmes:

1. Resource Assessment
2. Accessing and Engineering of the Reservoir
3. Process Engineering and Design of power systems
4. Operation and Management of Geothermal Systems
5. Sustainability, Environment and Regulatory Framework

Events:

- The 3rd European Geothermal PhD day was organised and hosted by the Scuola Superiore di Sant' Anna in Pisa/Italy, 29th-30th of March 2012. The event was well-received by the 65 participants from all over Europe. The next PhD day will be in Szeged/Hungary in May 2013.
- A workshop on the general topic of sub-programme 5 *Sustainability, Environment and Regulatory Framework* was organised together with EERA-JPCCS, Pisa/Italy, 28th of March 2012. Workshop attendance was open to the PhD students attending the European PhD Day one day later
- .On the 15th of November a workshop on “Future Utilization of Geothermal Energy in Urban Areas“ was organised in Brussels. The workshop was attended by more than 60 participants from national funding agencies, programme managers, EU officials, industry representatives and by several members of the EERA JPGE institutions. Contributions included a keynote address by the EU commissioner for Energy, Günther Oettinger, who emphasized the interest of the European Commission in a growing role of geothermal energy provision.
- The SC meeting for 2012 was postponed to January 2013.

FP7 Call ENERGY-2013-1

EERA JPGE participants responded actively to the call in Energy.2.4: Geothermal, with the Topic *ENERGY.2013.2.4.1: Exploration and assessment of geothermal reservoirs*. As this was the only geothermal topic for a collaborative project and the overwhelming interest in being part of a joint project could not be satisfied by a single proposal, it was decided that several proposals from EERA JPGE participants will be submitted.

For further information please contact Holger Ihssen (Holger.Ihssen@Helmholtz.de)

3. Wind energy

Participants:	27 organisations from 11 countries
Resources:	190 person year per years
Coordinator:	Peter Hauge Madsen, DTU Wind Energy

Sub-programmes:

1. Wind Conditions
2. Aerodynamics
3. Structures and Materials
4. Wind Integration
5. Offshore Wind Energy
6. Research Facilities

EERA JP Wind is currently working on a proposal for the Integrated Research Programme call from the European Commission. This will further enlarge the portfolio of FP7 projects which partners from JP Wind collaborate on. As a step to further develop the Joint Programme, JP Wind is currently also in the process of developing a new strategy for 2014-2020.

For further information please contact Mattias Andersson (matan@dtu.dk)

4. Smart Cities

Participants:	60 organisations from 14 countries
Resources:	Around 193 person year per years
Coordinator:	Brigitte Bach, AIT – Austrian Institute of Technology

Sub-programmes:

1. Energy in cities
2. Urban energy networks
3. Energy-efficient interactive buildings
4. Urban city related supply technologies

EERA JP Smart Cities is currently updating its own Description of Work for the next 3 years activities. Main changes will concern Sub Programme 4 (Urban city-related supply technologies), by integrating the new topic "City-Industry interaction". A taskforce on Simulation Platform Development has been recently established and its activities are transversal to the 4 Sub Programmes.

The concerned JP has been involved by the European Commission as key partner in the EU-China dialogue on urbanization and innovation.

For further information please contact Massimo Busuoli (massimo.busuoli@enea.it) and Salvatore Amico Roxas (salvatore.amicoroxas@enea.it).