



Brussels, 27 December 2012

## **10<sup>th</sup> SEII Team Meeting**

**Monday 19 November 2012**

**Venue: Committee of the Regions, Meeting Room VMA2-1 - Rue Van Maerlant 2,  
Brussels**

### **Draft summary of the discussion and action items**

#### **1. Introduction of the meeting**

The meeting was chaired by Maria Getsiou (European Commission) and by Bruno Schmitz (European Commission).

The minutes of the Ninth Team Meeting and the agenda were adopted.

Mr Jesús Alonso Reviejo, Mr Fabrice Stassin and Mr Ioannis-Thomas Theologitis were welcomed as new members of the SEII team representing the PV sector (they replace Mr Peter Rigby, Mr Stephan Wieder and Ms Eleni Despotou).

Mr Philippe Malbranche was welcomed as new member of the SEII team representing EERA-PV (he replaces Mr Paul Wyers).

[Note: after the meeting the EC was informed that Mr Stefan Eckhoff would leave ESTELA and would not be a member of the SEII Team anymore]

#### **2. Status of the PV Industry and update of the PV Implementation Plan**

Presentations were given by Wim Sinke of the PV Technology Platform and by Alexandre Roesch of EPIA (please refer to the presentations in Annex 1 and Annex 2 for details). The main statements were as follows:

- The PV installed capacity in the European Union (EU) is expected to reach the value of 72 GW at the end of 2012. This value is already close to the total value which can be calculated for the PV technology from the National Renewable Energy Action Plans.
- The turnover of the European PV market in 2011 was 58 billion EUR and a relevant share of this value was related to European activities. In particular, 9 billion EUR concerned European PV module manufacturing, 3 billion EUR concerned European inverter manufacturing, 5 billion EUR concerned European

Balance of System components and 15 billion EUR concerned European installation services.

- By 2030 PV could cover up to 15% of the total energy needs of the EU. If PV and wind are considered, the penetration of variable renewable energy sources could be up to 45%. Grid monitoring and self-regulated distribution transformers can play a key role for PV grid integration. It is advisable to install PV capacity in several locations in Europe (also those where irradiation conditions are not optimal) instead of installing PV capacity only where the irradiation is optimal and then transferring the electricity.
- As the competitiveness of PV increases, it will be feasible to increase the storage capacity linked to this technology. EPIA foresees a value of 10 €/cent/kWh as the target for the storage cost of PV.
- Nearly 80% of the resources dedicated to the activities of the first Implementation Plan have been utilised for the work concerned with cost reduction. The second Implementation Plan will contain three pillars: Pillar A (performance enhancement and energy cost reduction), Pillar B (quality assurance, long term reliability and sustainability) and Pillar C (electricity system integration).

### **3. Status of the CSP Industry and update of the CSP Implementation Plan**

A presentation was given by Mariángels Perez Latorre of ESTELA (please refer to the presentation in Annex 3 for details).

ESTELA stated that a critical issue for the CSP technology at the moment is the fact that the Spanish government is considering the possibility of a substantial reduction of the Feed-in Tariff even with retroactive effect.

ESTELA stated that the second Implementation Plan (IP) will rely on the Strategic Research Agenda which has been defined by ESTELA's Scientific and Technical Committee. In particular, the second IP will focus on issues (e.g., mirrors) which are cross-cutting across the different CSP technologies. Furthermore, the second IP will give more priority to the environmental profile.

### **4. NER300: Candidates for award decision**

The NER300 instrument aims to fund CCS demonstrations and innovative renewable energy technologies. In practice, this means technologies proven at pilot scale but not yet commercial, i.e. pre-commercial demonstration plants.

For the first NER300 call only about 1,5 billion EUR were monetised due to the fall of the CO<sub>2</sub> price (the forecast at the conception of the instrument was for 3 billion EUR).

A total of 51 renewable energy projects from the 66 submitted projects passed the technical and financial due diligence and were found eligible (innovative). Five CSP projects and two PV projects were presented as candidates and reserve projects for the award decisions.

[Note: on 18 December 2012 the European Commission awarded funding to 23 renewable energy projects. No project in the PV sector was awarded funding. Two large-scale Stirling dish power plant projects were awarded funding (HELIOS POWER in Cyprus and MAXIMUS in Greece with a maximum funding of 46,6 million EUR and 44,6 million EUR respectively). Two solar towers with superheated steam technology were awarded funding as well (MINOS in Greece and PTC50-ALVARADO in Spain with a maximum funding of 42,1 million EUR and 70,0 million EUR respectively)]

## **5. SOLAR-ERA.NET: setup, organisations and activities foreseen**

A presentation was given by Stefan Nowak who is the Coordinator of SOLAR-ERA.NET (please refer to the presentation in Annex 4 for details).

SOLAR-ERA.NET was launched on 1 November 2012. Eighteen organisations (funding bodies and research program managers) from fourteen countries participate. Portugal and Italy could not confirm their participation.

SOLAR-ERA.NET aims at triggering a total funding of 50 million EUR (the value of the activities would ultimately be 125 million EUR).

The joint calls organised by SOLAR-ERA.NET can have variable geometry. Some of the calls may involve most of the partners while other calls may involve only small groups of partners.

To identify the priorities for the first two calls a questionnaire was circulated among the SOLAR-ERA.NET partners and the results presented during the meeting. A decision on the priority topics of the first calls will be taken during the first quarter of 2013.

## **6. European Investment Bank as observer of the SEII**

Mr Andreas Heinz of the European Investment Bank (Energy Efficiency and Renewable Energy; Transport & Energy Department) has requested to participate as observer on a case by case basis in the meetings of the SEII.

The SEII Team is in favour of having the European Investment Bank as observer in the team.

In addition, ESTELA and Abengoa Solar expressed their interest in the launching of a Working Group of the SEII on financial issues.

## **7. Websites of the Industrial Initiatives**

SETIS is developing a concept for the websites of the Industrial Initiatives. A presentation was given on the draft website of the Bioenergy Initiative (please refer to the presentation in Annex 5 for details).

## **8. Follow-up actions**

- PV industry to appoint a representative in the Coordination Group of the SEII replacing Ms Eleni Despotou.

**Annexes:**

- 1. PV Implementation Plan 2013-2015 - Overview**
- 2. Status of the PV Industry**
- 3. Status of the CSP Industry and update of the CSP Implementation Plan**
- 4. SOLAR-ERA.NET**
- 5. Draft Bioenergy Initiative website**

### List of MS/Industry/EERA attendees

Surname	Name	Member State	PV Industry	CSP Industry	EERA
Bett	Andreas		PV TP		
Blaszczyk	Cezary	PL			
Bollen	Lut	BE			
Bonemazzi	Fabrizio		ENEL GREEN POWER		
Caloprisco	Pietro		EPIA		
Dauids	Martina	DE			
Dufour	Elena			ESTELA	
Eckhoff	Stefan			ESTELA	
Etchebehere	Evelyne	FR			
Fabrizi	Fabrizio	IT			
Fahringer	Fritz	AT			
Gallas Torreira	Manuel			ABENGOA	
Herrero Rueda	José	SP			
Hunnekes	Christoph	DE			
Inglis	Christian	UK			
Martens	Carolien	BE			
Malbranche	Philippe				EERA- PV
Martin Barrera	Gonzalo			ABENGOA	
Oberholzer	Stefan	CH			
Perez Latorre	Mariángels			ESTELA	
Polain	Laurence	BE			
Poza Cano	David	SP			
Roesch	Alexandre		EPIA		
Sinke	Wim		PV TP		

Surname	Name	Member State	PV Industry	CSP Industry	EERA
Stassin	Fabrice		UMICORE		
Theologitis	Ioannis-Thomas		EPIA		
Tselepis	Stathis	EL			
Vrijmoed	Suzanne	NL			
Wikman	Karin	FI			
Woyte	Achim		3E		
Yilmaz	Ilknur	TR			

#### **List of EC attendees**

Bruno Schmitz, RTD, K3
Piero De Bonis, RTD, K3
Maria Getsiou, RTD, K3
Maria Velkova, RTD, K3
Fabio Belloni, RTD, K3
Philippe Schild, RTD, K3
Pietro Menna, ENER
Vasileios Pantzalis, ENER
Nigel Taylor, JRC

#### **Also present:**

Stefan Nowak and Marcel Gutschner (SOLAR-ERA.NET)