



## **ERA-NET on Solar Electricity for the Implementation of the Solar Europe Industry Initiative**

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[www.solar-era.net](http://www.solar-era.net)

Paris, 4 octobre 2013

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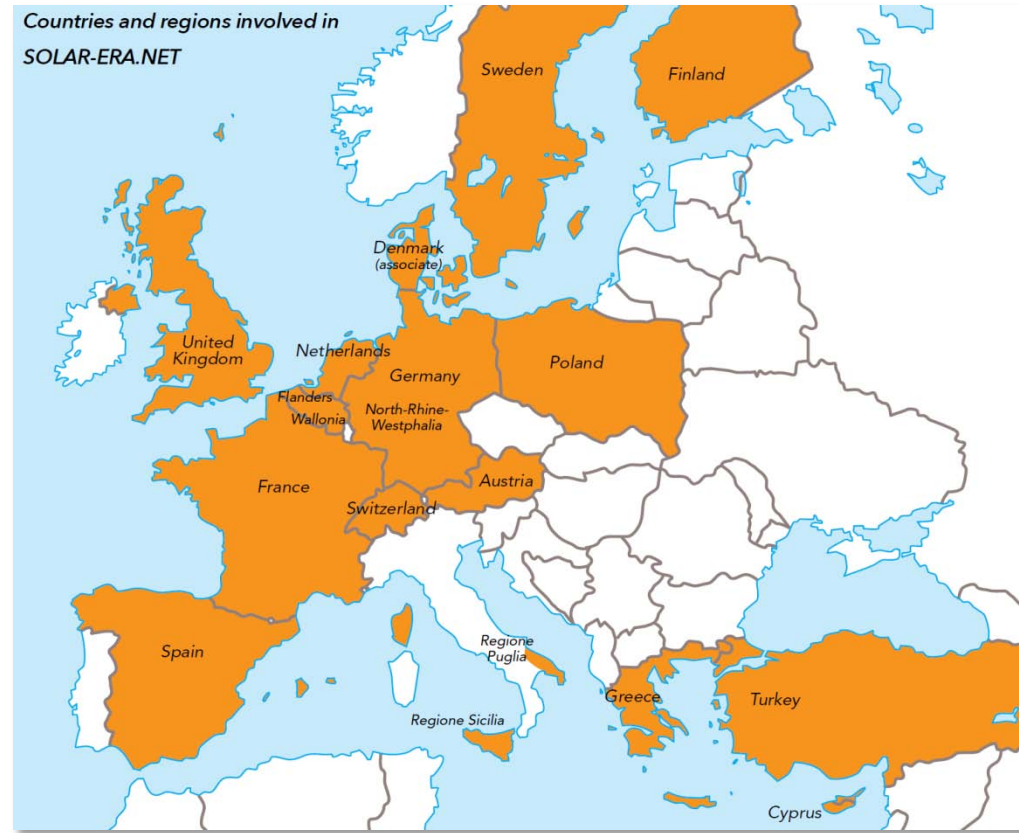
- **Who:** Network
- **What:** Objectives & Goals
- Context & Challenges
- **How:** Activities and First Results
- Conclusions

# Network

## European network bringing together ...

- 19 partners (programme owners and managers)
- 18 countries and regions
- > 20 programmes
  
- FP7 ERA-NET project
- Start November 2012
- Duration 4 years

→ Further programmes and countries interested can join in



# Objectives and Goals

- Overarching objective of SOLAR-ERA.NET is to effectively implement the Solar Europe Industry Initiative (on the transnational level)
- To launch 4 joint calls / to mobilise ...
  - ... 50 MEUR funding from national and regional programmes
  - ... 125 MEUR total funding
- To initiative / support innovative, industry-led projects
- To improve cooperation between RDI programmes
- To strengthen Europe's position in the solar sector

# Context & Challenges

## Double mission

### ERA-NET:

scheme for improving cooperation between national / regional programmes



### SEII:

European industrial initiative boosting solar power technologies

**Our ambition ...**



Our means ...



**And: we are all in one boat**



**and surrounded by rough water !**



# Context & Challenges

## „External“ context and challenges

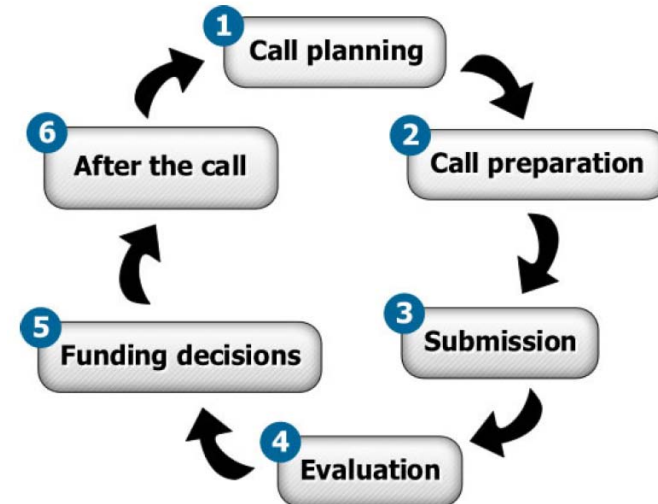
- Strategic Energy Technologies Plan (SET Plan)
- Implementation Plan for PV 2013 – 2015 (available)
- Implementation Plan for CSP 2013 – 2015 (soon)
- EC's Integrated Roadmap (planned Feb. 2014)
- Horizon 2020
- Harsh global competition, restructuring, consolidation...
- Tremendous dynamics in innovation drive and industrial development
- Time constraints

# Context & Challenges

**„Internal“ context and challenges related to joint calls with / between national programmes**

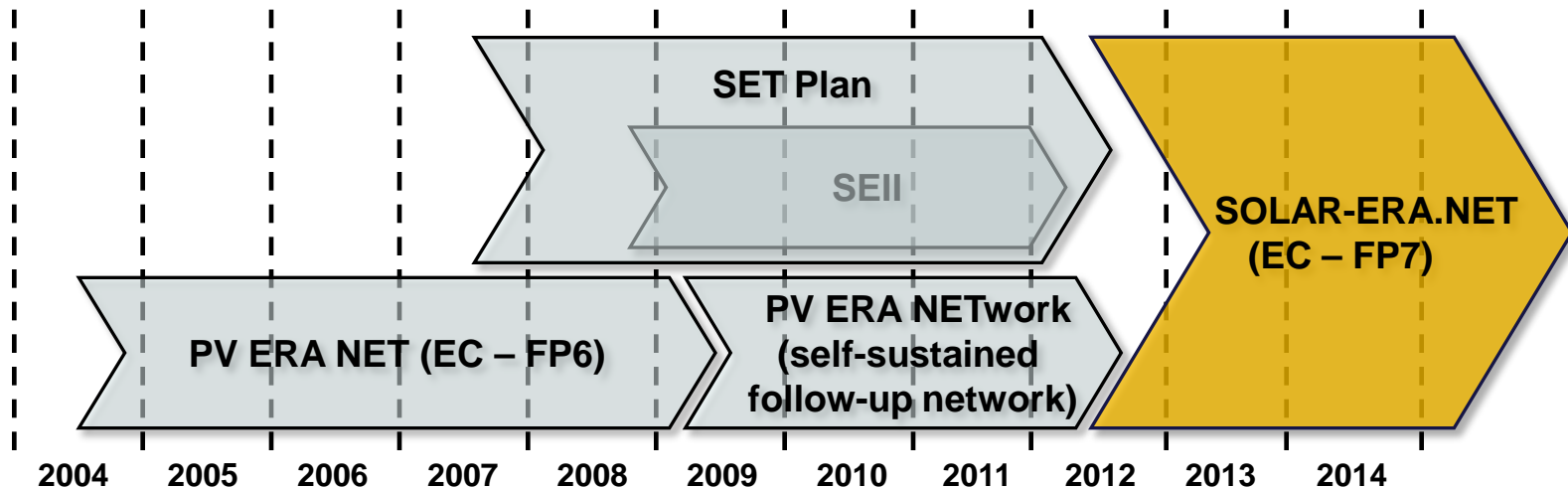
- Resources (critical mass)
- Timing (synchronisation, readiness)
- Competition and competitiveness
- Innovation potential
- Complementarity (topics)
- Subsidiarity (programme levels)
- Scope and scale (large / targeted call)

Manual for call implementation



# Context & Challenges

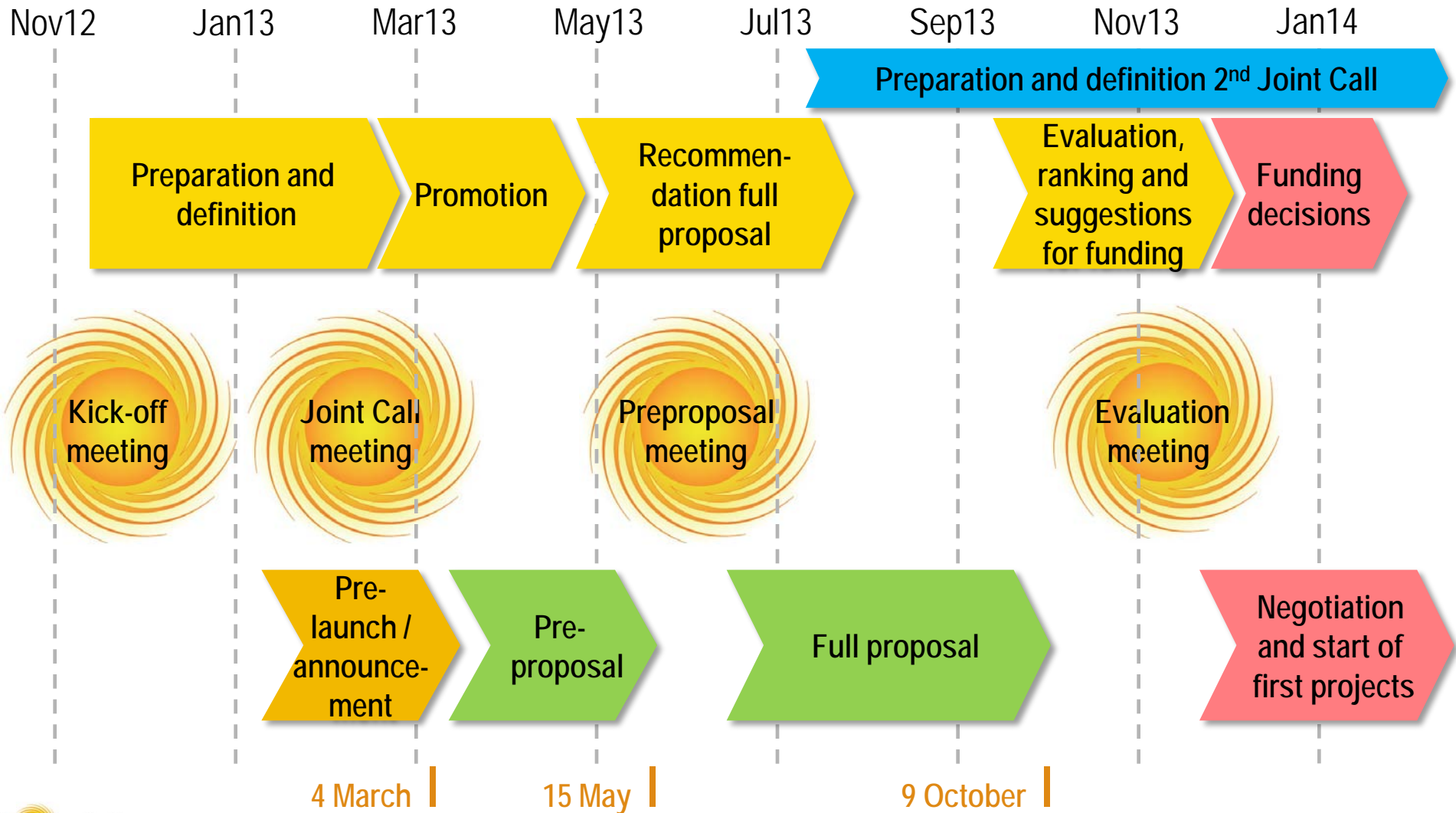
## Experience and new fields



- Operational ERA-NET experience available
- Both PV and CSP
- Focus on industry driven / relevant activities
- Larger projects
- Including demonstration activities

# Activities & First Results

## First transnational call PV1 + CSP1 – timeline & actions



# Activities & First Results

## First call, first figures

- 15 countries
- 5 PV topics and 3 CSP topics
- 60 preproposals submitted
- 257 partners involved in preproposals
- 27 preproposals recommended
- ?? Full proposals to be submitted by 9 October 2013

# Activities & First Results

## 5 PV topics and 15 countries / regions (matrix approach)

Country / Region	Organisation	Topic PV1.1 Innovative processes for inorganic thin-film cells & modules	Topic PV1.2 Dedicated modules for BIPV design and manufacturing	Topic PV1.3 Grid integration & large-scale deployment of PV	Topic PV1.4 High-efficiency PV modules based on next generation c-Si solar cells	Topic PV1.5 Solar glass and encapsulation materials
Austria	FFG	I+E	I+E	I+E	I+E	I+E
Belgium-Flanders	IWT	I	I	I	I	I
Belgium-Wallonia	SPW	I	I	I	I	I
Cyprus	RPF	I+E	I+E	I+E	I+E	I+E
Denmark	energinet.dk		I + E	I + E		
Finland	TEKES	I+E	I+E	I+E	I+E	I+E
France	ADEME	I+E+F	I+E+F		I+E+F	
Germany	PtJ	I+E	I+E	I+E	I+E	I+E
Netherlands, the*	NL Agency	I+E (+F)	I+E (+F)	I+E (+F)	I+E (+F)	I+E (+F)
Poland	NCBR	I+E+F	I+E+F	I+E+F	I+E+F	I+E+F
Spain	MINECO	I+E+F	I+E+F	I+E+F	I+E+F	I+E+F
Sweden	SWEA	I+E+F	I+E+F	I+E+F	I+E+F	I+E+F
Switzerland	SFOE	I+E	I+E	I+E	I+E	I+E
Turkey	Tübitak	I+E	I+E	I+E	I+E	I+E
UK	TSB	I+E	I+E	I+E	I+E	I+E

I = Industrial / applied research, E = Experimental development / demo, F = Fundamental / basic research

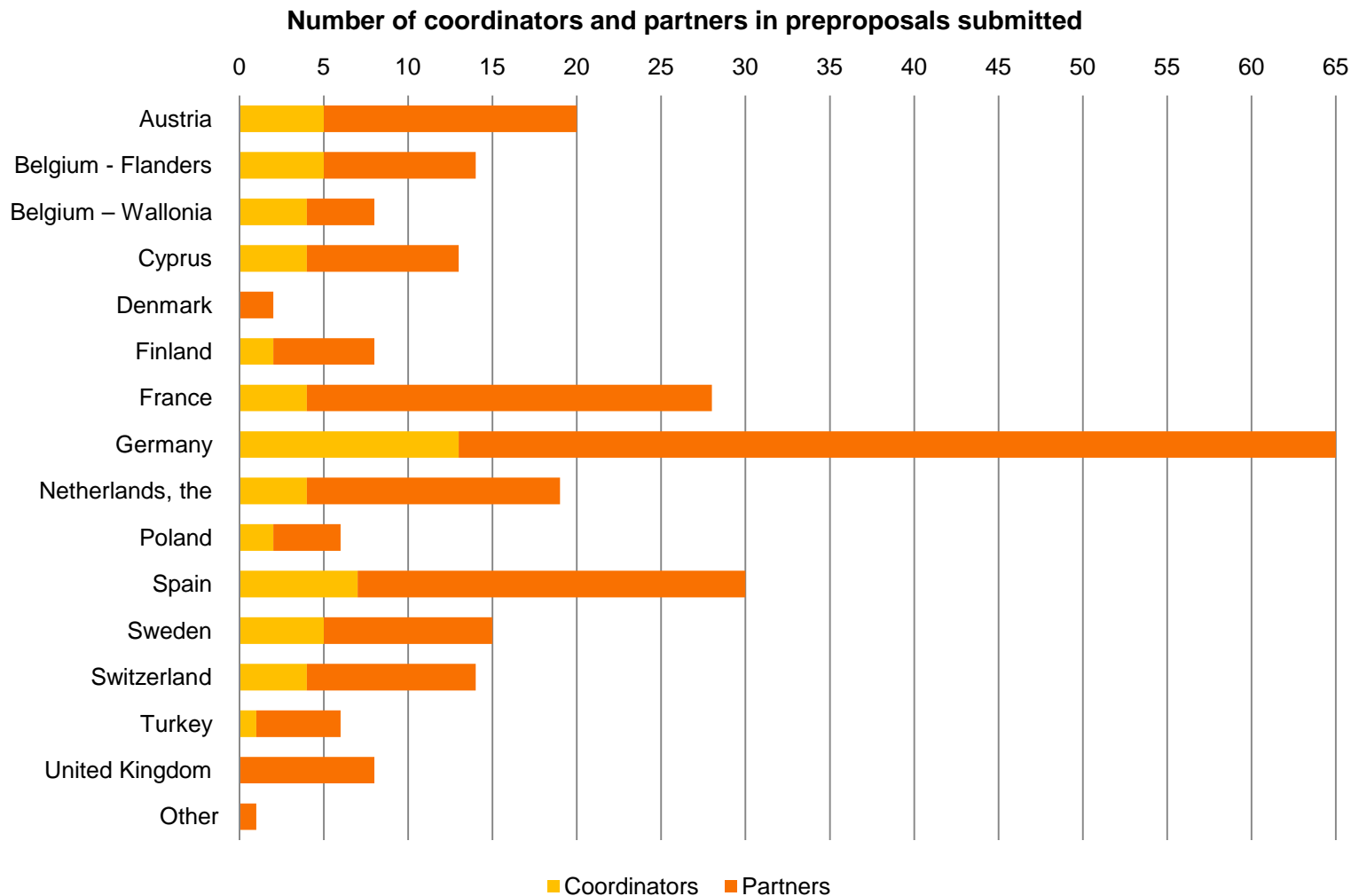
# Activities & First Results

## 60 preproposals submitted

- Total project costs: 90 MEUR
- Requested funding: 60 MEUR
- Available funding: ~ 12 MEUR
- Ratio *requested : available* from ~ 1 : 1 to 1 : 15  
(high variation between countries)

# Activities & First Results

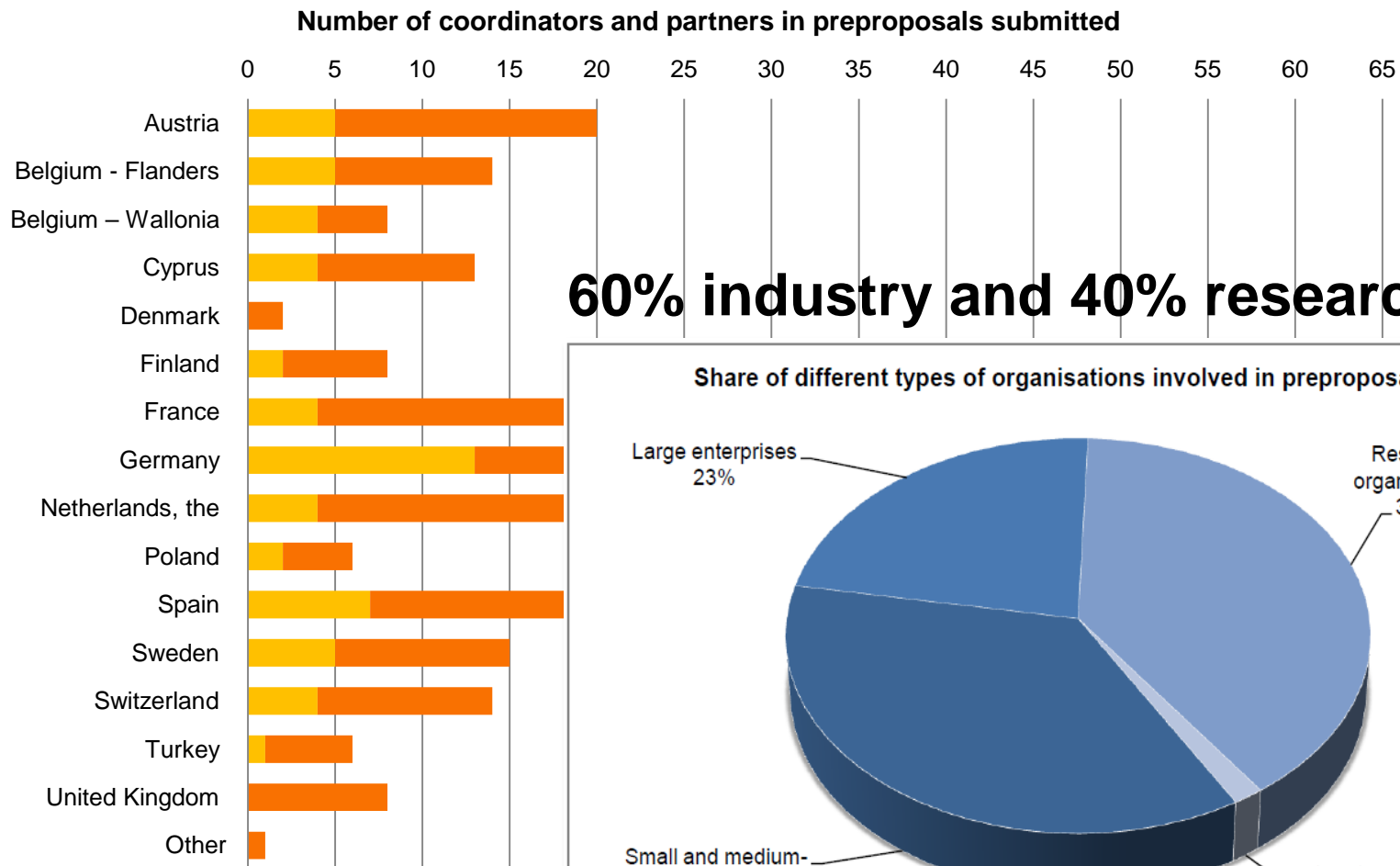
**257 partners involved**



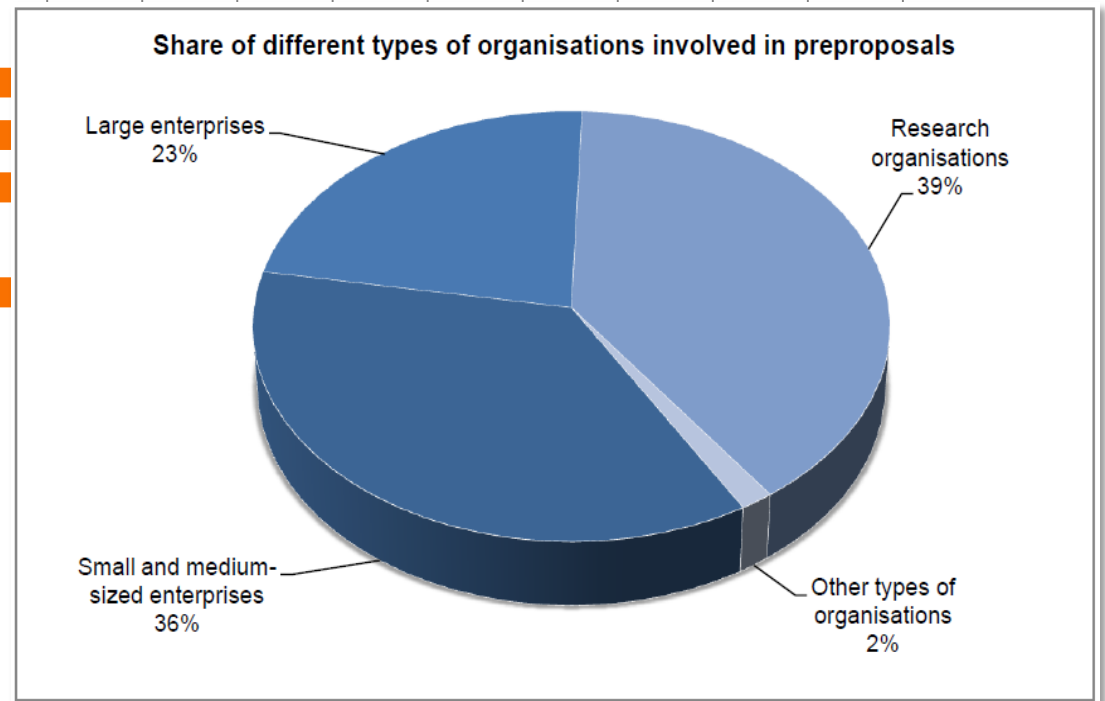


# Activities & First Results

## 257 partners involved



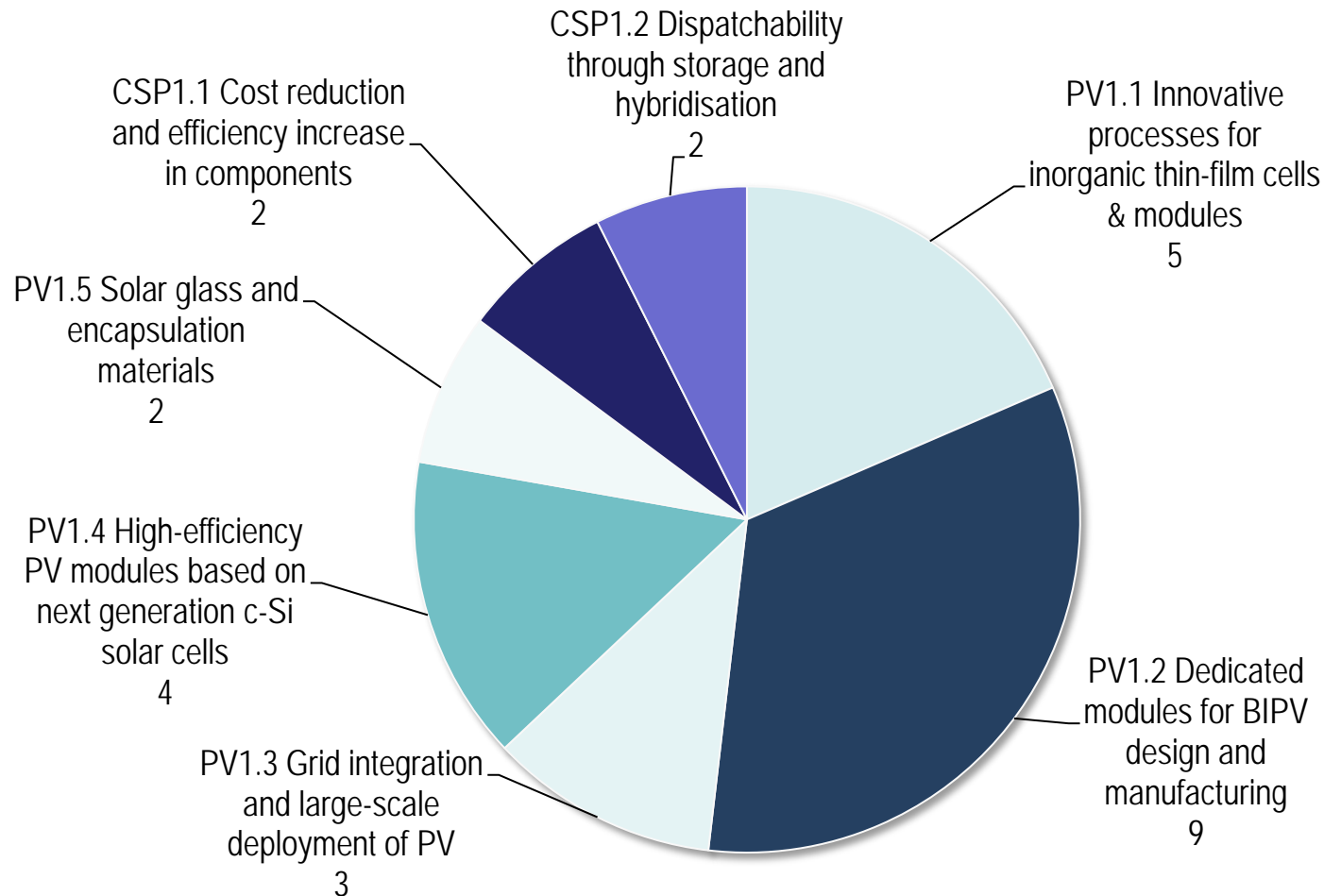
## 60% industry and 40% research



# Activities & First Results

## 27 preproposals recommended

Number of preproposals recommended per call topics



# Conclusions

## **First joint call with good results**

- Network of relevant funding agencies throughout Europe
- Fast and effective launch of first joint call
- „Greatest“ transnational call / funding budget ever
- Good / very good interest and participation in first joint call
- Relatively smooth and efficient procedure
- Innovative projects and strong partnerships

# Conclusions

## **First joint call with good experience for second joint call**

- Extension to further countries and organisations welcome
- More time and match-making foreseen for consortia building in preproposal phase
- Increase of participation of countries and creation of strong and innovative consortia

Provide for

- new industry-led innovation opportunities with
- a transnational procedure as smooth as possible on transnational level

# Conclusions

## Second joint call – preliminary timeline

- Pre-announcement in December 2013
- Launch in January 2014
- Preproposal by end of April / early May 2014
- Full proposal by early September 2014
- Start of projects end 2014 / early 2015

→ Further information soon on [solar-era.net](http://solar-era.net)

# With many thanks to ...

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A blue racing yacht with the number 18 and a Rolex logo is shown in action on the water. The crew members are wearing red jackets and are actively managing the sails. The yacht is leaning to the right, and the water is splashing around the hull. The background shows other yachts and a clear sky.

**Thank you for your attention!**

**[www.solar-era.net](http://www.solar-era.net)**