



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

Stefan Nowak & Marcel Gutschner  
NET Nowak Energy & Technology Ltd  
Swiss PV Programme (SFOE)  
Coordinator SOLAR-ERA.NET  
[stefan.nowak@netenergy.ch](mailto:stefan.nowak@netenergy.ch)  
[www.solar-era.net](http://www.solar-era.net)

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# Network

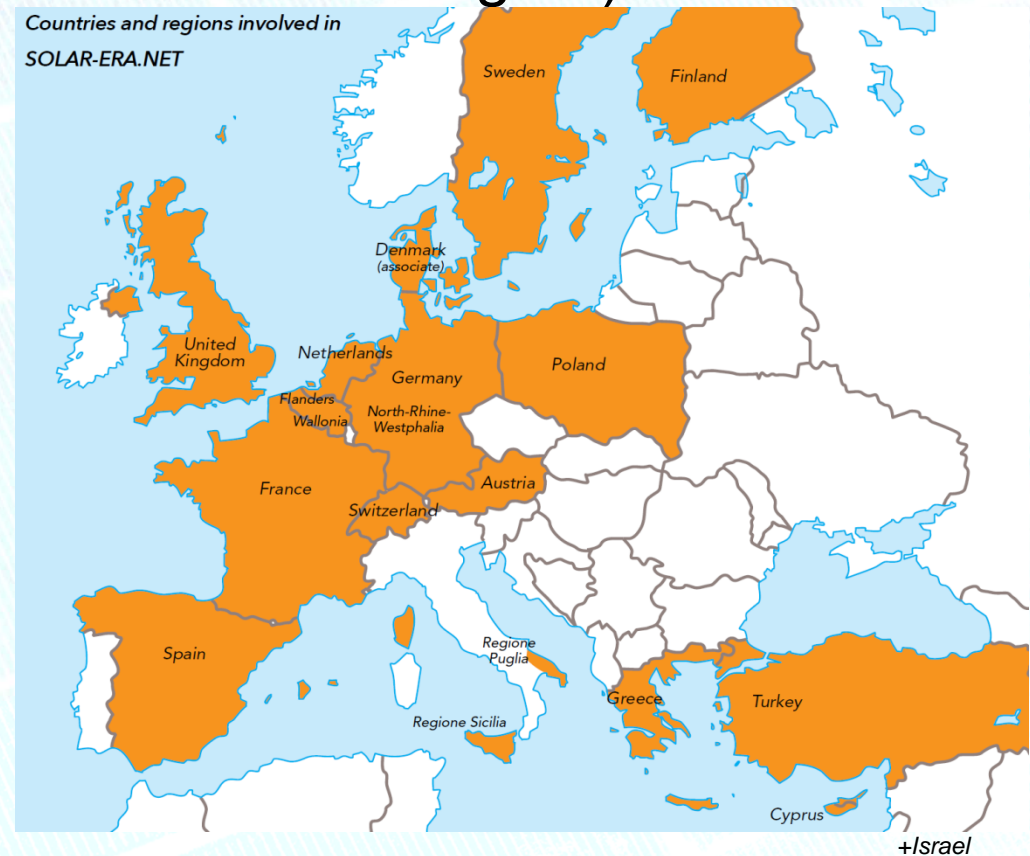


## European network bringing together ...

- 19 partners (programme owners and managers)
- 19 countries and regions
- > 20 programmes

- FP7 ERA-NET project
- Start November 2012
- Duration 4 years

→ Further programmes and countries interested can join the activities



# 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

## „External“ context and challenges

- Strategic Energy Technologies Plan (SET Plan)
- Implementation Plan for PV and CSP 2013 – 2015
- Horizon 2020
- Harsh global competition, restructuring, consolidation...
- Dynamics in innovation drive and industrial development
- Time constraints
- Economic situation
- Political and administrative changes

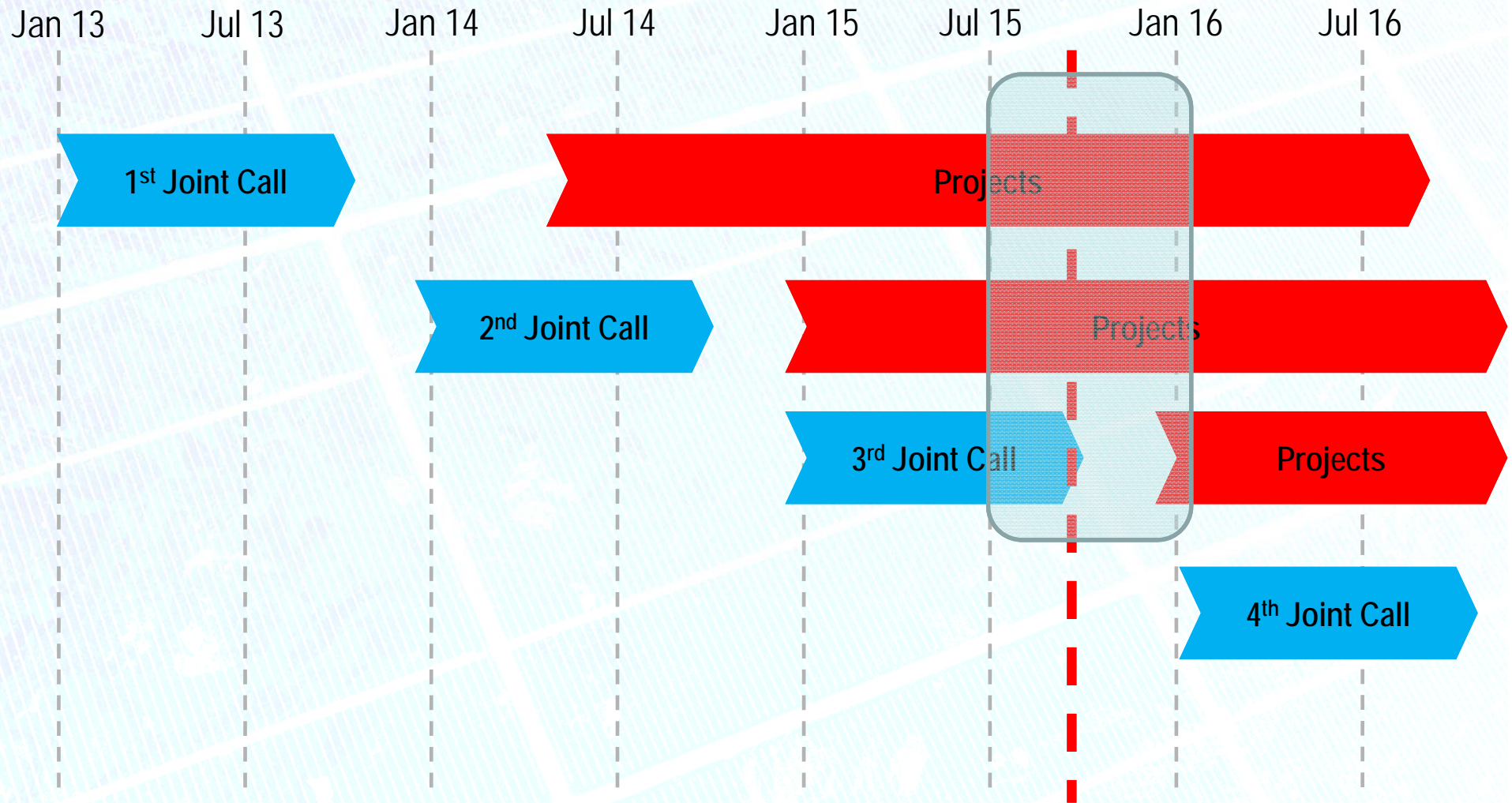
# Context & Challenges

## **„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)

# Overview

Each call: two stage process including international evaluation



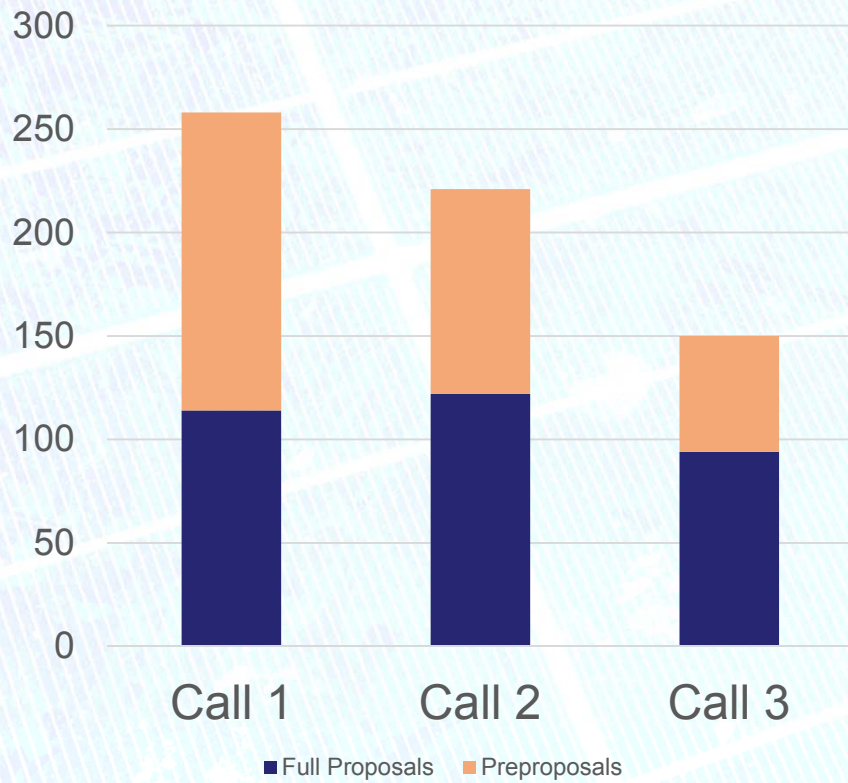
# Activities & Results

## Three joint calls

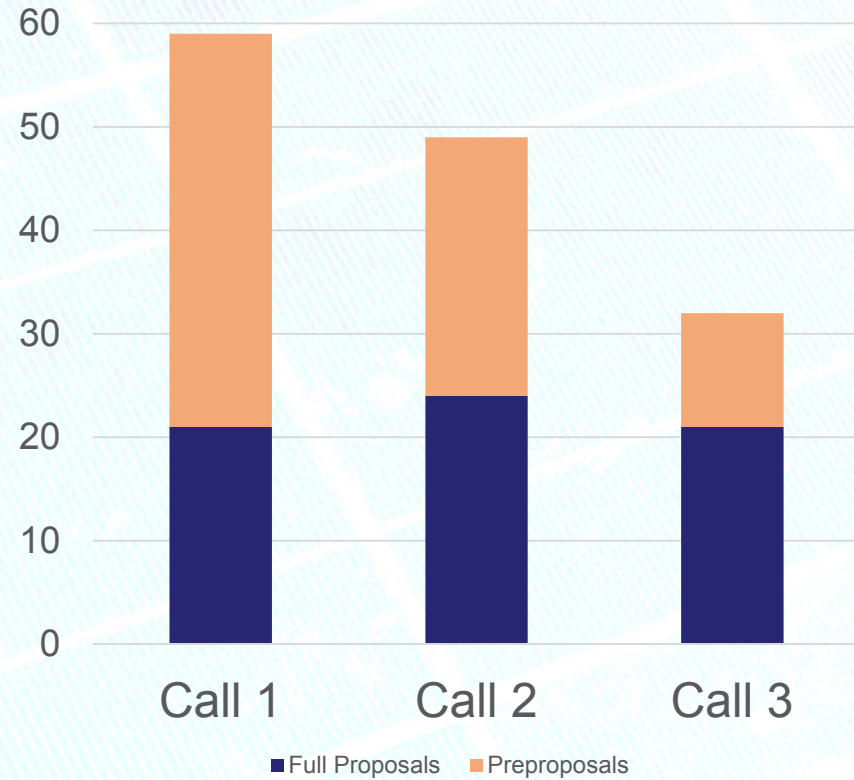
- 17 countries and regions participating in joint calls
- 8 PV topics and 4 CSP topics
- 141 preproposals submitted
- 629 partners involved in preproposals
- 66 full proposals submitted
- About half of them to be supported / funded

# Activities & Results

Number of applicants



Number of applications



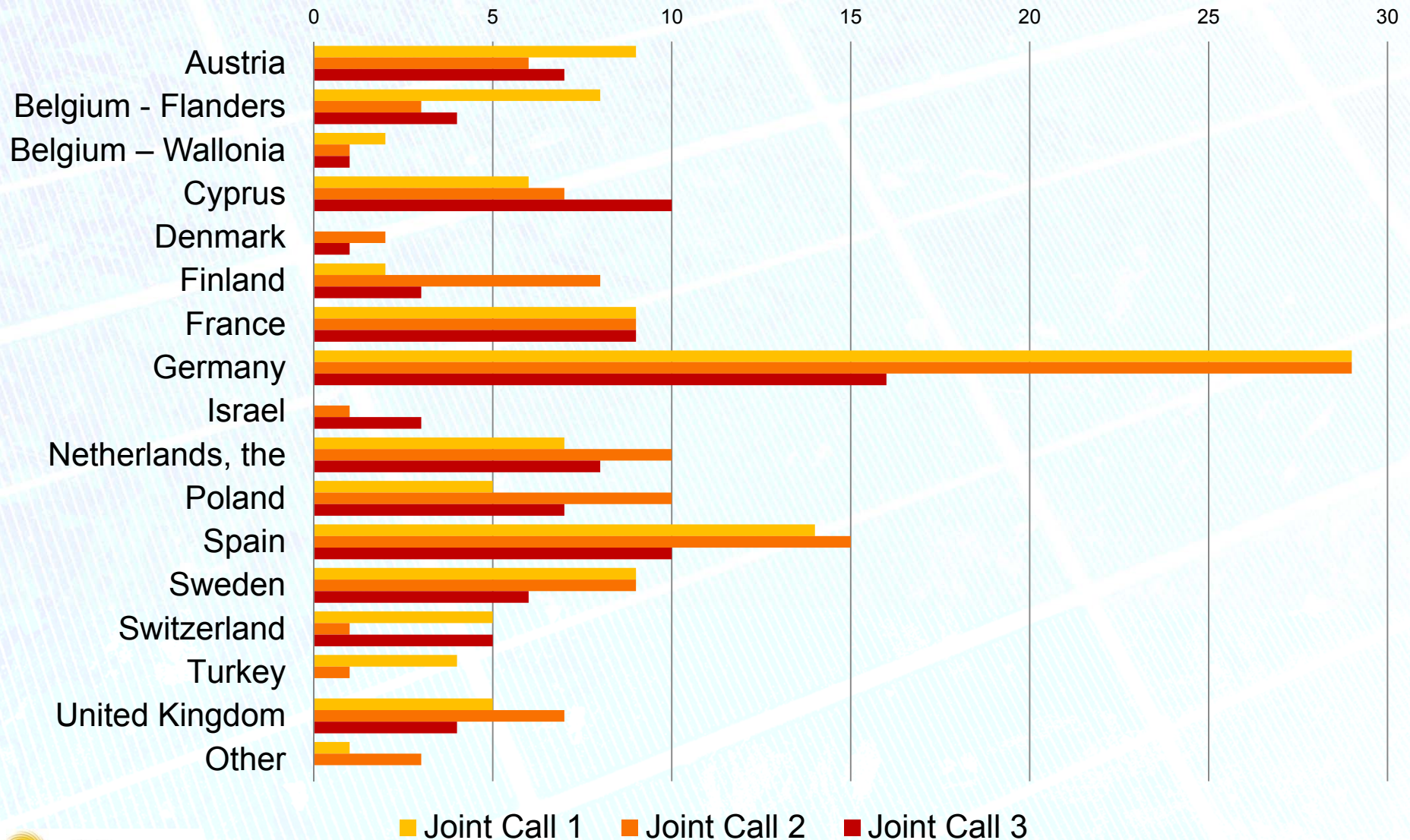
Preproposals

Full proposals



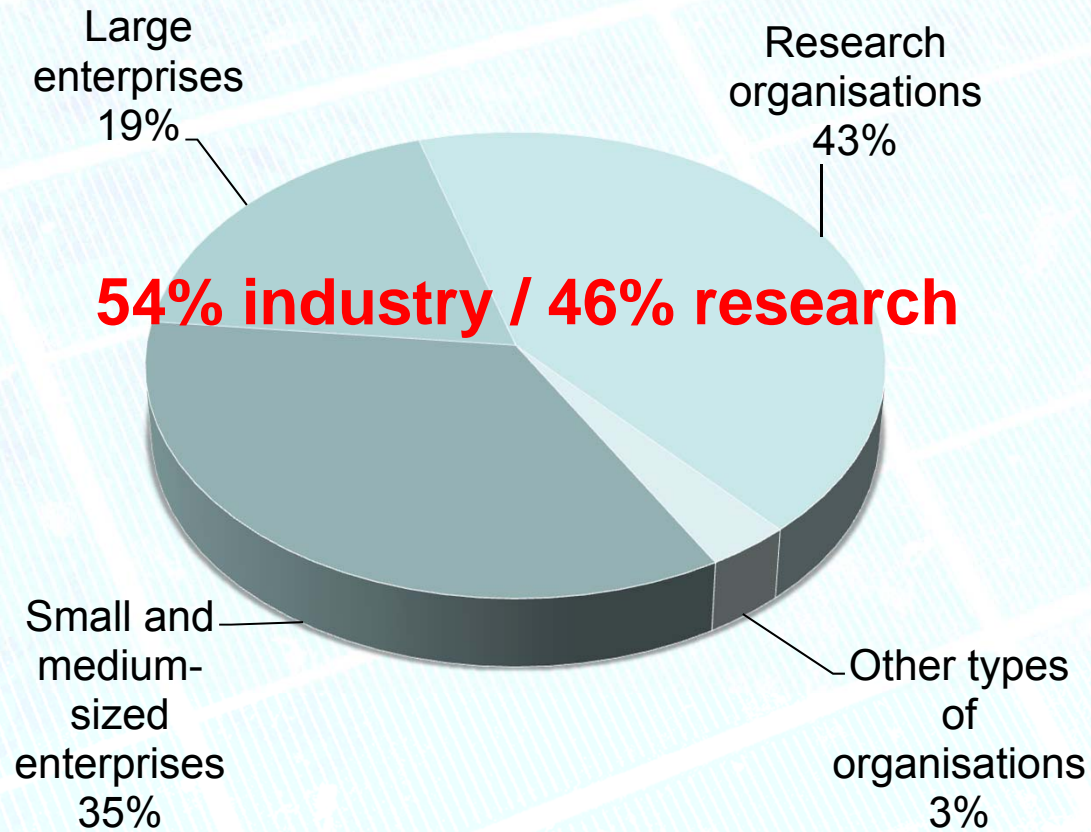
# Activities & Results

## Number of coordinators and partners in full proposals submitted



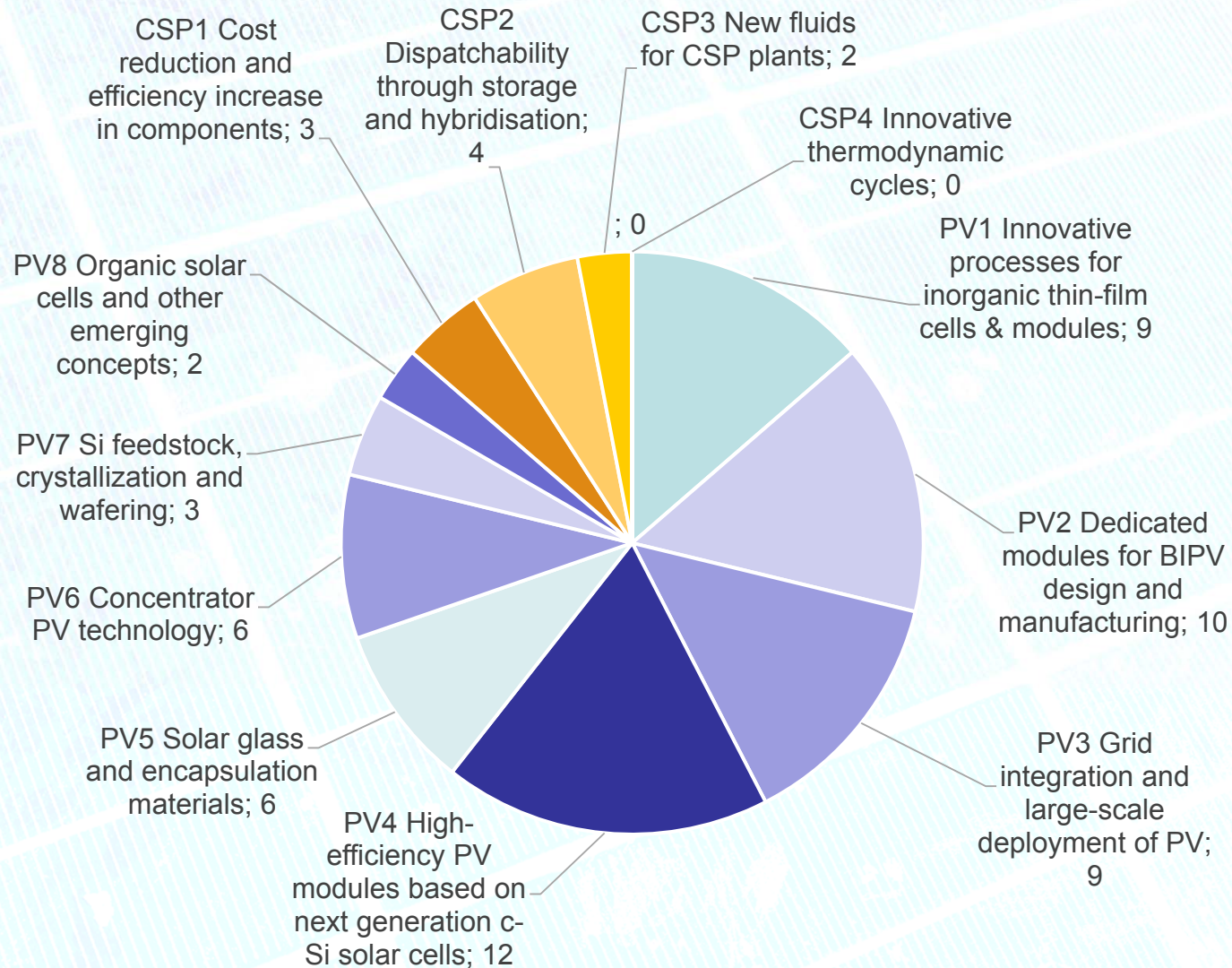
# Activities & Results

Share of different types of organisations involved in preproposals



# Activities & Results

## Number of full proposals submitted in 3 calls



# Projects Running (1st + 2nd Call)

**13 projects running** of which:

- 12 PV projects
- 1 CSP project
- Project volume approx. 16 MEUR
- Public funding approx. 10,5 MEUR

**12 projects in negotiation phase**

- 10 PV projects
- 2 CSP projects
- Project volume approx. 16 MEUR
- Public funding approx. 11 MEUR

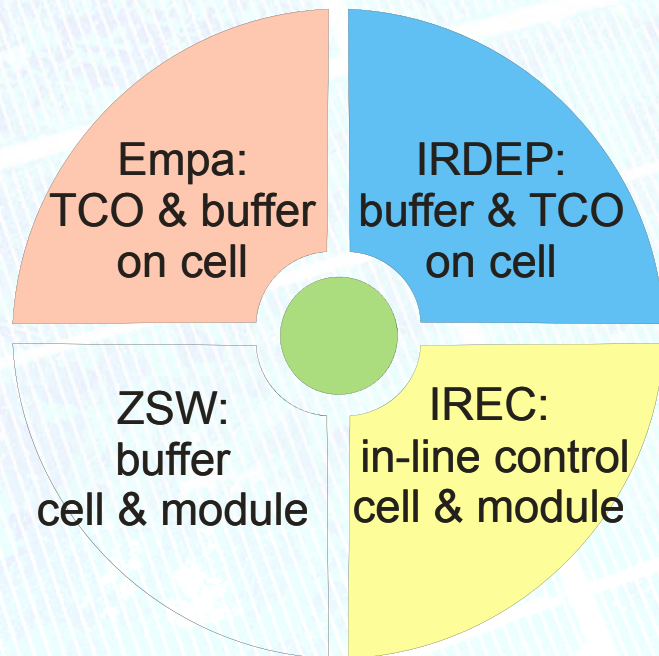
# Typical project

- 3 – 5 countries
- 3 – 6 partners
- Real transnational activity and value
- Industrial relevance
- 1 – 2 MEUR of funding
- Reasonably balanced roles

# Example

**„NovaZolar“ – All-non-vacuum processed ZnO-based buffer and window layers for CIGS solar cell technology**

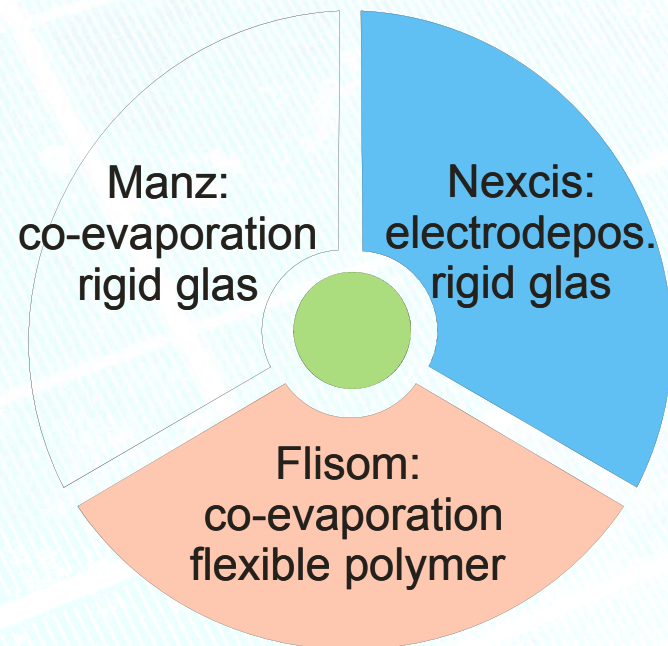
## R&D complementarity



## National subprojects:

- Switzerland
- France
- Germany
- Spain

## Industrial implementation



# Observations

## Issues for delays and stops

- Project partners delayed with submitting national applications
- Change of project partners / consortium
- Industry is struggling...
  
- Delays with “parallel” national call / budget reservation
- Shift of responsibilities from one ministry to another (elections, restructuring)
- Partial “incongruency” of available budget between countries

# Conclusions

- Network of relevant funding agencies throughout Europe
- Successful launch of joint calls
- Good / very good interest and participation in joint calls
- Innovative projects and strong partnerships
- Relatively smooth and efficient procedure on transnational level but...
- ... delays in a few but important countries impacting many projects submitted in 1st Joint Call – measures taken to improve the funding decision procedure.



# Conclusions

- Extension to further countries and organisations welcome
- Large time window for match-making foreseen for consortia building in preproposal phase
- Better guidance for participants on national level
- 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 and optimised procedures on national level

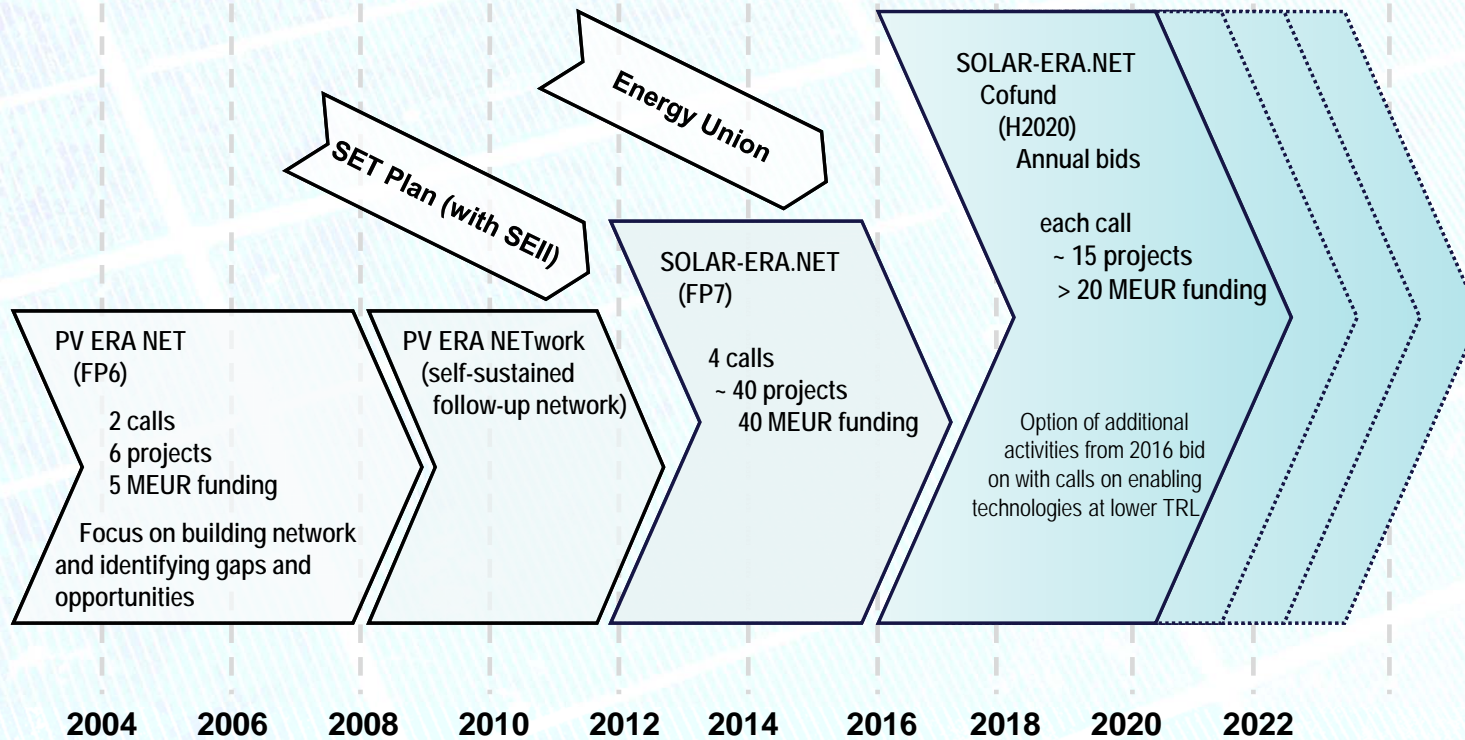
# Outlook

## 4th joint call – preliminary timeline

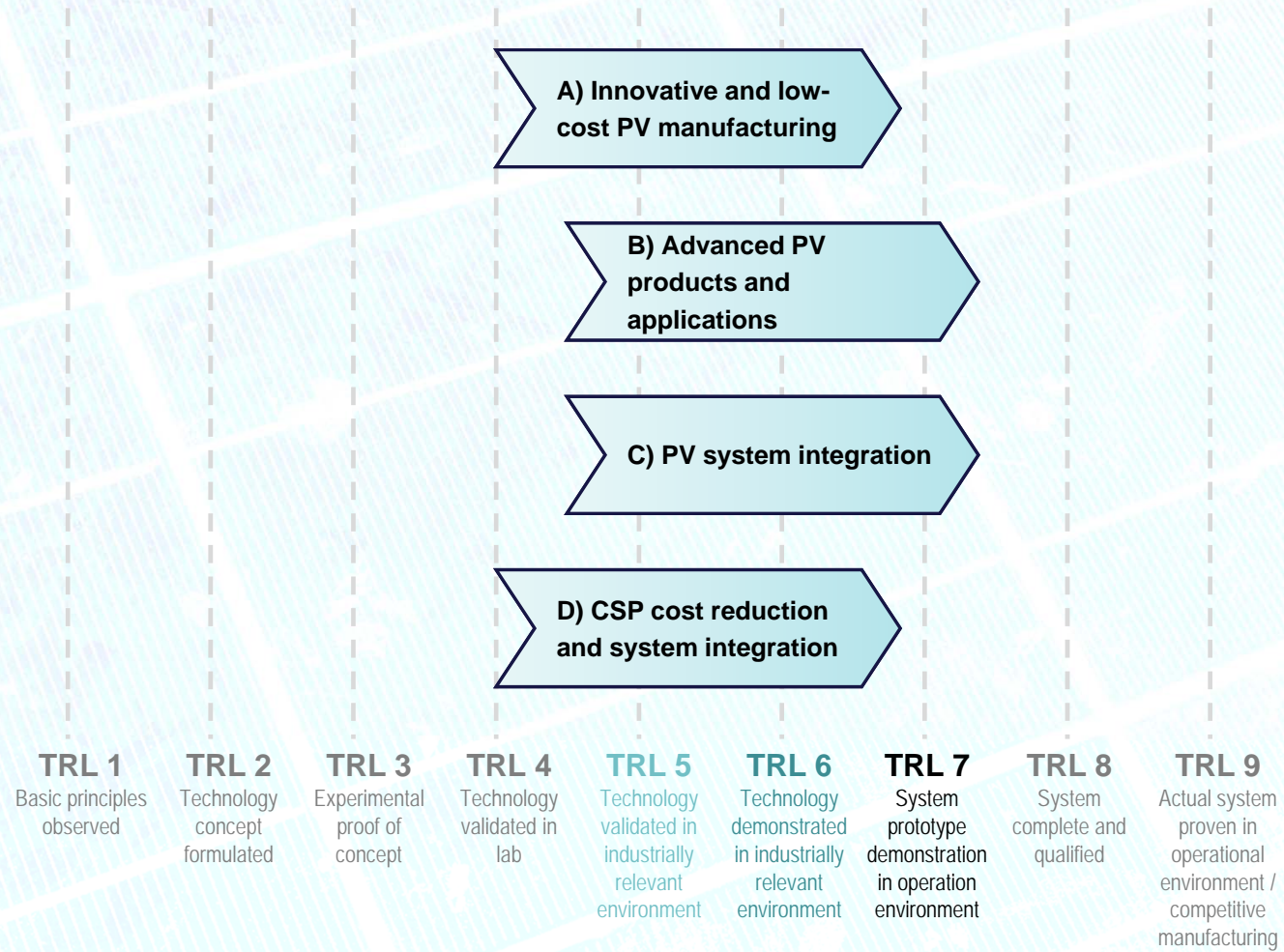
- Pre-announcement in December 2015
- Launch latest in January 2016
- Save the date: Match-making event in Germany on **24 February 2016**
- Preproposal by April 2016
- Full proposal by September 2016
- Start of projects end 2016 / early 2017

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

# Outlook – what's next



# Outlook



# With many thanks to ...

Marcel Gutschner, NET Nowak Energy & Technology, [marcel.gutschner@netenergy.ch](mailto:marcel.gutschner@netenergy.ch)

Stefan Oberholzer, Swiss Federal Office of Energy, [stefan.oberholzer@bfe.admin.ch](mailto:stefan.oberholzer@bfe.admin.ch)

Christoph Hünnekes, Forschungszentrum Jülich – PtJ, [ch.huennekes@fz-juelich.de](mailto:ch.huennekes@fz-juelich.de)

Herman Bastek, Forschungszentrum Jülich – PtJ, [h.bastek@fz-juelich.de](mailto:h.bastek@fz-juelich.de)

Martina Biedrawa, Forschungszentrum Jülich – PtJ, [m.biedrawa@fz-juelich.de](mailto:m.biedrawa@fz-juelich.de)

Dorothea Winkler - Forschungszentrum Jülich – PtJ, [d.winkler@fz-juelich.de](mailto:d.winkler@fz-juelich.de)

Melanie Schulte, Forschungszentrum Jülich – ETN, [me.schulte@fz-juelich.de](mailto:me.schulte@fz-juelich.de)

Stefan Rabe, CEF-NRW, [rabe@cef.nrw.de](mailto:rabe@cef.nrw.de)

Karin Wikman, TEKES Teknologian Ja Innovaatioiden Kehittaemiskeskus, [Karin.Wikman@tekes.fi](mailto:Karin.Wikman@tekes.fi)

Yvonnick Durand, Agence de l'Environnement et de la Maîtrise de l'Energie (ADEME), [yvonnick.durand@ademe.fr](mailto:yvonnick.durand@ademe.fr)

Manon Gerbaud, Agence de l'Environnement et de la Maîtrise de l'Energie (ADEME), [manon.gerbaud@ademe.fr](mailto:manon.gerbaud@ademe.fr)

José Herrero, Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (CIEMAT), [jose.herrero@ciemat.es](mailto:jose.herrero@ciemat.es)

Juan Francisco Trigo Escalera, Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (CIEMAT), [juanfrancisco.trigo@ciemat.es](mailto:juanfrancisco.trigo@ciemat.es)

Severino Falcon Morales, MINECO, [severino.falcon@mineco.es](mailto:severino.falcon@mineco.es)

Laurence Polain, Service Public de Wallonie (SPW), [laurence.polain@spw.wallonie.be](mailto:laurence.polain@spw.wallonie.be)

Julie Marlier, Service Public de Wallonie (SPW), [julie.marlier@spw.wallonie.be](mailto:julie.marlier@spw.wallonie.be)

Elsie De Clercq, Agentschap voor Innovatie door Wetenschap en Technologie (IWT), [edc@iwt.be](mailto:edc@iwt.be)

Sara Van Overmeire, Agentschap voor Innovatie door Wetenschap en Technologie (IWT), [svo@iwt.be](mailto:svo@iwt.be)

Anna Ostapczuk, Narodowe Centrum Badan i Rozwoju (NCBR), [anna.ostapczuk@ncbr.gov.pl](mailto:anna.ostapczuk@ncbr.gov.pl)

Małgorzata Świdarska, Narodowe Centrum Badan i Rozwoju (NCBR), [malgorzata.swiderska@ncbr.gov.pl](mailto:malgorzata.swiderska@ncbr.gov.pl)

Kaan Karaösz, Türkiye Bilimsel ve Teknolojik Arastirma Kurumu (TUBITAK), [kaan.karaoz@tubitak.gov.tr](mailto:kaan.karaoz@tubitak.gov.tr)

Ismail Dogan, Türkiye Bilimsel ve Teknolojik Arastirma Kurumu (TUBITAK), [ismail.dogan@tubitak.gov.tr](mailto:ismail.dogan@tubitak.gov.tr)

Otto Bernsen, Ministerie van Economische Zaken, Landbouw en Innovatie / RVO, [otto.bernsen@rvo.nl](mailto:otto.bernsen@rvo.nl)

Bouke Bussemaker, Ministry of Economic Affairs, [B.H.Bussemaker@minez.nl](mailto:B.H.Bussemaker@minez.nl)

Stathis Tselepis, Kentro Ananeosimon Pigon ke Exikononismis Energeias (CRES), [stselep@cres.gr](mailto:stselep@cres.gr)

Christian Inglis, Innovate UK, [Christian.Inglis@innovateuk.gov.uk](mailto:Christian.Inglis@innovateuk.gov.uk)

Graham Mobbs, Innovate UK, [graham.mobbs@innovate.gov.uk](mailto:graham.mobbs@innovate.gov.uk)

Leonidas Antoniou, Research Promotion Foundation (RPF), [lanto@research.org.cy](mailto:lanto@research.org.cy)

Demetra Petsa, Research Promotion Foundation (RPF), [dpetsa@research.org.cy](mailto:dpetsa@research.org.cy)

Adriana Agrimi, Regione Puglia, [a.agrimi@regione.puglia.it](mailto:a.agrimi@regione.puglia.it)

Dario Tornabene, Regione Sicilia, [dario.tornabene@regione.sicilia.it](mailto:dario.tornabene@regione.sicilia.it)

Fabio Montagnino, Regione Sicilia, [fmontagnino@consorzioarca.it](mailto:fmontagnino@consorzioarca.it)

Theodor Zillner, Bundesministerium für Verkehr, Innovation und Technologie (BMVIT), [theodor.zillner@bmvit.gv.at](mailto:theodor.zillner@bmvit.gv.at)

Ulrike Rohrmeister, Bundesministerium für Verkehr, Innovation und Technologie (BMVIT),

[Ulrike.Rohrmeister@bmvit.gv.at](mailto:Ulrike.Rohrmeister@bmvit.gv.at)

Elvira Lutter, Klima- und Energiefonds, [elvira.lutter@klimafonds.gv.at](mailto:elvira.lutter@klimafonds.gv.at)

Gernot Wörther, Klima- und Energiefonds, [gernot.woerther@klimafonds.gv.at](mailto:gernot.woerther@klimafonds.gv.at)

Pierre-Jean Rigole, Swedish Energy Agency, [Pierre-Jean.Rigole@energimyndigheten.se](mailto:Pierre-Jean.Rigole@energimyndigheten.se)

Tobias Walla, Swedish Energy Agency, [tobias.walla@energimyndigheten.se](mailto:tobias.walla@energimyndigheten.se)



Thank you for your attention!

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