



PV IMPACT

ACTUAL EXECUTION OF THE
IMPLEMENTATION PLAN FOR
PHOTOVOLTAICS AND MONITORING
THE IMPLEMENTATION PLAN'S
DELIVERY

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Project Overview

Aim: fostering **innovation in PV technology** by supporting realisation of the R&I activities and the achievement of the targets established in the **SET Plan Implementation Plan on PV (Implan)**

Specific objectives:

- Supporting the development of industrial R&I projects and collaboration between research and industry stakeholders
- Encouraging the emergence of sound R&I strategies
- Monitoring public spending and the achievement of Key Performance Indicators (KPIs) on PV



Project overview

- A well-assorted consortium of research centres, companies and consultancies



- A 3-year project running from April 2019 to March 2022
- Focus on breakthroughs, cross-fertilization and technology transfer aiming to strengthen European industry
- Insights for decision-makers to strengthen and enhance the effectiveness of public policies





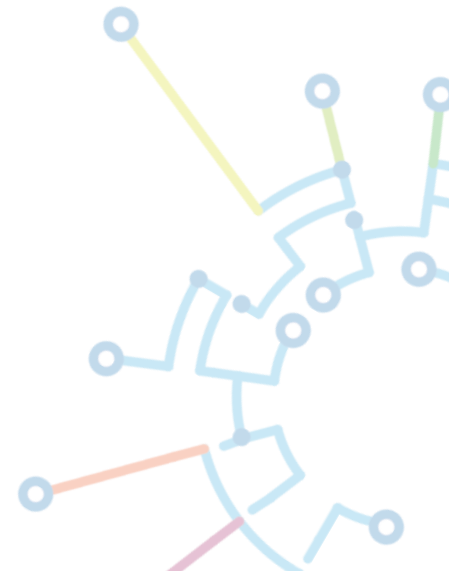
PV Implan R&I activities

What is the Strategic Energy Technology (SET) Plan? A strategic EU initiative promoting research and innovation efforts across Europe by supporting the most impactful technologies in the EU's transformation to a low-carbon energy system

What is the PV Implan? A strategic document approved by several EU Member States setting targets and priority R&I activities for innovation in PV technology

PV Implan R&I activities:

1. PV for BIPV and similar applications
2. Technologies for silicon solar cells and modules with higher quality
3. New technologies and materials
4. Operation and diagnosis of photovoltaic plants
5. Manufacturing technologies
6. Cross-sectoral research at lower TRL





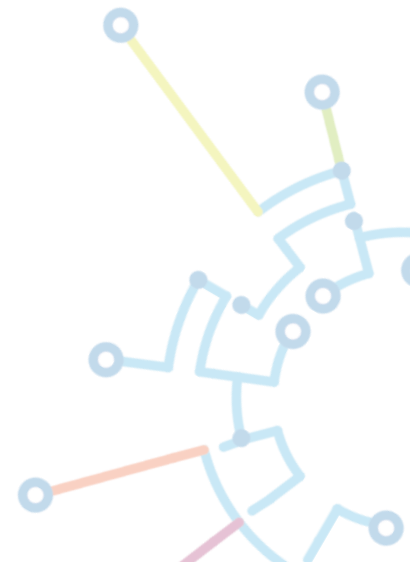
1st component: match-making and mentoring

Match-making event fostering the development of collaborative R&I activities

- 14 events over a 3-years period
- Covering all PV Implan R&I activities
- Targeted to industry and research centres
- 16 guests per event
- Speed-dating approach
- Mentoring offered to the best proposals

Creating a fertile environment for innovation

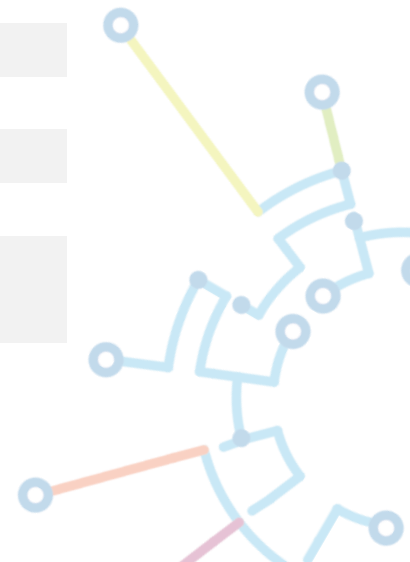
- Fostering collaboration among public and private stakeholder
- Reflection on a proposal for an Important Project of Common European Interest





Tentative schedule of match-making events

	1. PV FOR BIPV AND SIMILAR APPLICATIONS (BECQUEREL)	2. TECHNOLOGIES FOR SILICON SOLAR CELLS AND MODULES WITH HIGHER QUALITY (FRAUNHOFER ISE)	3. NEW TECHNOLOGIES & MATERIALS (IMEC)	4. OPERATION & DIAGNOSIS OF PV PLANTS (3E)	5. MANUFACTURING TECHNOLOGIES (BECQUEREL)
SEP-19		EU PVSEC (FR)			
DEC-19				O&M and Asset mgmt conf (UK)	
MAY-20	ETIP PV (BE)		ETIP PV (BE)		
JUN-20					Intersolar (DE)
SEP-20		EU PVSEC (?)	EU PVSEC (?)		
OCT-20	Advanced Building Skins (CH)				
MAR-21				SPE Summit (BE)	
MAY-21		ETIP PV (BE)			ETIP PV (BE)
SEP-21			EU PVSEC (?)		
OCT-21	Advanced Building Skins (CH)				
DEC-21				O&M and Asset mgmt conf (UK)	





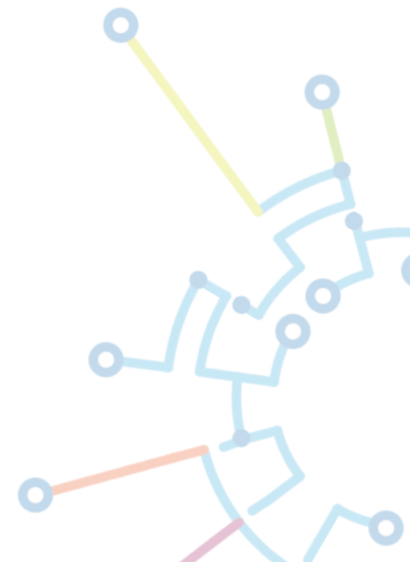
2nd component: flagship projects in Italy

Building long-term partnership between research and industry in Italy

- Mapping of research facility and stakeholders
- Pooling knowledge and expertise through dedicated meetings
- Development of a structured stakeholders' network (National PV Facility Network)
- Advising national and regional R&I funding bodies

Developing and implementing Italian flagship programmes on:

- BIPV/PIPV value chain
- Innovative technologies for modern utility-scale PV





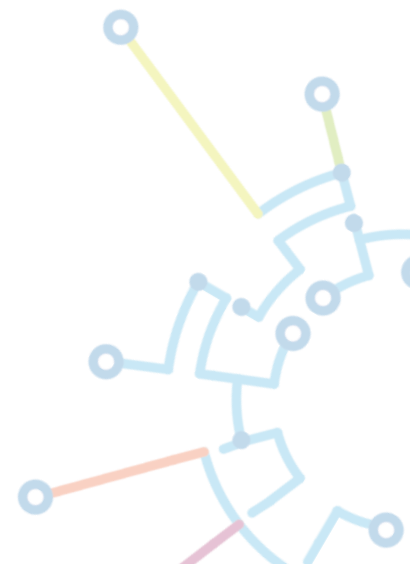
3rd component: support for silicon-related R&I activities

Enhancing Photowatt R&I plan in line with EU priorities

- Organising expert meetings to gather inputs on specific topics
- Developing collaborative R&I activities
- Recommendation on improved quality controls

Fostering an innovation friendly environment

- Fostering stakeholders' access to production facilities
- Organising visits for pupils and students





4th component: monitoring of innovation progress and national support

Mapping of EU competences in the PV value chain

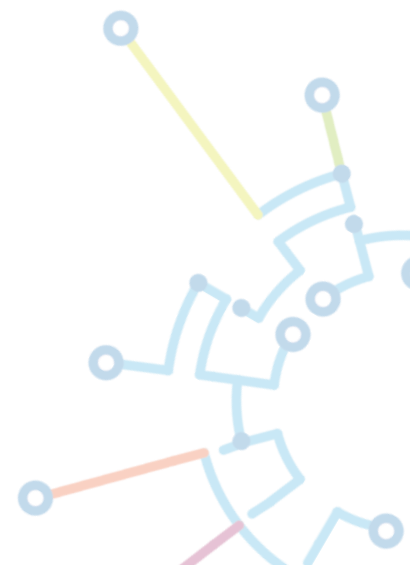
- Identification of relevant stakeholders, know-how and expertise
- Creation of a stakeholders' database

Analysis of public and private spending for innovation on PV

- Analysis of current and expected investments
- Forecasts under different scenarios
- Recommendation to national authorities and funding agencies

Analysis of innovation progress and the achievement of Implan targets

- Definition of metrics
- Gathering of data
- Assessment against the defined metrics





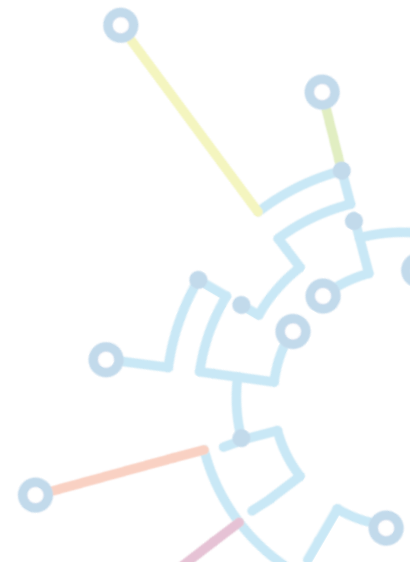
Communication and dissemination activities

Target audience

- National and European decision-makers
- Public funding bodies
- R&I intensive companies
- Research centres

Communication tools

- Website
- Social networks (LinkedIn, Twitter)
- Journal papers





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Thank you!

Project partners



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