PROJECT OUTLINE
THIS PRESENTATION

1. Link between PV LEGAL & PV GRID
2. Objectives of PV GRID
3. Consortium Structure
4. Outputs & Outcomes
5. Workflow
6. Facts
7. Advisory Committee
THE LINK: PV LEGAL & PV GRID

- PV LEGAL was very successful
- Almost all deliverables submitted, additional ones produced
- Outputs exceeded: more than 60 processes have been initiated in participating countries to reduce administrative burdens for photovoltaic installations

However, ...

- More work is needed, legal-administrative barriers still hamper PV deployment in Europe
- Specifically: legal-administrative and regulatory barriers hamper the integration of larger PV quantities into the electricity grids
1. Reduce the barriers hampering large-scale integration of PV systems on electricity distribution infrastructures across Europe.
   - This objective will be addressed by formulating recommendations targeted towards policymakers and energy regulators at European and national level

2. Ease the administrative requirements and procedures necessary for installing, connecting to the grid and operating a PV system in each of the 16 EU countries

3. Favour knowledge transfer between EU Member States
CONSORTIUM STRUCTURE

- **Coordinator**: BSW-Solar, German PV Association
- **Work-Package leaders**:
  - **eclareon** (policy consultancy) leader of the research on administrative barriers (WP2)
  - **DERlab**, (technical consultancy) leader on the discussions for solution for a large grid integration of PV (WP3) in cooperation with the **Comillas University** in Spain
  - **EPIA** (Dissemination) leader on the dissemination of results in a coordinated way at EU and national level
- **Other partners**
  - **14 national PV associations** in charge of researching their country’s administrative frameworks and translating the recommendations of WP3 on national level
  - **3 DSOs**: **ENEL Distribuzione** (Italy), **RWE Deutschland AG** (Germany) and **Lumen International** (Czech Republic), each one from a different country with high shares of PV, providing expertise on technical issues & advice on regulatory and normative solutions
• **1 European level advisory paper** containing regulatory and normative recommendations for the implementation of technical solutions for improved integration of PV into distribution systems (D3.2). The advisory paper will focus on European level and on national levels with greater detail on a set of focus countries: Germany, Italy, Spain and Czech Republic.

• Up-to-date **PV LEGAL database** (D2.3)

• **15 National forums** (D4.7)

• **15 National workshops** (D4.9) promoting and enforcing towards national level key decision makers and stakeholders the normative and regulatory recommendations of the advisory paper

• **1 main final European event** (D4.12) organised in Brussels to present to the European institutions, energy sector associations and other organisations the results and recommendations of the PV GRID initiative.
OUTCOMES

• Initiation of processes for the **reduction of regulatory and normative barriers towards large-scale integration** of PV and other intermittent RES-e generation technologies into the distribution grid

• Initiation of processes for the **improvement of national administrative frameworks for developing PV installations** in the 16 addressed EU countries consisting in reduced barriers and more efficient administrative procedures
WORKFLOW

WP1: Management

Advisory Committee

Project Meetings

WP3: PV GRID Discussion Working Groups & Recommendations

WG 1

WG 2

WG 3

WP4: EU & national Dissemination

Proposals

EU events

National workshops

National forums

Publications

WP2: Research & PV LEGAL database

Solutions

Barriers

Barriers
FACTS

- Carried out by 21 project partners, covering 17 EU Member States
- Coordinated by BSW-Solar
- Countries involved: Austria, Belgium, Bulgaria, Czech Republic, France, Germany, Greece, Italy, Poland, Portugal, Slovak Republic, Slovenia, Spain, Sweden, the Netherlands, UK
- Project is funded by the European Commission under the “Intelligent Energy Europe” Programme
- Duration: 30 months (May 2012 – Oct 2014)
ADVISORY COMMITTEE

• It will **periodically review and direct** PV GRID project activities and results

• **Composition:**
  - Project Partners
  - External experts:
    - Major actors of the smart grid (Wind, Micro CHP, electric vehicles, smart meters, associations and manufacturers, etc.)
    - Transport System Operator representatives (i.e. ENTSO-E)
    - DSO associations (i.e. GEODE, EDSO-SG, EURELECTRIC)
    - Energy sector industry (transformers and other appliances)
    - PV equipment manufacturers and project developers
    - Electricity market regulators or their associations

• **AC meeting results will be directly fed as input to all project partners to direct further work**

• **During the advisory committee meetings, the comments of regular and invited participants will be discussed and matched against the objectives of the project.**
Thank you for your attention

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