

# PVs in Bloom

*Farming photovoltaic flowers: a new challenge for land valorisation within a strategic eco-sustainable approach to local development*



## Partners

- **Unioncamere del Veneto (Italy)**
- **Energy Agency of the Province of Sassari (Italy)**
- **Development Company of the Municipality of Milies (Greece)**
- **University of Jaén (Spain)**
- **Chamber of Commerce, Industry and Shipping of Valencia (Spain)**
- **Institute of Physics of the Lublin University of Technology (Poland)**
- **Innovation Region Styria (Austria)**
- **Italian-Slovak Chamber of Commerce (Slovakia)**

## Objectives

- **Support of investors of ground photovoltaic power plants up to 3 MWp**
- **Target area = marginal lands e.g.**
  - **landfills,**
  - **old industrial sites,**
  - **military areas,**
  - **buffer zones at airports, highways, ...**

## Outputs in form of brochures ...

- **Strategic Vision Document**
- **Technical Handbook**
- **Administrative Handbook (in process)**
- **Business Guide (in process)**

Regarding the following content:

- **Case studies / good practices for PVPPs on marginal areas**
- **Description of different types of available technologies**
- **Financial, administrative and technical information for managing a proper feasibility study for PV investments**

[www.pvsinbloom.eu](http://www.pvsinbloom.eu)

## **Solar Park Ronneburg (Thuringa, Germany)**

### **Mining area reuse model**



#### **Area is**

- former uranium mining and waste dump land**
- redeveloped by the WISMUT GmbH (decontamination of radioactive toxic waste)**

**Owners/Management: GLS Energie AG/GLS Solarenergie GmbH**

**Capacity: 4,45 MWp**

**Power output: ~ 4,023,000 kWh/y**

**Project costs: 11,6 Mio €**

**Running costs: ~ 110,000 €**

**Annual compensation: 1,28 Mio €/y**

**Feed-in tariff: 31,94 Cent/kWh**

**In operation since: 2009**

**SunEnergyCitizenPlant Mureck (Styria, Austria)**  
**Partnership model with inhabitants of a municipality**



**Owners/Management: SEBA Mureck GmbH**

**Investors: 320 citizens and 7 communities of the small region Mureck**

**Capacity: 2 MWp (1st extension: 1,050 kWp in operation 03/2011;**

**2nd extension: 950 kWp to be completed in 2012)**

**Project costs: 6 Mio € (therefrom 13 % funding)**

**Running costs: ~ 70 T €**

**Feed-in tariff: 2011: 6 c€/kWh; 2012 – 2024: 25 c€/kWh**

**[www.sebamureck.at](http://www.sebamureck.at)**

# SunEnergyCitizenPlant Mureck (Styria, Austria)



Back payment and output starting from the year 2012/13	
Example of calculation for 2 kWp/year	
Back payment of the equity capital (2.000,- €) within 20 years 80% of the equity capital (1.600,-- Euro)	80,-- Euro/year
Output from your energy production from sun approx	100,-- Euro/year
<b>Total sum for 2 kWp approx</b>	<b>180,--Euro/year</b>

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