



Project author or developer:  
**SUNFLOWER Project**

Where:  
**CH / Suisse / District de Berne**

Website:  
**[www.sunflower-fp7.eu](http://www.sunflower-fp7.eu)**

SUNFLOWER (Sustainable Novel Flexible Organic Watts Efficiently Reliable) Project (CH): Organic photovoltaics (OPV) represent the newest generation of technologies in solar power generation, offering the benefits of flexibility, low weight and low cost enabling the development of new consumer nomadic applications and the long term perspective of easy deployment in Building Integrated Photo Voltaics (BIPV) and energy production farms. This is a key opportunity for the EU to further establish its innovation base in alternative energies. The current challenges reside in the combination to increase efficiencies to 8-10% (module level), increase expected lifetime up to 20 years and decrease production costs to 0.7 Eur/Wp, while taking into account the environmental impact and footprint. The project consortium combines industrial, institutional and academic support to make a significant impact at European and International level, especially on materials and processes while demonstrating their market-relevant implementations. The industrial project partners are well assembled along the supply chain of future OPV-based products, which is an important prerequisite for the creation of significant socio-economic impact of this proposal.

