



Pioneers into Practise 2013

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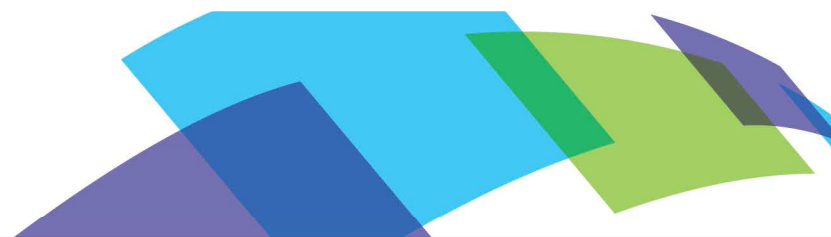
20th Sept 2013





Fundación Comunidad Valenciana Región Europea





The **Fundación Comunidad Valenciana-Región Europea** is a non-profit foundation under the protection of the Valencian Regional Government.

The objective of the Foundation is to promote the participation of all the sectors present in the Valencian Region in the European Union's policies and to promote a better knowledge of these policies.

The FCVRE activities are focused on 4 axis:

- Representation and defense of the Valencian interests
- Strategic European projects
- Collaboration agreements
- Information and training on EU
- European Regional Cooperation



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Pioneers into Practise





Pioneers into Practice, one of Climate-KIC's programmes, develops high-level innovation skills for the low-carbon economy. It provides individuals from a range of different backgrounds with the opportunity to enhance their knowledge of the transition to a more sustainable society by joining real-life projects, throughout Europe.

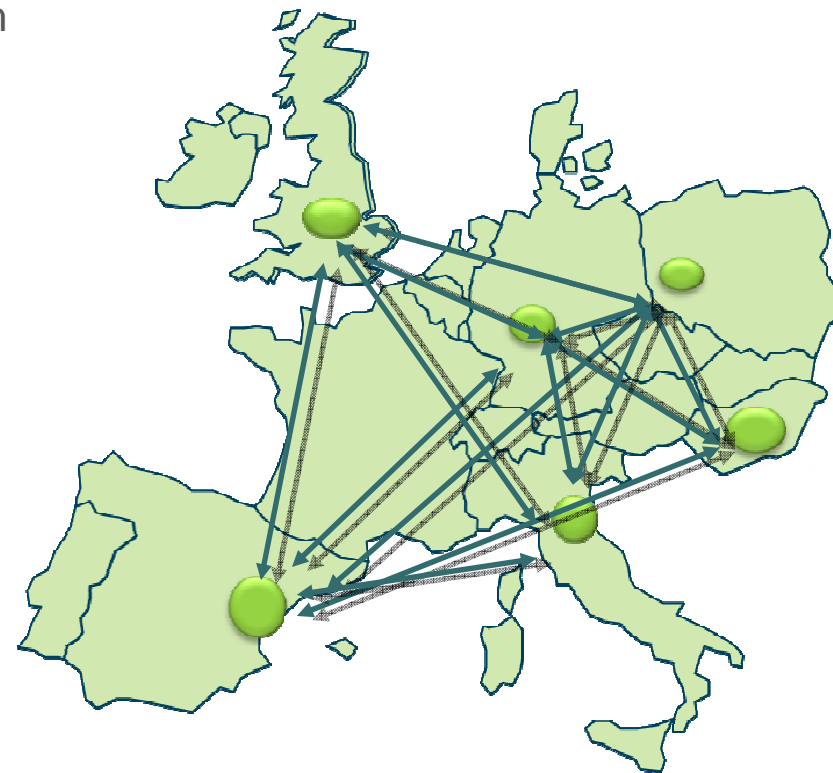
How **Pioneers into Practice** attempt to reach its objectives?

- ➔ Spend two one-month periods with leading European low-carbon innovation projects
- ➔ Participate in a series of two-day intensive workshops to share placement experiences and develop thinking on climate-change innovation
- ➔ Be mentored by leading European experts on transition management and get hands-on support from regional coaches
- ➔ Get the opportunity to showcase your ideas at the annual Climate-KIC Innovation Festival and the wider Climate-KIC community



Pioneers into Practise

- 2010 Call: regional placement autumn
- 2011 Call: 58 pioneers
- 2012 Call: 172 pioneers
- 2013 Call: 191 pioneers



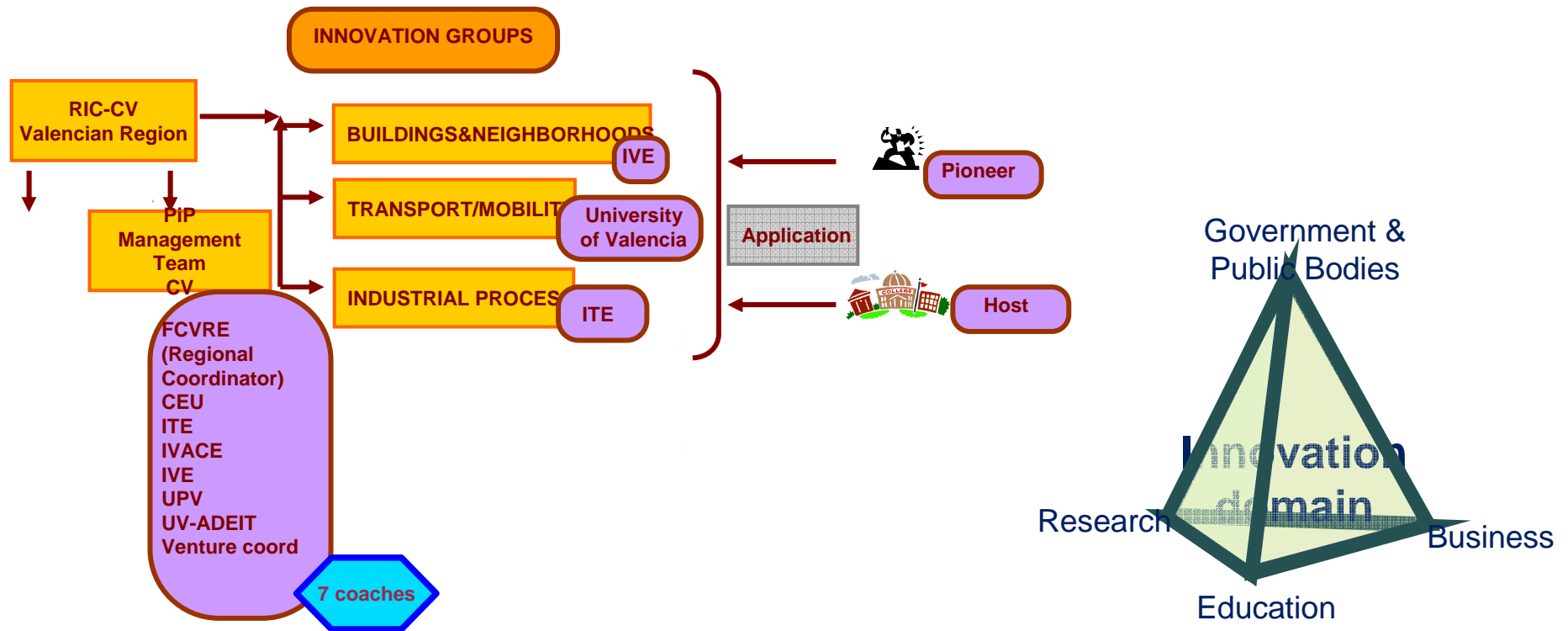


...involving the Valencian society





FCVRE is the regional coordinator of the PiP programme in the Valencian region, but also the PiP coordinator at European level. As Regional Coordinator, FCVRE has created a structure called **PiP Management Team Comunitat Valencian** (PiP-MT-CV), which involves the main entities of the Valencian region to manage the programme and cover the main stakeholders in the region related to the Climate Change topic, taking into account the triple-helix, the challenge platforms and the region coverage.





2013 Call





2013 Call

ESM	Valencian Region	Central Hungary	Emilia-Romagna	West Midlands	Hessen	Lower Silesia	Dutch pilot	Total
48	48	48	20	25	20	10	0	125



2013 CALL: Results

KPI target

- **30 New business case / models / project proposals**
- **20 Knowledge transfer agreements**
- **20 Novel advances in organisations**

IG1: Building and neighbourhood

IG2: Transport and mobility

IG3: Industrial processes

...some examples...



IG1: Building and neighbourhood

Novel advances in organisations

Sustainable Management of the Science Park of Universitat de València

1. Analyse the SPUV energy consumption
 - Data Center
 - UPS (Uninterruptible power supply)
2. New measures to improve the current energy management system
 - reduce the operation cost of the facilities
 - improve environmental image of the organization



RESULTS

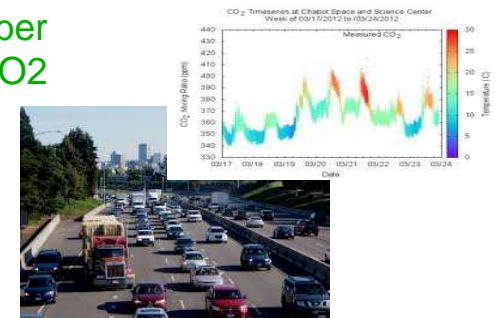
- **Economic/financial**
 - Review and analysis of the historical electric bills.
 - Optimizing parameters in the electricity contract: Cost reduction: 9.000 €/year.
- **Cost Reduction of Facilities Implementation:** Review of the UPS design to be adapted to the real consumption, with on-site measurements, achieving a cost reduction over 40%.
- **Reduction of Energy Consumption:** Energy efficiency studies in the:
 - Data Center
 - UPS (Uninterruptible power supply). Reduction over 1.600 €/year



IG2: Transport and mobility

New business case / models / project proposals

- ◆ Submission of a **EBRD tender** “BURGAS integrated Urban Transport Project – Preparation of an enhanced Public Tariff System”
- ◆ An **electrical motorbike charger** that meters the energy consumption and provides extra information of multiple charge points
- ◆ A **web tool** that can advice the users to choose optimal routes in terms of travel time and climate-efficient: joining the number of vehicles circulating in a city with the measurement of CO2 levels in different city areas.





IG3: Industrial processes

New business case / models / project proposals

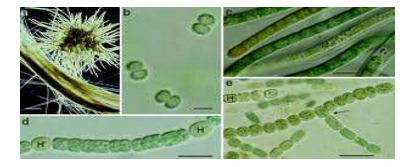
- ◆ Presentation of EEI proposals

Plat4BEELS. Platform for Foresight and Improvement of efficiency energy in lighting systems

Bioprom. Enhancing Market-driven Industrial Use of Solid Biomass by Promoting Good Practice Technologies



- ◆ Production of cyanobacteria mutants with improved carbon sequestration capabilities



- ◆ Presentation of LIFE proposal

Improve urban soil conditions by sustainable management of natural and recycled resources



Knowledge transfer agreements

- ◆ New logistic model for waste disposal system in a RSU plant: new patent
- ◆ Integral development of an eco-efficient production system of lavender and industrial production of aromatic essential oils





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