

Project title: Developing RTD Potential of INCDIE ICPE-CA in the Field of Hydrogen and Fuel Cell Technologies

Grant Agreement number: 229906/2009

Project acronym: ICPE-HyFC

Funding Scheme: FP7-REGPOT-2008-1

Project Presentation

The goal of the ICPE-HyFC project is to develop the capacity and research potential of INCDIE ICPE - CA in the field of renewable energy technologies and to support its existing research centre for hydrogen and fuel cells (HyFCLab). The project also facilitates collaboration at national and international level, with the public and private sector as well as with other laboratories to develop, promote and implement renewable technologies.

Project's Consortia

Coordinator: Dr. Gimi Aurelian RIMBU

Consortia: No consortia.

National Institute for Research & Development in Electrical Engineering, Bucharest, Romania

Website: <http://www.icpe-ca.ro/fp7/en/>

Coordinator e-mail: gimi.rimbu@icpe-ca.ro

Human Resources Involved

Involved 12 researchers as members of the Energy Efficiency Department of INCDIE ICPE-CA. Collaboration took place with specialists in other departments concerned with Investment, Marketing and Advanced Materials.

Results Obtained

- Exchange of know-how and experience;
- Recruitment of experienced specialised research staff;
- Acquisition of specialised equipment;
- Organisation of specialised workshops and conferences;
- Increased international visibility;
- Strengthened capacity and the quality of research;
- Dynamic and competitive HyFC Lab and its integration into the ERA;
- Opened new opportunities for interdisciplinary research in FP7 and ERA;
- Increased public awareness for renewable energy technology.

Project Impacts

- Strengthening the RTD capacity of INCDIE ICPE-CA and improving the quality of research;
- The establishment of strategic partnerships for participation in FP7 projects;
- Acquisition of equipment to strengthen RTD capacity;
- Providing a valuable source of knowledge and expertise at national and international level in hydrogen & fuel cell technologies;
- Bring added value to the development of renewable energy technologies;
- Sustaining the competitiveness and innovation of Romanian research and to disseminate information to industry, business etc.;
- Increase the national and international visibility of INCDIE ICPE-CA;
- Open opportunities for participation in different EU networks, platforms and FP7 consortia;
- HyFC Lab became a valuable source of knowledge in the field of hydrogen and fuel cells and supports increasing public awareness;
- The Institute has an IPR department to advise on the exploitation of their work and any IPR will be the property of the Institute.

Integration into International Research Networks

- Increased participation to different international project call programmes:
 - ✓ 12 proposals submitted in the regional calls: South East Europe (SEE) Programme; Romania-Bulgaria Cross-border Cooperation Programme 2007-2013; Joint Operational Programme "Black Sea Basin 2007-2013; MNT ERANET Programme;
 - ✓ 4 proposal funded in the regional calls;
 - ✓ 8 proposals submitted in the FP7 Programme;
 - ✓ 1 International sub-contract signed in the NMI3-II/FP7, Nr. 283883 FP7 Project.
- 2 incoming specialist recruited by INCDIE ICPE-CA;
- 10 New Signed International Agreements on Scientific And Technological Collaboration;
- 13 people involved in the international staff exchange program;
- 4 workshops organized, with international participation from: Poland, France, Greece, Spain, Germany, England, Czech Republic, Bulgaria, Turkey, Moldova, Ukraine and China;
 - 24 Scientific presentations and publications in the conference proceedings;
 - 6 Publications (peer reviewed) in journals and conference proceedings.