



***Need Heat and Power?***

***Microgeneration with Fuel Cells***

***Coimbra, 27 May 2008***



## P r o g r a m m e

9:00 – 9:30	REGISTRATION
9:30 – 9:40	WELCOME BY THE DIRECTOR OF ISR-UC <i>Prof. Aníbal T. de Almeida, ISR-University of Coimbra, Portugal</i>
9:40 – 10:00	OPENING BY THE DIRECTOR GENERAL OF ENERGY “PORTUGUESE INITIATIVES REGARDING THE INTEGRATION OF RENEWABLE ENERGY” <i>Director General of Energy Directorate General of Energy and Geology, Portugal</i>
10:00 – 10:30	PRESENTATION OF THE PROJECT RES-FC MARKET <i>Frans Bjørn-Thygesen, Hydrogen Research Centre, Denmark</i>
10:30 – 10:45	HYDROGEN PROMOTION IN PORTUGAL <i>Rei Fernandes, IDMEC, Portugal</i>
<b>10:45 – 11:00</b>	<b>Coffee break</b>
11:00 – 11:30	OVERVIEW AND PERSPECTIVES OF FUEL CELL TECHNOLOGIES AND REGIONAL MARKET DEVELOPMENT <i>Gerard Kraaij, ECN, Netherlands</i>
11:30 – 12:00	10 REGIONAL MARKET DEVELOPMENT PLANS <i>Poul Ostergaard, Alborg University, Denmark</i>
12:00 – 12:30	DEVELOPING AN AGGREGATED MARKET OF 3000 RES-FC UNITS – ECONOMIC ANALYSIS <i>Claus Torbensen, HIRC, Denmark</i>
12:30 – 13:00	SOCIAL REPRESENTATIONS OF HYDROGEN IN PORTUGUESE POPULATION <i>Judite Campos Rodrigues, AP2H2, Portugal</i>
<b>13:00 – 14:00</b>	<b>Lunch</b>
14:00 – 14:30	HYDROGEN PRODUCTION FROM RENEWABLE ENERGY SOURCES <i>Thorsteinn Sigfusson, University of Iceland, Iceland</i>
14:30 – 15:00	MAKING BUSINESS OUT OF ELECTROLYSERS <i>Lars Yde, BIC, Poland</i>
15:00 – 15:30	MAKING BUSINESS OUT OF RES-FC SYSTEMS <i>Jesper Thomsen, Dantherm Power, Denmark</i>
15:30: 16:00	PORTO SANTO – CASE STUDY <i>Luis Alves, IDMEC, Portugal</i>
<b>16:00 – 16:15</b>	<b>Coffee break</b>
16:15 – 16:45	MARKETING STRATEGIES TO DEVELOP REGIONAL MARKETS <i>Campos Rodrigues, SRE, Portugal</i>
16:45 – 17:00	FUEL CELL FOR HIGH POWER QUALITY APPLICATIONS <i>Aníbal T. de Almeida, ISR-University of Coimbra, Portugal</i>
17:00 – 17:30	PANEL DEBATE – DISCUSSION AND SUGGESTIONS <i>Moderator: Prof. Thorsteinn Sigfusson, University of Iceland</i>

## O b j e c t i v e s

The EU-project RES-FC Market wants to accelerate the market introduction of fuel cell household systems (FCHS) that use renewable energy sources (RES) because the contribution of these systems to global warming is very small.

For the market development it is essential that the system cost decreases and initial customers can be identified. Lessons from the successful European technology and market development of wind turbines will be transferred into the RES-FCHS sector.

This means that 10 regional markets will be described that have an aggregated market of 3000 RES-FCHS units to be realised in the near future.

The cooperation between the regional RES-FCHS markets shall be used for driving down the costs of RES-FCHS due to acceleration of development and mass manufacturing possibilities.

The main aim of this workshop is to present recent technological developments of Fuel Cell Technologies for stationary applications and increase awareness among potential users.

The invited speakers come from advanced companies working in Fuel Cell development and from the research institutions involved in innovative projects in the area of Hydrogen and Fuel Cells.

## T a r g e t   g r o u p s

RES-Industry, fuel cell sector, regional and national authority, and potential end-users.

Cogeneration companies, electric utilities, independent power producers, Building companies, tertiary sector buildings, gas and oil companies, engineering companies, manufacturers and distributors.

Energy and environmental consultants and designers;

Central administration.

# S p o n s o r s

Intelligent Energy  Europe



## W O R K S H O P Fuel Cell Market

*The workshop will be held at ISR-University of Coimbra - Coimbra - Portugal  
27 May 2008*

The official language is English.

PAYMENT	
50 EUR/person	CHEQUE Nº:
Does not include lunch	BANK:
PARTICIPANTS	
NAME:	
COMPANY:	
TELEPHONE:	
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VAT Nº	

**Please, send back by letter, fax or email to:**

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