

Information about the HYRREG Competition

Programme 2009-2010 INTERREG /SUDOE



Preamble

This competition is organised by the HYRREG trans-national programme coordinated by the Ecole des Mines d'Albi-Carmaux and the PHyrenees association together with its Spanish and Portuguese partners.

The role of HYRREG is to encourage the development of hydrogen technology and fuel cells in the southwest of Europe (SUDOE zone) by facilitating cooperation between industries, universities and research centres.

HYRREG is part of INTERREG/SUDOE which groups the following members: France (Midi Pyrénées, Aquitaine and Languedoc Roussillon), Portugal (Norte, Algarve, Centro, Lisboa, Alentejo), and Spain (Galicia, Principado de Asturias, Cantabria, País Vasco, Comunidad Foral de Navarra, La Rioja, Aragón, Comunidad de Madrid, Castilla León, Castilla la Mancha, Extremadura, Cataluña, Comunida Valenciana, Baleares, Andalucía, Murcia)

There are two stages in the competition

The first stage of the competition is specific to each region. Each HYRREG member will organise the competition in their region and designate a jury to decide on a winner.

For France the first stage competition will be in Midi-Pyrenees with the neighbouring regions (Aquitaine and Languedoc Roussillon).

The second stage of the competition: All the winners of the first stage will be evaluated together by a trans-national jury which will designate the final overall winners.

The energy context

European and national level development of renewable energy sources requires programmes to demonstrate advantages of each new technology. Hydrogen as an energy vector, whether for transport, industry, services, or residential use, must also pass this phase to examine different aspects including security and societal issues. Furthermore it is essential to make a comparison with other forms of energy, whether new or traditional, based on the economics of hydrogen use integrated over the whole energy chain : production, purification, storage, transport, distribution.

A Competition for new ideas

The competition covers all aspects of the use of hydrogen as an energy vector. All technologies and application implementing hydrogen and fuel cell are concerned with this operation

No restrictions are placed on support by public or private operators

Who can compete?

The competition is open to all students in higher education (undergraduate, post graduate, further education). In France this concerns students in higher education in the Midi-Pyrenees, Aquitaine and Languedoc-Roussillon regions

Individual and team entries will be accepted from the whole of the area covered by the members of the HYRREG. In the case of a team entry the team leader should be clearly identified.

The Contents of the Entry Submission

- A presentation of the person or persons competing.
- Theme of the submission
- A report giving the technical, economic, environmental and societal arguments for the project, describing and locating all the elements envisaged
- The project should take into account the present and future statutory context which applies to the production, use and re-sale of energy
Relevant standards should also be mentioned

Note : The proposed project can be based on several scenarios.

The project must be innovative and have a scientific and technological basis taking into account energy efficiency and feasibility. The realism of the project will be an important part of its evaluation.

The project can be stand-alone, integrated with other renewable resources (wind, solar,) or integrated with traditional energy sources. All options can be envisaged.

Esthetics, design, and the integration into the environment are considered to be important aspects of the project

The winners designated by jury in november 2010 should be able to provide an English version of their project within a delay which will be stipulated later.

Format of the file of participation

The report will have to comprise 12 maximum pages (unbounded for the appendices) It will be written in characters size no lower than 11. The most complete bibliography will be included at the end.

If the project passes the first evaluation, a poster under a A4 format will be also requested. The jury will communicate this issue to the implicated participants.

Important notice: the report will be transmitted to the HYRREG Project by e-mail. See information at the end.

On the website all the information related to this contest will be available.
www.hyrreg.eu

Intellectually property and confidentially agreement

Reports submitted to the Contest of Ideas will be belong to property the author only, ,being Intellectually property be respected in all cases.

The receiving party undertakes not to use the information for any purpose, other than for the purpose of working within the project specification, respecting the Intellectual Property of the authors of the reports..

This agreement does not apply either to any information that is in the public domain, nor to information which the receiving party can demonstrate was:

On request from the other party either party shall return any documents or other information relating to this agreement. No unauthorised copies in any form are permitted to be retained.

Selection of the projects

The projects which will be proposed will be selected according to two phases

1. A national phase which will make it possible each partner of project HYRREG to select a prize winner
2. A transnational phase which will join together a jury which will classify the prizes winner selected in the preceding phase

"National" juries

The national juries will be composed by members of the Interreg Regions, with expertise on hydrogen technologies.

The Trans-national jury

The final trans-national jury will be composed at minimum of a representative from each of the countries members of HYRREG project.

The contest organizers will decide the other members of the jury (industry, public entities,...), composed at least by 6 persons.

The Hyrreg partners are:

Fundación para el Desarrollo de las Nuevas Tecnologías del Hidrógeno en Aragón – Spain

Inst. Nac. de Técnica Aeroespacial (INTA) Sub. General de Rel. Instit. y Pol. Com-/Dep. Aerodinámica y Propulsión - Oficina Transf. Resultados de Invest. Área de Energías Renovables – Spain

Fundación Instituto Andaluz de Tecnología – Spain

Junta de Castilla la Mancha Dirección General de Política Tecnológica Consejería de Educación y Ciencia – Spain

Universidad Rey Juan Carlos (URJC) Vicerrect. Invest. Centro para la Innovación y transferencia de la tecnología y el conocimiento (CINTTEC) – Spain

Ecole des Mines d'Albi Carmaux – France

Association PHyRENEES – France

ISQ – Instituto de Soldadura e Qualidade Direcção de Investigação e Desenvolvimento – Portugal

Univ. Téc.de Lisboa - Inst. Sup. Técnico RGEDS - Research Group on Energy and Sustainable Development – Portugal

The final trans-national jury will meet in decembre (the exact date will be define soon)-2010 in France in the Midi-Pyrénées region.

The transnational jury will evaluate the projects adopted by each national jury, after an oral presentation in English (the conditions will be specified later on) the official announcement of the results will be done in the presence of the prizes winner selected.

The prizes winner classified in 1st and 2nd place will be able to have to make a second presentation of their project following the framework in which the advertisement of the results will be done

The main criteria in the evaluation

The juries will take into account the following main criteria for evaluating each project :

- Originality
- Innovation
- Technical and economic viability
- Environmental integration and impact
- respect of the instructions given for the presentation of the file
- Design and clarity of ideas

Calendar

The calendar of the competition is as follows:

1. The competition will be open from September to 15st of November 2010.
No submissions will be accepted after 17h00 on 15st of November 2010.
2. National juries: before the end of November –2010 will select the finalists.
3. Trans-national jury : december 2010 (Each area winner will be informed of the date by their "national" jury)

Note : The decisions of the national and trans-national juries are final and no discussion will be entered into.

Each competitor will be informed of the results by post and/or e-mail. On the website will be uploaded a list of the finalists too.

It should be noted that the cost of displacement for the prizes winner selected to take part in the transnational jury will be paid within the framework of the project like one night of accommodation.

The type of means of transport (plane, train or car) as well as the place of the accommodation will be left with the appreciation of the organizers

Prizes

The winner who will be selected for the second phase, will received a prize according to its classification:

- 1 to 2. A trip and inscription at the congres HyCELTECH 2011 to Saragossa (Spain) with a presentation of the projects. (maximum: 1000 euros each)
- 3 to 5. A inscription to a congress in relation with hydrogen technologies (maximum: 600 euros each)
- 6 to 9. A subscription with an specialized magazine (maximum: 200 euros each).

The payment of the amounts granted will depend on the Hyrreg partners:

- The payment of the amounts granted will have to give place to the transmission of an invoice corresponds to the real costs of the committed expenses and that within a 6 months maximum delay (date running as from December, 2010).
- The Hyrreg partners can also book the accommodation and travel tickets and pay the registration of the winners directly to the Congress. The winners will receive the tickets and reserves.

Confidentiality

The projects presented are guaranteed confidentiality.

No information will be given as to the contents of the entries submitted. Only general overall information and publication will be given.

NOTE: If you are interested on the contest, please you can register you metity on the next website. A partner form SUDOE will contact you.

http://www.hyrreg.eu/observatorio/eventosHyrreg/acontecimiento_0009.html

