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H₂FC

Integrating European Infrastructure to support science and development of Hydrogen- and Fuel Cell Technologies towards European Strategy for Sustainable, Competitive and Secure Energy

Deliverable

D2.7 2nd Call of H₂FC (specific)

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1 Introduction

The present paper is a documentation of specific activities and implementations that have been undertaken by the H₂FC consortium in order to prepare the first call for proposals and to raise awareness of H₂FC offer to external users from Europe. As such it is not the deliverable. The 2nd call as such is the deliverable.

The second call for proposals was announced in November 2012 on the H₂FC website. Each applicant can fill out a PDF based application form, downloaded from the webpage and submit it via web. This paper does not report any technical measure taken to establish and adapt the used business processes, such as the system entry point (i.e. the website), description of the technical capabilities, proposal submission system, user office etc.

2 Launch of 2nd Call

The 2nd call was announced on the start page of the external website of H₂FC. The second call was indicated as a specific synergy call with access to all installations of the projects regarding:

- Fuel cells
- Hydrogen production and storage
- Safety issues

In combination with Nano- and Micro-technology. The promotion of this synergy call was not clearly understood by potential users and thus failed so far, to get potential user projects by scientists out of micro- and nano- technology.

The screenshot shows the H₂FC website home page. The header includes the H₂FC logo, a navigation menu with 'Home', 'About H₂FC', 'User Access', 'Activities', 'Login', and 'H₂FC News', and 'Contacts' and 'Legals' links. The main content area features the H₂FC European Infrastructure Project title, a description of the project's goal, and a carousel of images. A prominent orange banner reads 'Second call is now open!'. Below this, a text block invites users to take their chance for free access to more than 50 installations regarding fuel cells, hydrogen production and storage, and safety issues. A circular 'Apply here!' button is also present. The right sidebar contains 'Main Contact' information for Olaf Jedicke, a map of Europe, and a 'Visit our Technical School!' button. At the bottom right, there is a 'CAPACITIES' logo.

H₂FC

H₂FC European Infrastructure Project
Integrating European Infrastructure to support science and development of Hydrogen- and Fuel Cell Technologies towards European Strategy for Sustainable, Competitive and Secure Energy

Second call is now open!

Take your chance for free access to more than 50 installations regarding:

- fuel cells
- hydrogen production and storage
- safety issues

Apply here!

Hydrogen as an energy carrier will play a major role in the near future, but still research has to be done to reach public acceptance and promote further development. This H₂FC European Infrastructure wants to enable applicants ...

- to reach their research goal
- by supporting their necessary research work
- by providing the required infrastructure
- without any costs!

The H₂FC European Infrastructure Project is free of charge and access could usually be granted within few days. Be sure to apply.

Main Contact
Olaf Jedicke
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Visit our Technical School!

CAPACITIES

Figure 1: Screenshot of Second Call information on the home page of H₂FC

Detailed information regarding the steps for submitting a proposal was given on an additional page, called "Proposal Submission" was arranged same than to the first call. No changes appeared. Promotion of 2nd Call

Different information activities have been started to promote this offer to experts in the field of Hydrogen- and Fuel Cells Technologies.

Each partner uses their individual Email lists to send out information about the opening of the first call. Additionally the leaflet arranged to the first call was designed for promotion purposes:

The leaflet is a promotional flyer for the H₂FC European Infrastructure Project. It features a grid of logos for various partner institutions across Europe, including SINTEF (Norway), University of Pisa (Italy), EMPA (Switzerland), Pro-Science (Germany), University of Ulster (UK), VTT (Finland), ENEC (Italy), and others. A central text box asks if the reader is interested in developing a project research in one of the H₂FC installations and provides the website www.h2fc.eu. The leaflet also includes a detailed description of the project's goals and a list of participating institutions with their specific research interests.

H₂FC European Infrastructure Project
Integrating European Infrastructure to support science and development of Hydrogen- and Fuel Cell Technologies towards European Strategy for Sustainable, Competitive and Secure Energy.

Are you interested in developing a project research in one of H₂FC installations?
Submit your proposal through www.h2fc.eu
where you can find also a more detailed description of available H₂FC installations.

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Participating Institutions and Research Interests:

- SINTEF (Norway):** Stationary and Fuel Cells for Power and Heat Generation; Hydrogen Production & Distribution
- University of Pisa (Italy):** Hydrogen Piles
- EMPA (Switzerland):** Hydrogen Production & Distribution
- Pro-Science (Germany):** Hydrogen Safety Issues
- University of Ulster (UK):** Hydrogen and Fuel Cell Safety
- VTT (Finland):** Stationary and Fuel Cells for Power and Heat Generation
- ENEC (Italy):** Thermochemical Hydrogen Production; Hydrogen Storage; PEMFC, MCFC, SOFC
- KIT (Germany):** Hydrogen Storage Materials; Hydrogen Safety Issues; SOFC Tests
- JRC (The Netherlands):** Transportation and Refueling Infrastructure; Cross-cutting issues; Stationary and Fuel Cells for Power and Heat Generation
- Università degli Studi di Perugia (Italy):** Stationary and Fuel Cells for Power and Heat Generation; Material characterization by means of x-ray, neutron, light
- CEA (France):** Stationary and Fuel Cells for Power and Heat Generation; Hydrogen Production & Distribution; Hydrogen Storage in Hydrogen; Hydrogen embrittlement under hydrogen gas pressure
- JÜLICH (Germany):** Fuel Cells for stationary power and heat generation
- BAM (Germany):** Sensors; Materials; Safety Issues
- IFE (Norway):** Materials characterization
- PSI (Switzerland):** Stationary and Fuel Cells for Power and Heat Generation
- tecnalia (Spain):** Cross-cutting issues; Materials Behavior
- HSE (UK):** Transportation and Refueling Infrastructure
- National Centre for Scientific Research "Demokritos" (Greece):** Hydrogen Storage
- NPL (UK):** PEMFC in situ measurement and modeling; Electrochemical characterisation of fuel cell catalysts; Measurement of hydrogen purity

Figure 2: Leaflet for promotion of first and second call

In addition, the promotion to this call was done by presentations (oral, poster, flyers, etc.) to several conferences (see list of disseminations) done by KIT and University Perugia and partly also by some other partners.