



Nature of the deliverable: Public



1/7

Grant agreement no.: FP7-284522

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

D2.5 1st Call of H₂FC (unspecific)

Due date of deliverable	30th April 2012
Completion date of deliverable	30th June 2012
Start date of H2FC project	1st November 2011
Duration of project	48 months
Version of deliverable	1.0
File name	D2.5_H2FC_v1.0.doc
Responsible partner for deliverable	KIT
Contributing partners (short names)	

The H₂FC project is co-funded by the European Commission within the 7th Framework Program

Document History

Issue Date	Version	Changes Made/Comments
30.04.2012	1.0	Bittner

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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 1st call as such is the deliverable.

The first call for proposals was announced in May 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; please see the deliverable D2.21), description of the technical capabilities, proposal submission system, user office etc.

2 Launch of 1st Call

The first call was announced on the start page of the external website of H₂FC. The first call was indicated as an unspecific call with access to all installations of the projects regarding:

- Fuel cells
- Hydrogen production and storage
- Safety issues

The screenshot shows the H₂FC website home page. The main content area features the following elements:

- 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.
- HyMat - Hydrogen Assisted Stress cracking testing configuration based on SSRT**: Accompanied by three images showing laboratory equipment.
- First call is now open!**: A large orange banner.
- Take your chance for free access to more than 50 installations regarding:**
 - fuel cells
 - hydrogen production and storage
 - safety issues
- Apply here!**: A circular button with a magnifying glass icon.
- 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.**

On the right side, there is a **Main Contact** section for Olaf Jedicke (Phone: +49 721 6082 5274, Fax: +49 721 6082 4777) and a **Visit our Technical School!** button. At the bottom, there is a **CAPACITIES** logo.

The footer contains the text: *H₂FC European Infrastructure* is an Integrating Activity funded by the European Commission under FP7 Capacities Programme. Grant agreement No. FP7-284522.

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

Detailed information regarding the steps for submitting a proposal were given on an additional page, called "Proposal Submission".

H₂FC European Infrastructure

Contacts Legals

Home

About H2FC

- Objectives
- Partners
- Advisory Board
- Gender equality

User Access

- Installations
- Proposal Submission
- Downloads
- FAQ

Activities

- Joint Research
- Transnational Access
- Networking

Login

- Partners (Sharepoint)
- Administration
- Frontend login

H2FC News

Join our Mailing list!

Name

E-mail

Proposal Submission

First call is now open!

Submitting a proposal to apply for access to H2FC follows typically a number of subsequent steps:

- Read the [User Guidelines](#)
- Draft your idea
- Checkout the [installations online](#) or [download the complete installations book](#)
- Talk with a technical expert, that you feel fitting best to your ideas (optional)
- Download the following application form, draft your proposal and submit:
 - [Application form](#)

After submitting your proposal you will receive a notification of submission.

You will be informed when your proposal has been evaluated by our independent peer review board.

Subject to a successful evaluation of your proposal, a technical expert will be nominated to take care of the appropriate execution of your project.

Proposals may be submitted at any time during open calls and will be handled at the earliest opportunity, even before the close of the call.

User office

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Figure 2: Fig.1 Screenshot of Proposal Submission information page of H2FC

3 Promotion of 1st 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 sent out information about the opening of the first call. Additionally a leaflet were designed for promotion purposes:

SINTEF Norway
 Stationary and Fuel Cells for Power and Heat Generation
 Hydrogen Production & Distribution
<http://www.sintef.no/>

EMPA Switzerland
 Hydrogen Production & Distribution
<http://www.empa.ch/>

University of ULSTER UK
 Hydrogen and Fuel Cell Safety
www.ulster.ac.uk

ENEA Italian National agency for new technologies, Energy and sustainable economic development Italy
 Thermochemical Hydrogen Production Hydrogen Storage Hydrogen Refuelling PEMFC, MCFC, SOFC
www.enea.it

University of Pisa Italy
 Hydrogen Risks
www.unipi.it

Pro-Science Germany
 Hydrogen Safety Issues
www.pro-science.de

VTT Technician Center of Finland Finland
 Stationary and Fuel Cells for Power and Heat Generation
www.vtt.fi

Main contact:
Olaf Jedicke
 Phone: +49 721 6082 5274 - Fax: +49 721 6082 4777
 E-mail: olaf.jedicke@kit.edu

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

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

H₂FC European Infrastructure is an Integrating Activity funded by the European Commission under FP7 Capacities Programme Grant Agreement no. FP7-284522

"Integrating European Infrastructure to support science and development of Hydrogen - and Fuel Cell Technologies towards European Strategy for Sustainable, Competitive and Secure Energy" acronym H₂FC European Infrastructure, is a European Infrastructure Project funded by the European Commission within FP7-INFRASTRUCTURES-2011-1.
 It addresses the topic of INFRA-2011-1.1.16 "Research Infrastructures for H₂FC Facilities" and related energy-chains by combining Europe's leading R&D institutions of the hydrogen community together with those of the fuel cell community, covering the entire life-cycle of H₂FC, i.e. hydrogen production, storage, distribution and final use by fuel cells in a safe manner.
 The project is coordinated by Karlsruhe Institute for Technology (KIT), lasts 48 months - starting from the 1st November 2011 - and consists of 19 partners, collected from European's research centers, universities and industry.
 With a total cost of € 10.217.426,60, H₂FC is organized in 25 Work Packages, fully interrelated, devoted to networking, transnational access and joint research activities and oriented towards the resolution of identified bottlenecks.
 Main aim of the project is to integrate, for the first time in Europe, the European Hydrogen and Fuel Cell R&D community around rare and/or unique infrastructural elements.
 The greatest support to European's hydrogen and fuel cell community will be given through the transnational access activities of the project, while opening several different technical and experimental installations to external users.
 The user access will be announced by continuous calls through the H₂FC website.

KIT Karlsruher Institut fuer Technologie Germany
 Hydrogen Storage Materials Hydrogen Safety Issues SOFC Tests
<http://www.kit.edu/>

JRC European Commission The Netherlands
 Transportation and Refueling Infrastructure Cross-cutting issues
 Stationary and Fuel Cells for Power and Heat Generation
<http://ec.europa.eu/dgs/jrc/index.cfm>

Università degli Studi di Perugia Italy
 Stationary and Fuel Cells for Power and Heat Generation
 Material characterization by means of x-ray, neutron, light
www.unipg.it

Commissariat à l'énergie atomique et aux énergies alternatives France
 Stationary and Fuel Cells for Power and Heat Generation
 Hydrogen Production & Distribution Hydrogen Storage in Hydrides
 Hydrogen embrittlement under hydrogen gas pressure
<http://www.liten cea.fr/>

JÜLICH Germany
 Fuel Cells for stationary power and heat generation
<http://www.fz-juelich.de/>

BAM Bundesanstalt für Materialforschung und -prüfung Germany
 Sensors Materials Safety issues
www.bam.de

IFE Institute for Energy Technology Norway
 Materials characterization
<http://www.ife.no/>

Paul Scherrer Institut Switzerland
 Stationary and Fuel Cells for Power and Heat Generation
<http://www.psl.ch/>

tecnalia Spain
 Cross-cutting issues Materials Behaviour
www.tecnalia.com

HSE Health and Safety Executive UK
 Transportation and Refueling Infrastructure
<http://www.hse.gov.uk/>

National Centre for Scientific Research "Demokritos" Greece
 Hydrogen Storage
<http://www.demokritos.gr/>

NPL National Physical Laboratory UK
 PEMFC in situ measurement and modeling
 Electrochemical Characterization of fuel cell catalysts
 Measurement of hydrogen purity
<http://www.npl.co.uk/>

Figure 3: Leaflet for promotion of first call