

**Smart Specialisation workshop on Fuel Cells and Hydrogen,
22-23 April 2015, Lyon, France**

The workshop will be a unique occasion to exchange experiences between European regions and industry to find synergies in the deployment of fuel cells and hydrogen (FCH) technologies.

Context

The European Commission's Cohesion Policy aims to reduce differences between regions and to ensure growth across Europe. Structural Funds are among its main tools. Its efficient use and management is a crucial factor for many regions in Europe to overcome the economic crisis.

Smart Specialisation is a new innovation policy concept designed to promote the efficient and effective use of public investment in research. Its goal is to boost regional innovation in order to achieve economic growth and prosperity.

A Smart Specialisation Strategy needs to be built on a sound analysis of regional assets and technology. It should also include an analysis of potential partners in other regions. Smart Specialisation needs to be based on a strong partnership between businesses, public entities and knowledge institutions – such partnerships are recognised as essential for success.

Keynotes

Keynotes will introduce a specific topic. They will be based on the state of the art, concrete projects, developments existing in regions/cities/end users and relations between regions and industry. Their goal is to start facilitated discussions between participants.

Action Plan

The meeting will consist mostly in exchanges between participants in specific parallel sessions to discuss:

Each session will be introduced by two key note presentations, first from the point of view of a region that has concrete experience in the development of hydrogen projects, second on solutions proposed by industry.

Facilitated discussion between participants will then address the following topics, from a pragmatic and practical approach:

1. Interest of regions towards FCH technologies
2. Needs of regions to develop their projects
3. Industry proposed solutions
4. Possible joint actions
5. Support from the FCH-JU and TEN-T programs

Agenda

Wednesday, April 22	
<i>From 13:00</i>	<i>Registration – Networking coffee, refreshments</i>
13:30 – 15:10	<p>Welcome by the President of Rhône Alpes Region</p> <ul style="list-style-type: none"> • Jean Jack Queyranne <p>Round table: European regions specialisation and hydrogen technologies</p> <p>European Commission strategy towards fuel cells and hydrogen technology</p> <ul style="list-style-type: none"> • DG Energy – Tudor Constantinescu, Principal Advisor to Director General • DG MOVE – José Fernandez Garcia, Policy officer <p>Regional strategy towards sustainable mobility</p> <ul style="list-style-type: none"> • DG Regio, Gergana Miladinova/Colin Wolfe <p>Smart Specialisation in Europe</p> <ul style="list-style-type: none"> • Manuel Palazuelos Martinez, JRC/IPTS <p>The FCH JU and Smart Specialisation</p> <ul style="list-style-type: none"> • Bert De Colvenaer, Executive Director of FCH 2 JU <p>Presentation of parallel sessions</p> <ul style="list-style-type: none"> • Françoise Charbit, CEA
15:10 – 15:30	<i>Coffee break and networking</i>
15:30 – 17:30 <i>Parallel sessions</i>	<p>#1 Clean public transport, role of fuel cell buses</p> <ul style="list-style-type: none"> • Heinrich Klingenberg, hySOLUTIONS GmbH • Paul Jenne, Van Hool <p>Moderator: Nicolas Brahy, FCH 2 JU</p> <p>Facilitated discussion</p> <p>#2 Combination of renewable energies and hydrogen</p> <ul style="list-style-type: none"> • Barney Crockett, Aberdeen City Council and Chair of HyER (tbc) • Filip Smeets, General Manager On-Site Generation Hydrogenics <p>Moderator: Ingrid Milcent, Tenerrdis</p> <p>Facilitated discussion</p>
17:30 – 18:00	Closing session
18:00	<i>Networking cocktail</i>

Thursday, April 23	
8:00- 8:30	<i>Welcome coffee</i>
8:30- 9:30	<p>Presentation of FCH JU funded studies on:</p> <ul style="list-style-type: none"> • Commercialisation of FCH bus, Nicolas Brahy • FC CHP and distributed generation, Mirela Atanasiu •
9:30 - 10:30	<p>Conclusions of sessions #1 and #2 - Q&A</p> <p>Moderators: Nicolas Brahy and Ingrid Milcent</p>
10:30 – 11:00	<i>Coffee break</i>
11:00 - 13:00 <i>Parallel sessions</i>	<p>3. Regional initiatives towards cleaner mobility (public and private fleets, last mile delivery, etc.)</p> <ul style="list-style-type: none"> • Frank Koch, North Rhine-Westphalia (Germany) • Fabio Ferrari, SymbioFCcell <p>Moderator: Ales Gnamus, JRC/IPTS Facilitated discussion amongst participants</p> <p>4. Role of hydrogen in energy independence and security</p> <ul style="list-style-type: none"> • Mikael Kau, Cemtec - Northern Jutland (Denmark) • Lucas Bertrand, ITM Power <p>Moderator: Mirela Atanasiu, FCH 2 JU Facilitated discussion amongst participants</p>
13:00 - 14:00	<i>Lunch</i>
14:00 - 15:00	<p>Conclusions of sessions #3 and #4 - Q&A</p> <p>Ales Gnamus and Mirela Atanasiu</p>
15:00 – 15:30	<p>Closing and next steps</p> <ul style="list-style-type: none"> • Bert De Colvenaer, Executive Director of FCH 2 JU • Manuel Palazuelos Martinez, JRC/IPTS

GUIDELINES

Sessions

Sessions 1 and 3 – Transport pillar

Initiatives related to the deployment of fleets of buses or light duty vehicles or boats: motivations, key success factors of projects, difficulties, support from regional funds, how is perceived the S3 initiative.

Sessions 2 and 4 – Energy pillar

Motivations of energy providers or cities/regions or urban promoters having implemented hydrogen solutions for energy production/storage: availability of renewable resources, energy autonomy, recycling of wastes, buildings efficiency, etc. Key success factors of projects, difficulties, support from regional funds, how is perceived the S3 initiative.

Speakers from industry

They are expected to present concrete solutions to the needs of regions, lessons learned. What are the possible complementary skills along the supply chain of solutions, existing and missing skills in Europe to satisfy the demand of regions/cities/end users, specific assets developed in a specific region that should be known from others...

Deliverables

The main objectives is to identify possible actions to improve regional exchanges (both between public and private stakeholders), and find synergies between smart specialisation strategies and deployment of hydrogen technologies.

Sessions should then bring out conclusions: main motivations, main obstacles, pending questions, needs of stakeholders regarding hydrogen deployment in relationship with S3, possible actions, seen from groups to increase added value in Europe

Conclusions: 3 slides in Microsoft PowerPoint format