

STAKEHOLDER FORUM & PROGRAMME REVIEW DAYS



BRUSSELS, 14-16 NOVEMBER 2018

STAKEHOLDER FORUM

BRUSSELS, 16 NOVEMBER 2018

PROGRAMME REVIEW DAYS

BRUSSELS, 14, 15 NOVEMBER 2018

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PROGRAMME REVIEW DAYS 2018

FUEL CELLS AND HYDROGEN JOINT UNDERTAKING

14 - 15 NOVEMBER, BRUSSELS

WEDNESDAY, 14 NOVEMBER 2018

08:15 - 08:45 **Registration and coffee**

08:45 - 09:00 **Opening remarks by**

ATANASIU MIRELA, Head of Unit Operations & Communication FCH JU

SESSION TRIALS AND DEPLOYMENT OF FUEL CELL APPLICATIONS -TRANSPORT

Moderators: BOILLOT LIONEL, ROBERT STEINBERGER-WILCKENS

09:00 - 09:20 Portfolio overview by BOILLOT LIONEL, FCH JU

09:20 - 09:40 H2ME / H2ME2, Hydrogen Mobility Europe

09:40 - 10:00 SWARM, Demonstration of Small 4-Wheel fuel cell passenger vehicle Applications in Regional and Municipal transport

10:00 - 10:20 JIVE, Joint Initiative for hydrogen Vehicles across Europe

10:20 - 10:40 HyLIFT-EUROPE, Large scale demonstration of fuel cell powered material handling vehicles

10:40 - 11:00 Metering protocol for Hydrogen Refuelling Stations

11:00 - 11:30 **Coffee break**

SESSION TRIALS AND DEPLOYMENT OF FUEL CELL APPLICATIONS - ENERGY

Moderators: Aguiló Rullan Antonio, Aristide Massardo

11:30 - 11:50 Portfolio overview by AGUILO RULLAN ANTONIO, FCH JU

11:50 - 12:10 PACE, Pathway to a Competitive European FC mCHP market

12:10 - 12:30 AutoRE, Automotive derivative Energy system

12:30 - 12:50 CH2P, Cogeneration of Hydrogen and Power using solid oxide based system fed by methane rich gas

12:50 - 13:10 DEMCOPEM-2MW, Demonstration of a combined heat and power 2 MWe PEM fuel cell generator and integration into an existing chlorine production plant

13:10 - 13:30 CLEARGEN DEMO, The Integration and demonstration of Large Stationary Fuel Cell Systems for Distributed Generation

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13:30 - 14:30

Lunch break

14:30 - 14:50

SESSION SUPPORT FOR MARKET UPTAKE

Moderators: GARCIA HOMBRADOS ALBERTO, HUBERT A. GASTEIGER (tbc)

14:50 - 15:10

Portfolio overview by GARCIA HOMBRADOS ALBERTO, FCH JU

15:10 - 15:30

Overview of FCH JU Initiative with Regions and Cities

HyLAW, Identification of legal rules and administrative processes applicable to Fuel Cell and Hydrogen technologies' deployment, identification of legal barriers and advocacy towards their removal.

15:30 - 15:50

Study on value chain and manufacturing competitiveness analysis for hydrogen and fuel cells technologies

15:50 - 16:10

HySEA, Improving Hydrogen Safety for Energy Applications (HySEA) through pre-normative research on vented deflagrations

16:10 - 16:30

NET-TOOLS, Novel Education and Training Tools based on digital applications related to Hydrogen and Fuel Cell

16:30 - 16:50

Guarantees of Origin, Developing a European Framework for the generation of guarantees of origin for green hydrogen

16:50 - 18:30

Poster Session and Pitching Event (Cocktails and appetizers)

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FUEL CELLS AND HYDROGEN JOINT UNDERTAKING

14 - 15 NOVEMBER, BRUSSELS

THURSDAY, 15 NOVEMBER 2018

08:30 - 09:00 **Registration and coffee**

SESSION **NEXT GENERATION OF PRODUCTS - TRANSPORT**

Moderators: CALOPRISCO PIETRO, DARIA E. VLADIKOVA

- 09:00 - 09:20 Portfolio overview by CALOPRISCO PIETRO, FCH JU
- 09:20 - 09:40 MARANDA, Marine application of a new fuel cell powertrain validated in demanding arctic conditions
- 09:40 - 10:00 HYCARUS, Hydrogen Cells For Airborne Usage
- 10:00 - 10:20 COSMHYC, Combined hybrid Solution of Multiple Hydrogen Compressors for decentralised energy storage and refuelling stations
- 10:20 - 10:40 VOLUMETRIQ, Volume Manufacturing of PEM FC Stacks for Transportation and In-line Quality Assurance
- 10:40 - 11:00 DIGIMAN, Digital Materials Characterisation proof-of-process auto assembly

11:00 - 11:30 **Coffee break**

SESSION **NEXT GENERATION OF PRODUCTS - ENERGY**

Moderators: TSIMIS DIONISIS, JULIE MOUGIN

- 11:30 - 11:50 Portfolio overview by Tsimis Dionisis, FCH JU
- 11:50 - 12:10 HEALTH-CODE, Real operation per fuel cells HEALTH-state monitoring and diagnosis based on dc-dc Converter embedded.
- 12:10 - 12:30 HEATSTACK, Production Ready Heat Exchangers and Fuel Cell Stacks for Fuel Cell mCHP
- 12:30 - 12:50 CELL3DITOR, Cost-effective and flexible 3D printed SOFC stacks for commercial applications
- 12:50 - 13:10 qSOFC, Automated mass-manufacturing and quality assurance of Solid Oxide Fuel Cell stacks
- 13:10 - 13:30 INNO -SOFC, Development of innovative 50 kW SOFC system and related value chain



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13:30 - 14:30

Lunch break

SESSION HYDROGEN FOR SECTORIAL INTEGRATION

Moderators: LYMPEROPOULOS NIKOLAOS, MARCELLO BARICCO

14:30 - 14:50

Portfolio overview by Lympelopoulos Nikolaos, FCH JU

14:50 - 15:10

HPEM2GAS, High Performance PEM Electrolyser for Cost-effective Grid Balancing Applications

15:10 - 15:30

INSIDE, In-situ Diagnostics in Water Electrolysers

15:30 - 15:50

GrinHy, Green Industrial Hydrogen via Reversible High-Temperature Electrolysis

15:50 - 16:10

MEGASTACK / REFHYNE, Stack design for a Megawatt scale PEM electrolyser.

16:10 - 16:30

H2Future, Hydrogen Meeting Future Needs Of Low Carbon Manufacturing Value Chains

16:30 - 16:50

BIG HIT, Building Innovative Green Hydrogen systems in an Isolated Territory: a pilot for Europe

16:50 - 17:00

Closing remarks by

BIEBUYCK BART, Executive Director FCH JU

POSTER MAP

SESSION 1 TRIALS AND DEPLOYMENT OF FUEL CELL APPLICATION - TRANSPORT

3EMOTION
H2ME
HAWL
HIGH V.LO-CITY
HYFIVE
HYLIFT-EUROPE
HYTRANSIT
JIVE
SWARM
H2ME 2

SESSION 2 NEXT GENERATION OF PRODUCTS - TRANSPORT

AUTO-STACK CORE
COBRA
COSMHYC
DIGIMAN
Fit-4-AMandA
H2REF
HYCARUS
INLINE
INN-BALANCE
INSPIRE
MARANDA
NANO-CAT
SMARTCAT
VOLUMETRIQ
COMPASS
Giantleap

SESSION 3 TRIALS AND DEPLOYMENT OF FUEL CELL APPLICATION - ENERGY

ALKAMMONIA
AUTORE
CH2P
CLEARGEN DEMO
D2SERVICE
DEMCOPEM-2MW
DEMOSOFC
ENE.FIELD
ONSITE
PACE
PEMBEYOND
POWER-UP
STAGE-SOFC

SESSION 4 NEXT GENERATION OF PRODUCTS - ENERGY

Cell3Ditor
DIAMOND
ENDURANCE
FLUIDCELL
HEALTH-CODE
HEATSTACK
INSIGHT
MATISSE
NELLHI
PROSOFC
qSOFC
SCORED 2:0
SECOND ACT
SOSLeM
INNO-SOFC

SESSION 5 HYDROGEN FOR SECTORIAL INTEGRATION

BIG HIT
BIONICO
BIOROBUR
DON QUICHOTE
ECo
EDEN
ELECTRA
ELY4OFF
ELYntegration
GrInHy
HELMETH
HPEM2GAS
HyBalance
HYDROSOL-PLANT
HyGrid
HYTRANSFER
INSIDE
MEGASTACK
NOVEL
PECDEMO
SElySOs
SOL2HY2
SOPHIA

SESSION 6 SUPPORT FOR MARKET UPTAKE

HYACINTH
HYCORA
HyLAW
HYPACTOR
HySEA
HYTECHCYCLING
KNOWHY
NET-Tools
SOCTESQA



PRACTICAL INFO

The 11th edition of the Stakeholder Forum will take place on Friday 16 November 2018.

Venue: Charlemagne building Rue de la Loi 170, 1000 Brussels, Belgium.

Conference visitors must register on- line before 30/10/2018.

PUBLIC TRANSPORT:

Metro stop: Schuman (Metro 1, 5)

NEARBY HOTELS (NO PREFERENTIAL RATES)

Hotel Chelton, 48 Rue Véronèse, 1000 Brussels, Belgium.

Hotel Martin's Brussels EU, 80 Boulevard Charlemagne, 1000 Brussels, Belgium

Hotel NH Brussels EU Berlaymont, Karel de Grotelaan 11/19, 1000 Brussels, Belgium