



HYDRAITE – Hydrogen Delivery Risk Assessment and Impurity Tolerance Evaluation Grant agreement no: 779475

D1.1 Kick off meeting and minutes

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Confidentiality: Public

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FCH JU Project officer Alberto García Hombrados	Grant agreement no: 779475
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<p>Summary</p> <p>Minutes of the kick off meeting of HYDRAITE, held at VTT in Espoo (Finland) 25-26 January 2018.</p>	
Confidentiality	Public



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1. HYDRAITE kick off meeting

Time: Thursday 25th and Friday 26th of January 2018

Place: Meeting room Kabinetti
VTT, Biologinkuja 5, Espoo, Finland

Hosts:

Jaana Viitakangas, jaana.viitakangas@vtt.fi

Jari Ihonen, jari.ihonen@vtt.fi

1.1 Participant list

Name	Organization
Jaana Viitakangas	VTT
Jari Ihonen	"
Pauli Koski	"
Sonja Auvinen	"
Saara Tuurala	"
Kirsi Rantala	"
Thor Aarhaug	SINTEF
Alejandro Oyarce Barnett	"
Sylvie Escibano	CEA
Gareth Hinds	NPL
Thomas Bacquart	"
Luis Castanheira	"
Christian Spitta	ZBT
Ulrich Misz	"
Thomas Optenhostert	"
Alexander Kabza	ZSW
Thomas Tingelöf	Powercell
Alberto García Hombrados	FCH JU
Nora Ovcharova	FCH JU

1.2 Thursday 25th - General project issues

12:00 Lunch

A delicious light lunch was served for those arriving early enough and/or participating WS in the morning.

13:05 Welcome and introduction to project

Coordinator, Jaana Viitakangas (VTT) opened the meeting and welcomed all the participants to the HYDRAITE to kick-off meeting. Overall objectives, structure, reporting, deliverables and milestones of the project were presented.

14:00 Short partner introductions

A short introduction of all the participants. Partners of the project presented their organization.

15:00 Coffee break

15:15 Project Officer's and Financial Officer's presentations

Alberto García Hombrados and Nora Ovcharova (FCH JU) presented general aspects of the FCH JU, partners' responsibilities and financial aspects.

16:00 General management aspects (Jaana Viitakangas and Kirsi Rantala, VTT)

Jaana Viitakangas discussed general management aspects of the project. PMC was introduced, frequency of project meetings decided, the state of consortium agreement presented and project workspace briefly discussed. Kirsi Rantala (VTT) presented the overall budget of pre-financing, considering also 4% payment for FCH JU project contribution.

17:30 Tour at VTT PEMFC laboratories

The fuel cell laboratories of VTT were introduced to the meeting participants.

18:30 Networking dinner

1.3 Friday 26th - Technical planning

9:00 Work package overview, objectives and specific planning for the first 12 mo

The second day of the meeting was dedicated to further planning of the technical work packages, addressing most carefully the first 6 months of the project.

Measurement data management & practices

Alexander Kabza (ZSW) held a presentation of measurement data management, based on the results of former FCH JU project Stack-Test. Based on presented, a fuel cell measurement data management and practices of HYDRAITE project will be later circulated by Jari Ihonen among all the partners for further commenting.

WP2

Jari Ihonen (VTT) gave an introduction to the work package 2 work. For the first 12 months, much of the planning has been already made during the preparation phase. This plan will be followed. Jari reminded also that a reallocation of budget can be made if needed (according to the performed fc measurement work).

The maximum short-term current and possible MEA options for HYDRAITE S2 stacks were discussed. The choice of MEAs for the project stacks need to be done as soon as possible, in order Powercell to be able to deliver the stacks for the partners.

WP3

Work package 3 was presented by Thor Aarhaug (SINTEF). Thor reminded that samplings need to be planned carefully in order to get any evidence of what could possibly be the out-coming impurities from HRS components, operation and maintenance. He also pointed out

that in HyCoRA samples, generally a very clean hydrogen was analysed. The initial plan is to do the first sampling when all the participating partners present. Until M18, the sampling strategy from HyCoRA project will be applied. Different sampling strategies need to be evaluated, co-operation outside the project consortium to be exploited. Utilization of vehicles for a sink (sinks) of sampling was discussed.

There is a target of 30 samples in HYDRAITE, and all samples to be analysed by all the partners. Possibilities for online monitoring were discussed. It was also reminded, that public sampling is not always easy to arrange, and discussions with possible HRS operators should be initiated already.

WP4

Thomas Bacquart (NPL) held a presentation about work package 4, which is focused on establishing three European laboratories capable of measuring all of the contaminants according ISO standards and to set a network of expert laboratories able to provide qualitative analysis for the new compounds with potential negative effect.

Thomas reminded that for both, WP3 and WP4 work, sampling cylinders are needed to be chosen. Thomas also initiated the discussion about which compounds should be investigated beyond ISO 14687. There is a need for input to this task from industry and a need of a formation of an initial list before the summer in order to consider the analysis capabilities of each HYDRAITE laboratories by the end of first year.

WP5

Christian Spitta (ZBT) presented work package 5 overview and activities of the first year of the project. The work is starting with literature survey. However, it was noted that there is not much information publicly available. Thereby input from the consortium is required and industrial parties need to be contacted directly.

12:00 Lunch

WP6

Dissemination and communication activities, WP 6, was presented by Sylvie Escribano (CEA). Sylvie presented a logo and presentation layout proposals for the project consortium, which in general were appreciated and accepted by the consortium, with small changes. Thor shared the experience with SDOs in HyCoRA project, which was that participating in technical committees of ISO was very fruitful in HyCoRA, and thereby to be continued in HYDRAITE.

Alexander presented a draft version of 1st OEM WS agenda, which was further discussed. Comments and further proposals ask to be send by email.

13:45 Summary of actions, summary of project meeting scheduling, other remaining general management issues

Jaana Viitakangas concluded briefly, what was agreed during the meeting day.

14:00 End of meeting