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## **Waterstof Industrie Cluster: Minutes meeting 03/06/2020 (Digital meeting)**

### **Present:**

Koen Christianen (ABC),  
Nick Valckx (Agfa),  
Christian Nachtergaele – Steve Sol (Air Liquide),  
Roger De Vos (Atlas Copco),  
Wouter Koster (Ballast Nedam Industriebouw),  
Gert Nelissen (Borit),  
Roy Campe (CMB),  
Ludo Sweron - Jonas Cautaearts - Simon Van Damme (Colruyt),  
Luc D'hondt (Delhaize),  
Filip Van Den Borre (Dpt. Omgeving Vlaanderen),  
Koen Vlaeminck-Daniel Marenne (Engie),  
Ben Cornelis (E-trucks),  
Bart De Borle (Farys),  
Vincent Van Caeyezeele (Fluvius),  
Leander Hanegreefs (Fluxys),  
Geert Uytterhoeven (Gascomponenten),  
Baudoin de Lannoy (Hydrogenics),  
Jan Rongé (KUL-Cokkat),  
Paul Schroé (MBZ),  
Benjamin Huybs (Nike),  
Steven Keyzer - Filip Van Den Abeele- Marc Vanderschueren (OCAS),  
Saša Marinić (Pitpoint),  
Axel Seifert (Plastic Omnium),  
Koen Van Den Brande (Polders Investeringsfonds)  
Rob Cornelissen (POM Limburg),  
Guido De Roo (POM West-Vl.),  
Didier van Osselaer (Port of Antwerp),  
Dirk Abel (Renewi),  
Frank Taelman-Wim Van Den Mosselaer (Siemens),  
Sven Duchatelet (Solenco Power),  
Bart Van Renterghem (Storm)  
Ard-Jan Verpaalen (Suez),  
Philippe Quenon - Yannick Sijssens (Tessenderlo Group),  
Dimitri Vanden Borre (Tractebel)  
Marcel Meeus (Umicore),  
Lynn Eyckmans - Sofie Marivoet (de Vlaamse Waterweg),  
Jozef Ghijsselen (VLAIO) ,  
Peter Simkens (Von Karman Institute),  
Yannick Van den Broeck - Isabel François- Adwin Martens – Jan Vliegen (WaterstofNet).

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### **Agenda:**

10.00 AM: ETS-IF by Grzegorz Pawelec (Hydrogen Europe)

10.30 AM: Status HRS Flanders by Jonas Cautaerts (DATS 24)

10.45 AM: News from the cluster/WaterstofNet

11.15 AM: Power to Methanol project Port of Antwerp by Didier Van Osselaer

11.30 AM: Question round

### **Discussion:**

#### **@ ETS-IF (Grzegorz Pawelec - Hydrogen Europe)**

Grzegorz gives a presentation about the timing, the selection criteria and the amount of funding in the ETS-Innovation Fund program. The first call opens at the end of June/July. Up to 60% of the relevant costs can be funded.

A map is shown with all hydrogen projects that have been submitted to Hydrogen Europe by their members. There is no project submitted in Belgium yet.

Questions from the group:

- Has a carbon price to be included in the cost gap calculations? Yes, take an estimated CO<sub>2</sub> price into account
- How is green hydrogen defined in the GHG reduction calculation? Do we have to take the “additionality criterium” (REDII) into account? No, since last Monday it is decided that the additionality criterium does not count for these innovative projects; one can claim that 100% of the electricity is green.

#### **@ Status HRS Flanders (Jonas Cautaerts-DATS 24)**

Locations and planning of the six hydrogen refuelling stations that are already open (Halle) or planned (permitting process finalised) are given. All stations will be realised before October 2021. One of the stations will produce hydrogen on-site, for the other stations the hydrogen will be trucked-in. The idea is that the hydrogen will be supplied from the Zeebrugge plant once this plant has been realised (cfr. Hyoffwind project Colruyt/Fluxys/Parkwind).

Most important task is now to increase the demand for these refuelling stations, in order to create a sustainable case.

Colruyt launches a call (personal communication of CEO Jef Colruyt) to the cluster members, being companies that have committed themselves to push forward the H<sub>2</sub> economy, to consider buying or leasing vehicles that can be fuelled with these new HRS. This way we can make these refuelling stations successful and realise a step forward in hydrogen mobility.

#### **@ Cluster news (Yannick Van Den Broeck- WaterstofNet)**

The cluster website has been updated. All cluster members are asked to register.

WaterstofNet (in name of the cluster) will write a strategy document on hydrogen, to be ready around October 2020. Input from the cluster members will be asked for this document in order to present a bottom-up vision/plan on hydrogen to our Flemish/Belgian authorities.

The events for 2020 are presented (Conference, workshop on permitting, Hydrogen academy, Visit to Groningen). All depends on Corona....

**@ Power-to-methanol project** (Didier Van Osselaer, Port of Antwerp)

Didier presents the timing and the partnership of the power-to-methanol project.

The installation, that will produce 8kT of methanol per year, will be built at the Innovyn site at Lillo; commissioning is planned in 2023.

The hydrogen will be partly from electrolysis and partly from byproduct sources.

The main demonstration drivers are “learning by doing”, showing how energy market flexibility can improve the economic feasibility and last but not least demonstrate how CCU can be a way forward to a climate neutral future.

The CO<sub>2</sub> used in the process will be recycled from local emissions in the port. On longer term, at future scaling up of this technology, the belief is that direct air capture will be the way to go.

**Important dates**

- Hydrogen Academy: 12/10, 19/10, 26/10, 9/11 and 16/11 (digital if it would be required because of Corona)
- Visit to Groningen: 24-25/9
- Next cluster meeting: 16/09 @ABC (Gent)
- Last cluster meeting of 2020:
  - **18/11 (Changed due to conference at 7/12)**
- Conference on December 7 (Mechelen, tbc)

Isabel François, June 3, 2020