



European Clean Hydrogen Alliance

All Members' Meeting, 30 September 2021

European Clean Hydrogen Alliance: Update

- Alliance now counting 1507 members (30 September 2021)
- Work of six Alliance roundtables focussing on:
 - Preparing reports on barriers to the large-scale rollout of hydrogen projects and proposing mitigation measures (to be presented later today)
 - Presentations of the Commission FitFor55 package
 - Project financing / bankability workshops
 - Workshops identifying R&D gaps and priorities
- 30 November: Hydrogen Forum

Second series of match-making sessions (1/3)

- Objective:
 - Unite Alliance members around themes of common interest
 - Facilitate the creation of a European hydrogen economy through the promotion of project clusters and integrated supply chains
- In addition to Alliance platform providing opportunity for match-making meetings for members: so far over 500 1:1 meetings held. Request, confirm and hold meetings on <https://european-hydrogen-forum-2021.b2match.io/>
- First series of thematic match-making sessions in June/July: 109 sessions held with 974 participants
- Now launching second series: open to registrations on Alliance B2Match platform

Second series of match-making sessions (2/3)

Date	Subject	Facilitator
12.10.2021	Underground hydrogen storage: technologies & solutions	WindEurope
12.10.2021	Local hydrogen production for combined small industrial and heat use	WindEurope
12.10.2021	Deploying large renewable capacities for hydrogen production	SolarPowerEurope
19.10.2021	Building a hydrogen cluster in a port	ENTSOG
19.10.2021	Building a hydrogen cluster by connecting planned supply and demand	ENTSOG
26.10.2021 (tbc)	Building a hydrogen cluster along a local pipeline: REH2 project	Teréga
26.10.2021	Hydrogen for decentralised system-integrated use with buildings as hub	EHI
26.10.2021	Deployment of heavy-duty hydrogen fleets	ACEA
26.10.2021	Development & manufacturing of hydrogen drivetrains for trains	MOVE

Second series of match-making sessions (3/3)

Date	Subject	Facilitator
2.11.2021	Hydrogen supply to buildings at regional/city level projects	EHI
2.11.2021	Building a hydrogen cluster along a local pipeline: project example	Gasunie
2.11.2021	Ports & renewable hydrogen: Rotterdam port project	Uniper SE
9.11.2021	Hydrogen application in chemical industries	Cefic
9.11.2021	Hydrogen storage tanks materials & manufacturing	Plastic Omnium
9.11.2021	Building and operating hydrogen refuelling infrastructure	ACEA
16.11.2021	Power to liquid fuels: hydrogen in refineries	Cefic
16.11.2021	Development & manufacturing of hydrogen drivetrains for heavy duty vehicles	ACEA

Preparing the Alliance Project Pipeline (1/5)

- Key deliverable of Alliance: Building a pipeline of viable investment projects for the large-scale deployment of clean hydrogen
- Objective:
 - Provide an overview of ongoing or planned hydrogen projects
 - Promote the emergence of a European hydrogen industry (e.g. by enabling networking and match-making)
 - Profile projects and giving them visibility including with potential investors
- Target: Present project pipeline at the November Hydrogen Forum

Preparing the Alliance Project Pipeline (2/5)

- Ongoing assessment by the Commission of the 1052 projects collected against eligibility criteria:
 - Project within scope of Alliance (membership; geographic)
 - Project deployment before end-2030
 - For hydrogen production projects: compliance with the life-cycle GHG emissions savings requirement of 73.4% for hydrogen (resulting in 3tCO₂eq/tH₂) and 70% for hydrogen-based synthetic fuels (EU Taxonomy Climate Delegated Act)
 - Minimum size: industrial application 100 tH₂/a; mobility applications 70 tH₂/a
- If project promoters have not heard from the Commission: so far no questions or concerns about their project meeting the eligibility criteria (but assessment against above criteria not yet completed).

Preparing the Alliance Project Pipeline (3/5)

- Are now proceeding to verification of minimum project size requirements:
 - Project promoters of industrial application projects and mobility applications projects will be contacted by Commission if they have not provided information on project size or in case of concerns they may not meet the thresholds. Important to provide information: if project promoter cannot show compliance with criteria, project will not feature in pipeline.
- Opportunity in next weeks to update selected key project information:
 - Identification of project promoter and project (including contacts)
 - Project archetype (category/type of project identified upon project submission)
 - Project location (region)
 - Project partners
 - Project combinations/mergers or termination

Preparing the Alliance Project Pipeline (4/5)

- Publication of the pipeline: public document consisting of a list of individual projects
- List featuring for each project (mandatory minimum information):
 - Name of project promoter (e.g. company)
 - Name of project
 - Project archetype (i.e. category/type of project identified upon project submission)
 - Project location (geographic region within a state where this information was provided; where no information on project location provided: location of stakeholder that submitted the project)

Preparing the Alliance Project Pipeline (5/5)

- Publication of this information requires explicit written consent by each project promoter.
 - Project promoters to receive email from Commission in coming days.
 - Important to respond to email: in absence of written confirmation that above basic project information can be published, project cannot be included in pipeline.
 - Where project promoters already agreed to publish information when submitting their projects, no further written consent is required.
- Optional additional information:
 - Project promoters may in addition agree that information on project size and on the expected year of start of project operation is published alongside the above-mentioned mandatory minimum information (and in that case may want to provide this information as part of the update referred to above).

Hydrogen Forum

- Date: 30 November 2021
- Part of a Hydrogen Week organised by the European Commission
- Online event for all Alliance members (event not public)
- Agenda:
 - Alliance project pipeline: presentation & discussion
 - Discussion of regulatory and policy developments
 - Focus on project financing / bankability

Thank you



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