

HONDA



HYUNDAI



DAIMLER



TOYOTA



**Hydrogen
Europe**

MC Formula: it's implementation and validation process

Online Workshop organized by

Hydrogen Europe and the OEM group of the CEP - 17/01/2021

Schedule

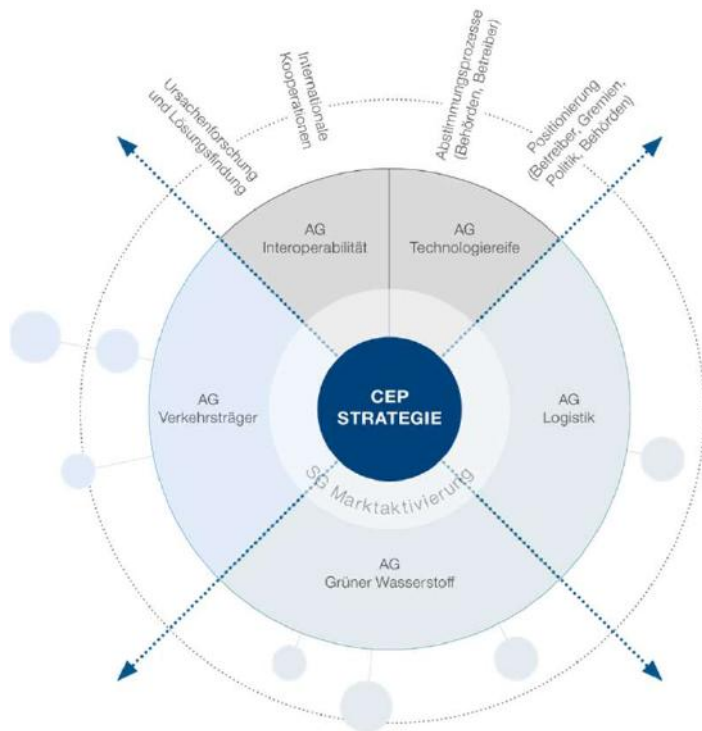
Top	Time	Topic	Speaker
1	15:30 – 15:35	Welcome	Nicolas Brahy (Hydrogen Europe) & T. Brachmann (CEP/Honda R&D Europe)
2	15:35 – 16:20	MC Formula - it's implementation and validation process	Steven Mathison (NREL) & Spencer Quong (Quong Associates, Inc.)
3	16:20 – 16:25	Q&A	
4	16:25 – 16:40	Experiences and advantages while using MC Formula	Ghassan Sleiman (First Element)
5	16:40 – 16:45	Q&A	
	16:45 – 17:00	<i>BREAK</i>	...
6	17:00 – 17:30	Parallel session 1: MC Formula in more technical details Parallel session 2: Validation process Parallel session 3: Practical experiences with the MC Formula	Steven Mathison (NREL) Spencer Quong (Quong Associates, Inc.) Ghassan Sleiman (First Element) & Joe Cohen (Air Products)
7	17:30 – 17:35	Wrap Up	CEP
8	17:40 – 18:00	Q&A	All
9	18:00	Closing Words	Nicolas Brahy (Hydrogen Europe)

Clean Energy Partnership

Hydrogen and Fuel Cell Industry Partnership to activate hydrogen and fuel cell mobility in the market



Partner expertise



FOCUS AREAS

- Deployment of HRS-infrastructure 700 bar
- Interoperability of HRS and vehicles
- Passenger Car Fleet
- Public transport and distribution/delivery
- Cooperation with authorities
- International information exchange
- Regulation, Codes & Standards

EXTENDED FOCUS AREAS

- Technology Readiness Level Infrastructure (R&D)
- Production of green hydrogen
- Hydrogen Mobility New Modes of Transport
- Standardisation/Technology/Specifications
- H₂-Logistic
- Operation concepts and business models
- Interface to energy transition

TECHNOLOGY ADVANCEMENT



Definition of Green Hydrogen



Definition of new re-fueling protocols for new modes of transport



Performance optimization of HRS technologies



Implementation of R&D Projects

BUSINESS CASES



Hydrogen in the economical environment



Strategy development for increased production of green Hydrogen



Definition and alignment of future requirements towards HRS



Development and Implementation of overarching transport sector strategies

MARKET DEVELOPMENT



SAE- and ISO- interface (build-up and fostering of relationships)



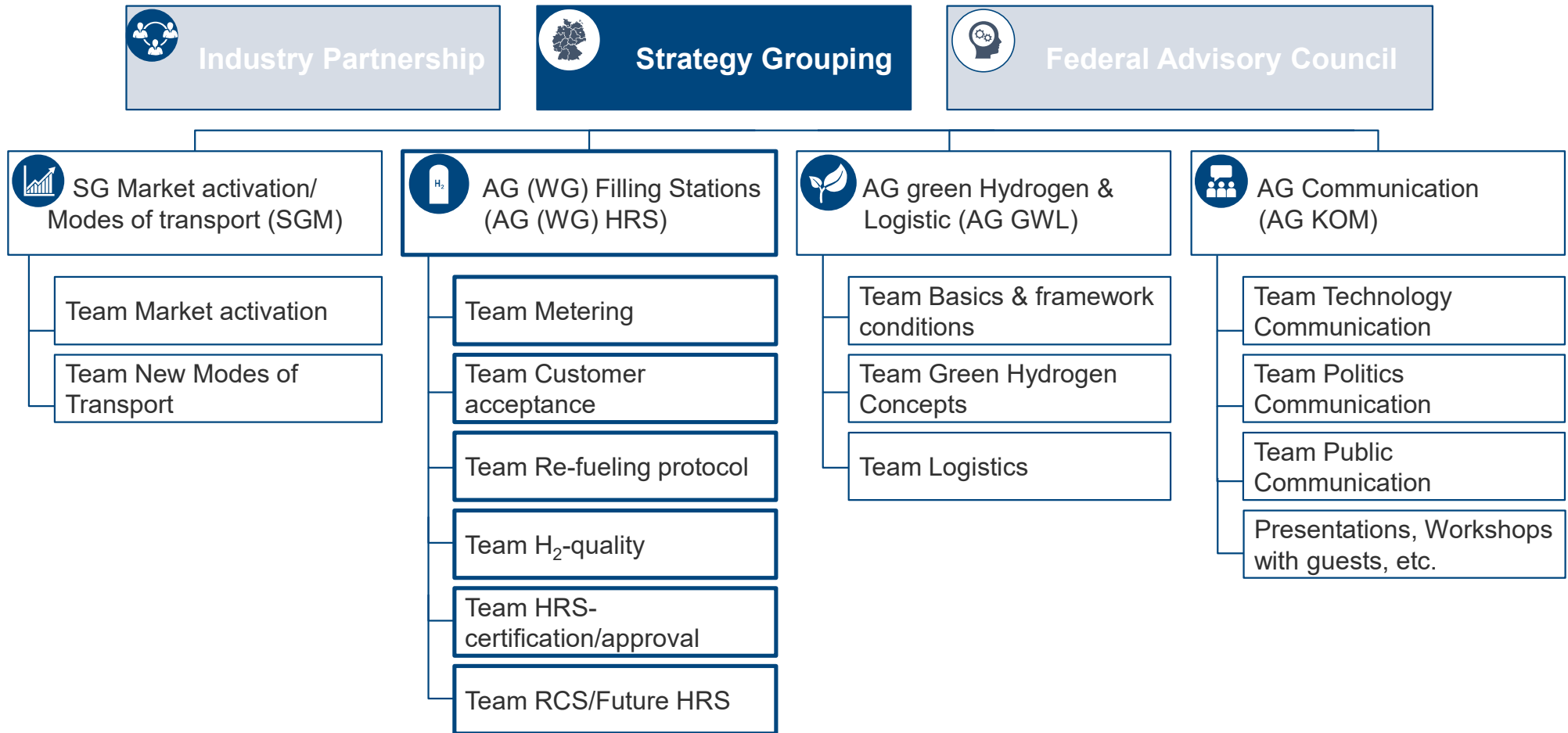
Definition of common standards for parts obeying compliance rules



Harmonisation of HRS-deployment, Fleet build-up and & expansion, Hydrogen production ramp up



Evaluation of cost cutting potentials



Practicalities

- All participant microphones are muted to keep the audio clear.
- Please use Q&A box if you have any questions to the speakers.
- The video recording and presentation will be sent to all participants by email next week.



Main session

Sub-session 1

No need to change
the room

Sub-session 2

Registration needed
- link to join in your
mailbox

Sub-session 3

Registration needed
- link to join in your
mailbox

To come back, use the link to the
main session

Q&A and wrap up