



CertifHy™ road from GO to RFNBO certification

**AEA – Establishing the market for low-emission ammonia:
Connecting the customer, from first movers to global adoption**

New Orleans - November 2024





INTRODUCING MYSELF



Wouter VANHOUDT
Head of Global Bus Dev & Marketing

Master in Commercial Engineering
Business Informatics & Master of Finance
Vlerick Management School.

Project Coordinator for European
Commission supported Standard on
Green H2 Certification: CertifHy

Ex-Chair and ex-Board of AIB Gas
Scheme Group.

Spokesperson Hydrogen Europe – WG
Industry

International experience, incl 1 year in
China and 3 year in Middle East.
20+ years work experience. Belgian
native. Trilingual: Dutch-English-French.
Based in Brussels

CEN CENELEC – JTC 6 liaison



Coordinator 2014-2022



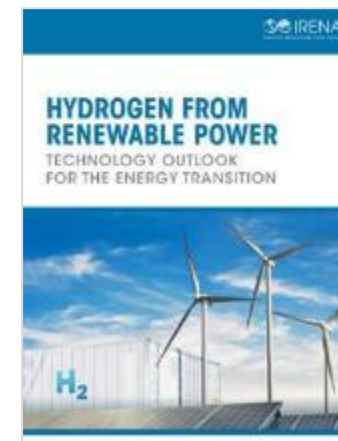
Chair Gas Scheme Group & Board Member
2020-2022



Spokesperson WG Industry



2020



2018



2017



2020

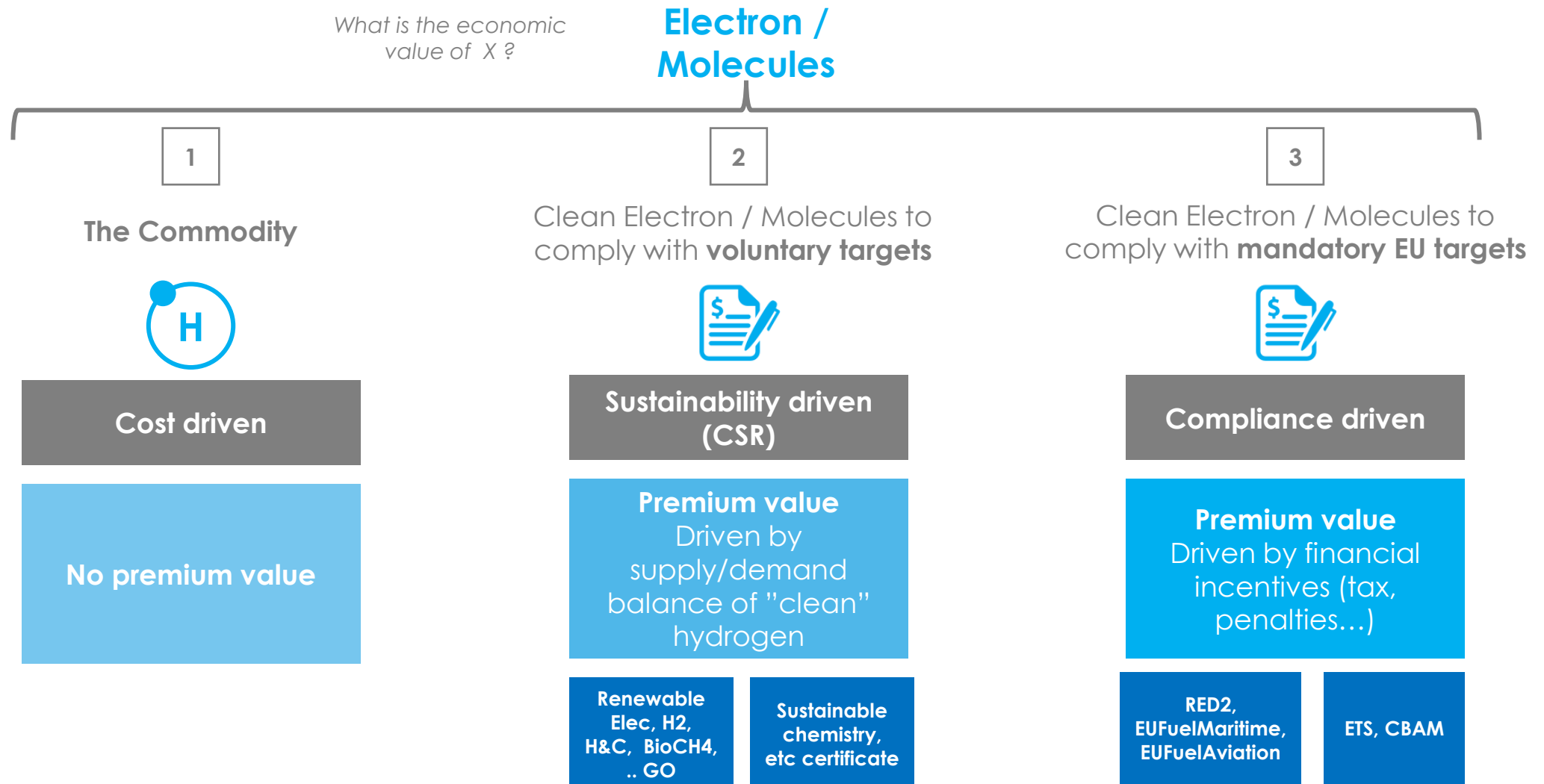


2018



2016

Markets attribute premium value to clean electrons / molecules allowing companies to meet their voluntary or regulatory targets



Main difference between CSR and Compliance certification schemes



	Sustainability driven (CSR)		Compliance driven	
	Guarantee of Origin (GO)	“other than GO”	RED2, FuelEU Maritime, ReFuelEU Aviation	ETS, CBAM
Applicable Law	RED2/3 Art19	Consumer protection laws: “thou shall not lie”	RED 2/3 Art 20-30	ETS (MRV IV)
Product	(RE, LC as option) Electricity, bioCH ₄ , Heating&Cooling, H ₂	(e.g. Voluntary Carbon Markets, Sustainable Chemistry Labels, ..)	PtX: RFNBO compliant H ₂ , NH ₃ , MeOH, CH ₄ , LOHC	Any GHG
Certificate Issuer	Member State for GO Produced and Consumed within its territory. Voluntary Schemes for Non-Governmental Certificates (NGC).	Scheme developer, Certification Body, ...	Ec. Operator itself (once certified), WORLDWIDE for import to EU	Reported
Chain of Custody	Book&Claim		Mass Balance	e.g. iRECS not recognized for CBAM
GHG	If, then Well to Gate, CEN Standard (ISO based) not agreed yet. Need for Residual Mix & Disclosure		Well-to-Grave, RED2 Delegated Act Methodology	Gate-to-Gate (with exceptions like Urea) + Upstream Elec Emissions, ETS method

National governance of the GO system

Overview of key stakeholders' roles & responsibilities

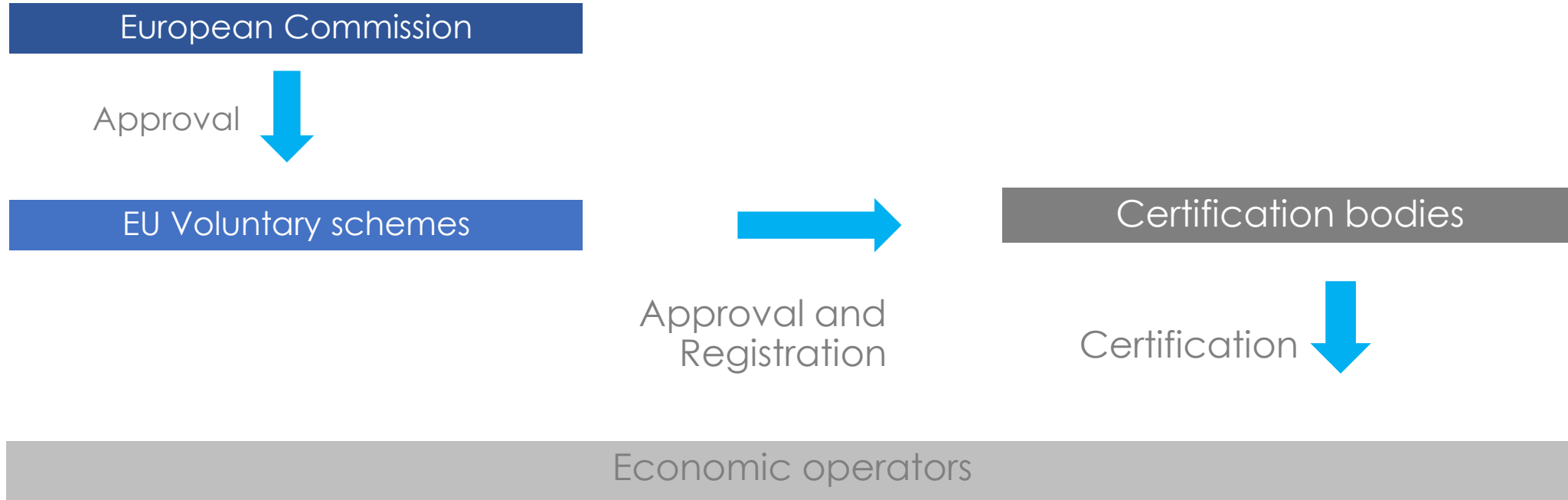


Often combined

Stakeholder	Definition	Roles & responsibilities	Appointed by
Competent Authority	In relation to the exercise or discharge of any legislative, governmental, regulatory or administrative function, the body duly authorised under the laws and regulations of the EU to exercise or discharge that function	Managing entity. Governance	n/a
Production registrar	Entity responsible for a Production Devices, the registration is based on an auditor assessment.	Registration of Production Devices, CO2 emissions allocation	Competent Authority
Issuing Body	Entity responsible for registering entities and for issuing GOs	GO issuance	Competent Authority
Registry operator	Entity appointed by the Competent Authority and/or Issuing Body to operate and maintain the registry	Registration transactions	Issuing Body
Certification Body / Auditor	Entity entitled to act as an environmental verifier or environmental verification organization	Certification of Production Devices & GO compliance	Competent Authority and / or Issuing Body
(International) Accreditation body	Entity accepted by the Competent Authority to assess and accredit the Certification Body)	Accredits Certification Body (e.g. for ISO 14xxx or 17xxxx)	Member State

EU governance of RFNBO Certification system

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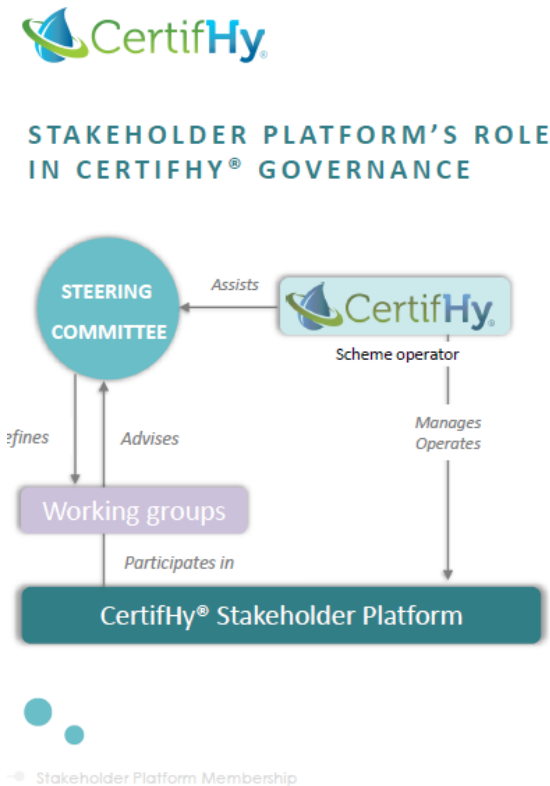
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- ▶ Critical Decisions to be made ?
 - ▶ Composition of Steering Committee
 - ▶ Organisation of Working Groups
 - ▶ “other” Sustainable Criteria
 - ▶ Q&A of Delegated Acts

- ▶ How can AEA members contribute?

- ▶ Steps to ensure inter-operability:
 - ▶ CertifHy™ strategic choice to work on GOs and RFNBO, and likely CBAM to come
 - ▶ Regulation does not allow inter-operability outside of EU (yet)



CERTIFHY® STEERING COMMITTEE

Producers and processors	Users, Processors
<p>Imane Benmedakhene Senior Strategy Advisor Renewables and Hydrogen TotalEnergies</p> <p>Dr.-Ing Timo Eickelkamp Sr. Commercial Project Manager Hydrogen Department RWE Generation SE</p> <p>Johanna Friese Certification specialist Tree Energy Solutions (TES)</p> <p>Rose De Lannoy Public Affairs Manager ENGIE Hydrogen</p> <p>Alexandru FLORISTEAN ESG Regulatory and Policy Hy24 Partners</p>	<p>Agnes Dudek Director Product management Regulatory Affairs YARA</p> <p>Dirk Focroul Product Manager Green Gas Fluxys</p> <p>Dr. Maximilian Kuhn Advisor Regulations, Codes Standards Hydrogen Europe</p> <p>Tom Strengers Policy and Sustainability Manager SkyNRG</p> <p>Zuzana Vrbova Strategist ACT Commodities</p>
NGOs, Research	
<p>Ioan Iordache Sr. Researcher PhD ICMET Craiova</p> <p>Sausan al Rayimi Director Oman Hydrogen Center</p>	<p>Phil Moody Chairman EnergyTag</p> <p>Timo Bollerhey CEO H2Global / Hintco Gmbh</p> <p>Mikaa Blugeon-Mered Analyst, Author and lecturer Hydrogen geopolitics Mohammed VI Polytechnic Uni.</p>

[CertifHy™ Stakeholder platform and Working groups registration](#)

Contact

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Q&A