



An initiative funded by the Clean  
Hydrogen Partnership



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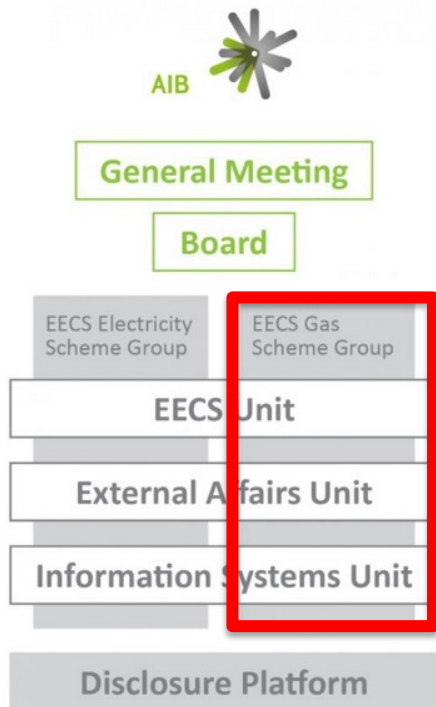


Study on accelerating the deployment of  
Guarantees of Origin Schemes for Hydrogen  
and for the design of a Voluntary Scheme for  
compliance with RED II targets

Call for tenders no. FCH / OP / CONTRACT NO. 278

- CertifHy 3 -  
Results for M1 - M18

28/04/2022  
CertifHy 3 Plenary Session



- Helping Competent Authorities and Issuing Bodies on the design of national H2 GO scheme
  - **Update of AIB EECS Rules to accommodate for Hydrogen**
- Helping Issuing Bodies with the setup of their operational regime (rules, processes)
  - **Update of AIB Domain Protocol Template**
- Allowing market participants to buy & sell renewable and low carbon hydrogen when no national H2 GO scheme is available
  - **Alignment of the CertifHy GO scheme with AIB EECS rules**

- A living document providing directly applicable and simple footprint calculation methods
- Provides calculation instructions for straightforward generic cases, as well as for the specific situations covered by case studies for which consensus was achieved within CertifHy.
- Current version has been approved by WG2, and checked for consistency with the revised Scheme Documentation (proposed for endorsement) by WG1 and WG2 coordinators, together with WG1 chair.



**Published soon**

**Carbon footprint calculation**

Dissemination level: CertifHy

Last update: 2022-04-20

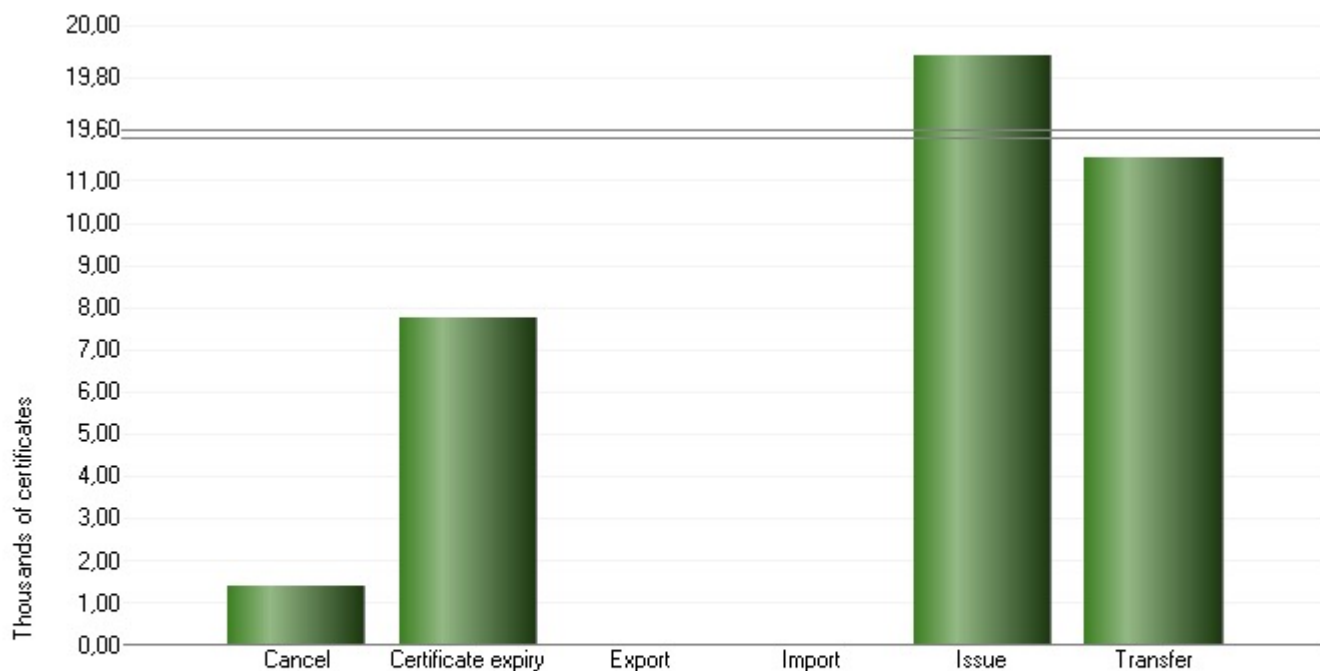
**From 2022, Vertogas in the Netherlands will be responsible for issuing GoOs for green hydrogen. For example, all energy carriers receive a kind of "energy passport".**

It has been 20 years since Groen Certificate Management (now CertiQ) issued its first green certificate. The green certificate system has since been replaced by the Guarantees of Origin (GoO) system. A GoO is the undisputed link to guarantee the sustainable origin of the energy carrier in question. Vertogas (a subsidiary of Gasunie) was established in 2009 to certify renewable gas. Vertogas has received a legal mandate from the Ministry of Economic Affairs and Climate to also issue GoOs for green hydrogen.

To expand the market for CO<sub>2</sub> Free facilitate hydrogen, is a comprehensive system of guarantees of origin (GoO) and certification required and must be made to definitions agreed. Under the Renewable Energy Directive (RED-II), the development of a GoO system is mandatory and the RED II provides a framework for this. In the FCH project [CertifHy](#), the European rules and measurement [methodology](#) are determined. As a CertifHy member, Vertogas is involved in setting up the hydrogen certification scheme and will develop a framework for the Dutch hydrogen GoOs.



Source: [Vertogas](#)



A first transaction between a broker and an end consumer was realized this July by Amsterdam Capital Trading Commodities (ACT), a leading global provider of market-based sustainability solutions headquartered in Amsterdam.

*“We are interested to see the full potential of the hydrogen certificates market. We look forward to helping accelerate it in collaboration with CertifHy®.”*

- Mario Russi, Senior Operator Certificates at ACT

Energy Source	Issue	Transfer	Cancel	Export	Import	Certificate expiry
F01000000 Renewable	19 882	11 547	1 378	-	-	7 750
<b>Total</b>	<b>19 882</b>	<b>11 547</b>	<b>1 378</b>	<b>-</b>	<b>-</b>	<b>7 750</b>



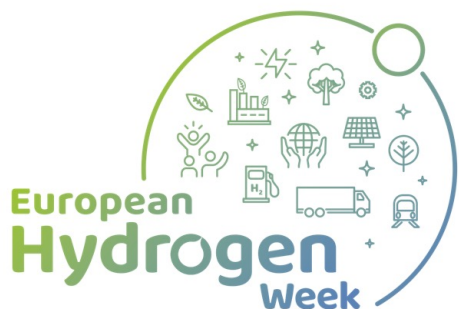


CertifHy continuously disseminates the work achieved with the Stakeholder Platform to improve market readiness for H2 certification

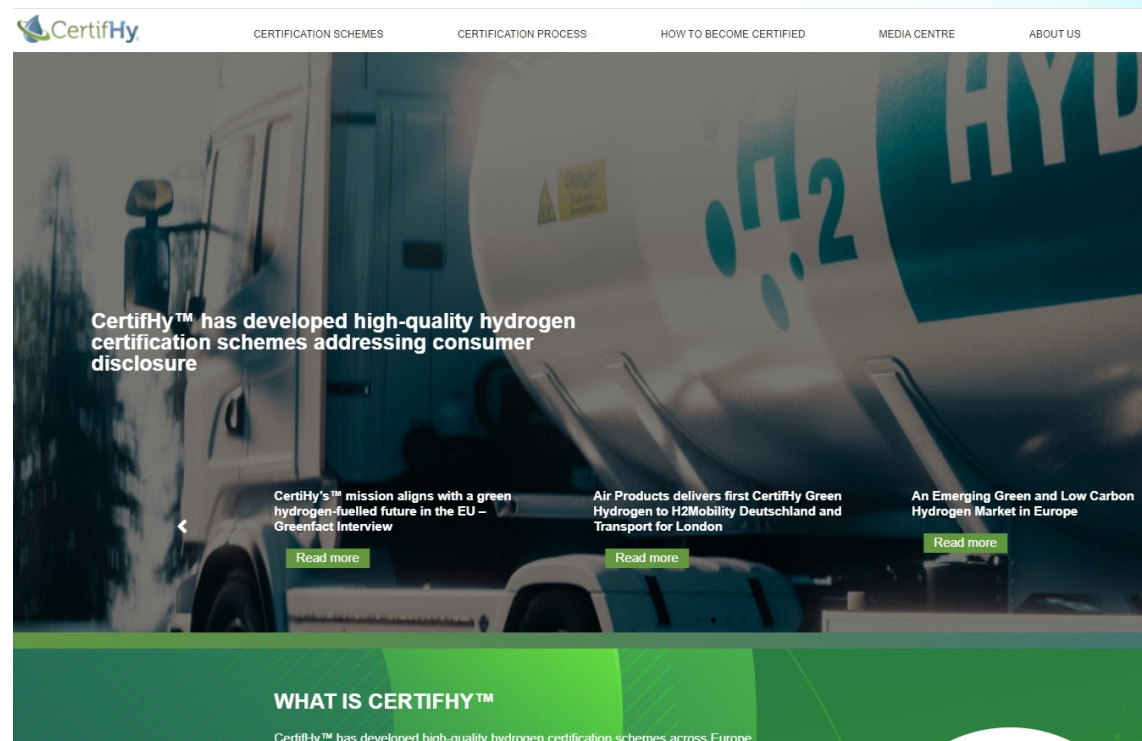


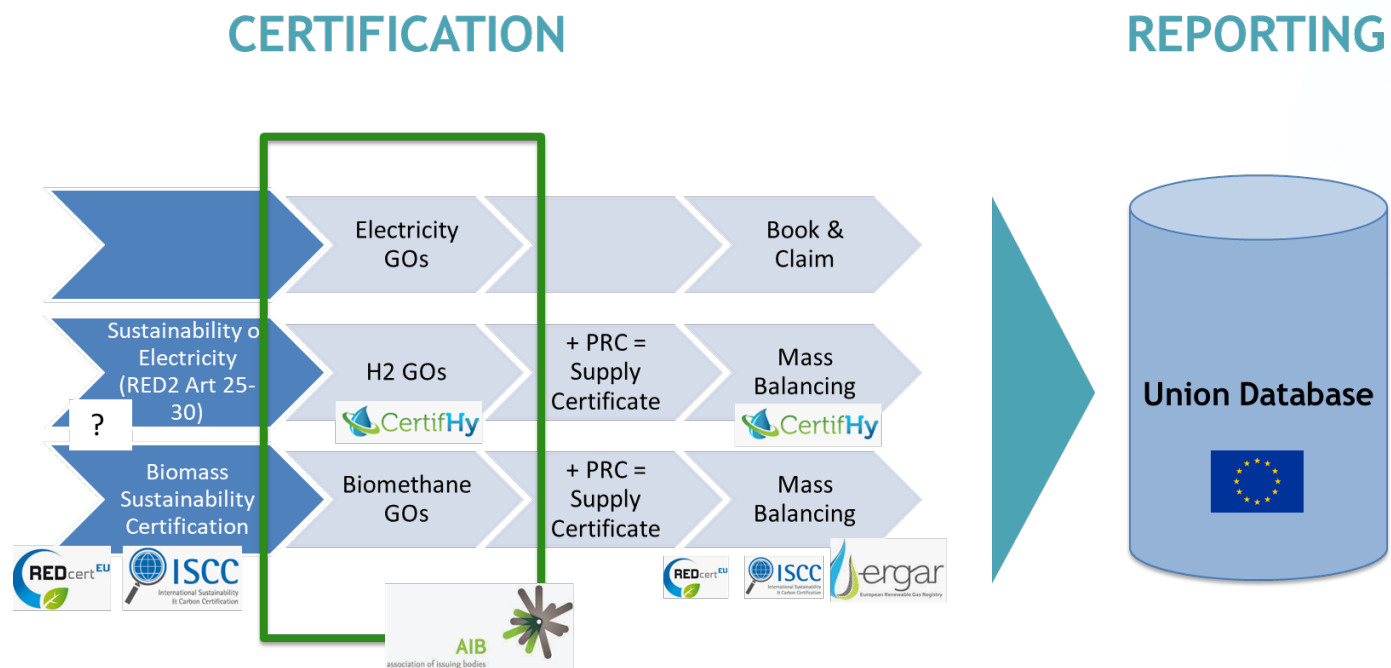
Accelerating Renewable Demand

5-6 APRIL 2022  
AMSTERDAM,  
THE NETHERLANDS



And the new CertifHy website





**CertifHy proposes a certification architecture where sectoral experts facilitate reporting in the Union Database**

- The Energy Attribute Tracking System (EATS) architecture designed by CertifHy 3 allows for the combination of book & claim (GOs) and mass balance (RFNBOs)
- Guarantees of Origin should participate to the improvement of RFNBO certification by providing further evidence to Voluntary Schemes
- Maximum flexibility should be provided to economic operators by keeping GOs « alive » until the consumption of the H2 molecule

**OBJECTIVE : CONTINUE TO PUSH FOR THE DEVELOPMENT OF A HARMONIZED H2 GO MARKET IN EUROPE**

### **IMPLEMENTATION ACTIONS**

- CertifHy GO scheme to formally apply for AIB recognition as a Non-Governmental Certification Scheme
- The CertifHy GO scheme is a living document: consultation with stakeholders will continue
- CertifHy looks to collaborate with Competent Authorities and Issuing Bodies on the development of their national H2 GO scheme



### OBJECTIVE: BECOME AN ENABLER OF THE RFNBO MARKET

### IMPLEMENTATION ACTIONS

- CertifHy will formally kickstart the collaboration with Stakeholder Platform Working Groups on the development of a new scheme for RED2 compliance (RFNBO)
- CertifHy to apply as EU Voluntary Scheme in 2022 (pending on adoption of RED2 Delegated Acts)
- Preliminary analysis and roadmap to be presented by Matthias Altmann

# Thank you for your attention

- CertifHy 3 -

April 2022  
CertifHy 3 Plenary Session



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