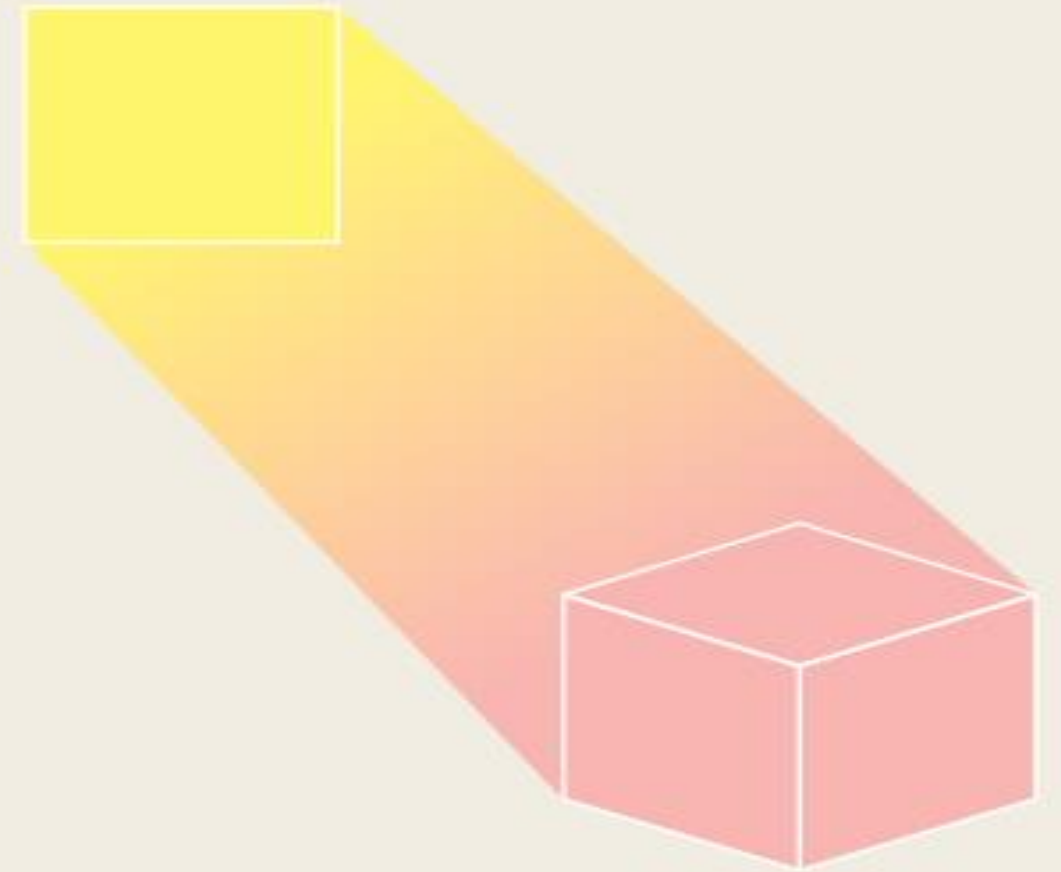


Certifying gases in Europe

H2Future – Verbund – CEER – ACER 11 February 2021

Katrien Verwimp

Coordinator Sector integration for Energy certificates



- Association of Issuing Bodies - **AIB**
- The European Energy Certificate System - **EECS**
- **EECS gas scheme** - today and evolutionary approach
- Identified **working areas** in EECS related to gases
- **CertifHy**

AIB, Guaranteeing the Origin of European Energy

Not-for-profit Brussels-based association – AISBL – since 2002

Developer and custodian of the EECS™ standard

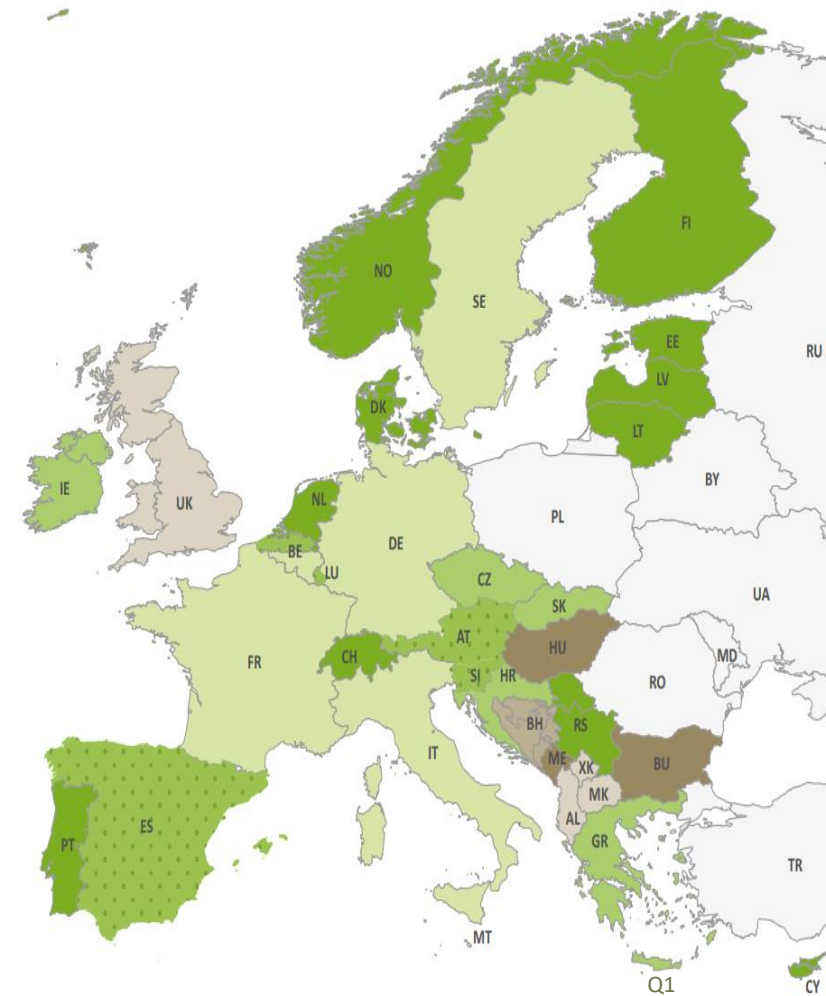
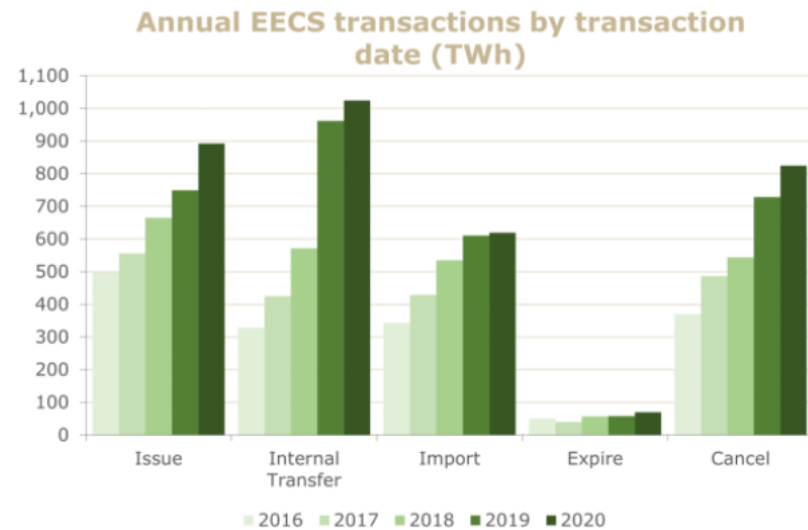
27 countries connected (30 members)

All AIB's members are competent bodies for GOs

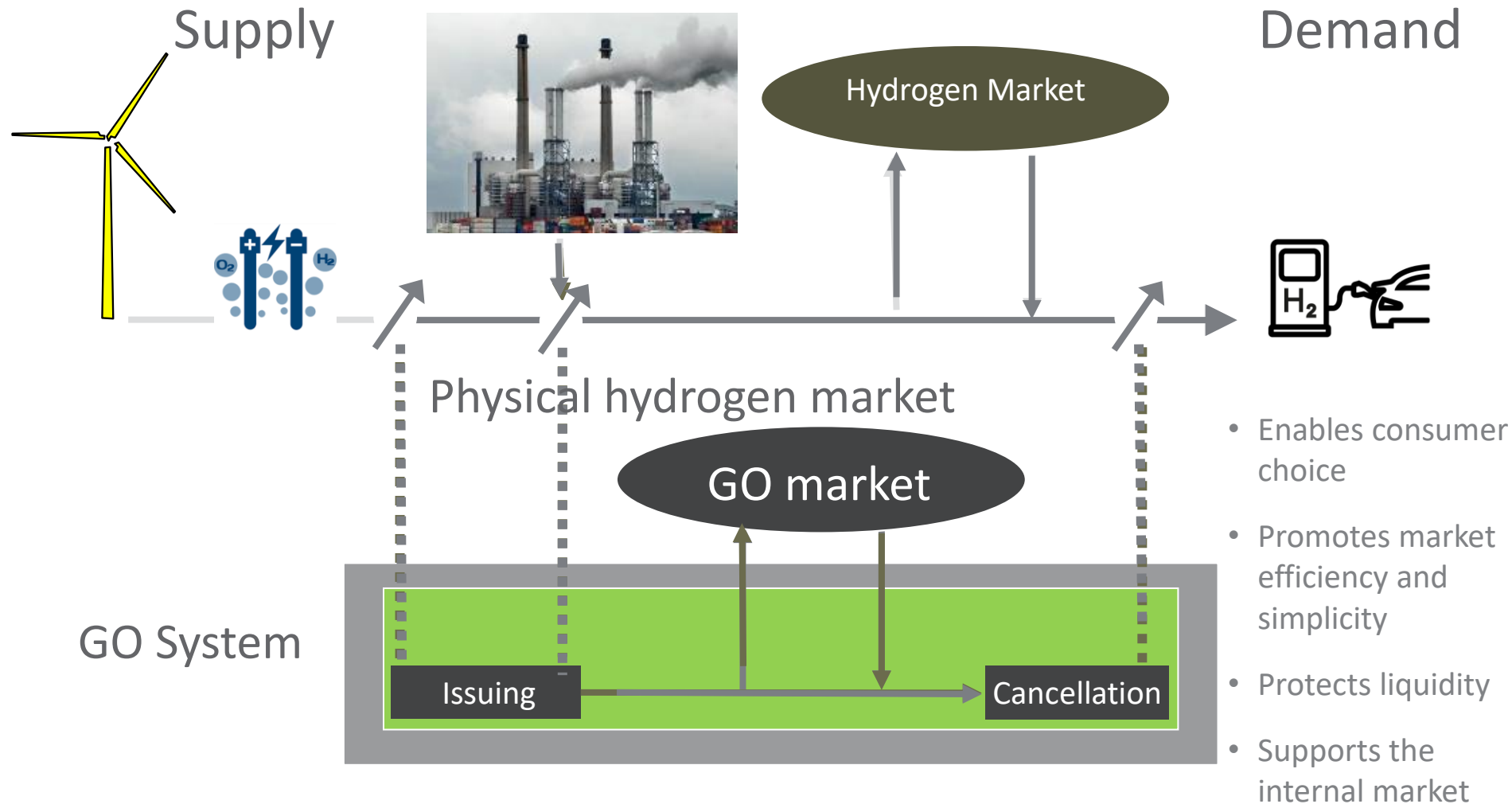
About half AIB's members are also competent bodies for electricity disclosure supervision

6 AIB members assigned by government for gas GO issuing

Several members likely to be assigned for gas soon



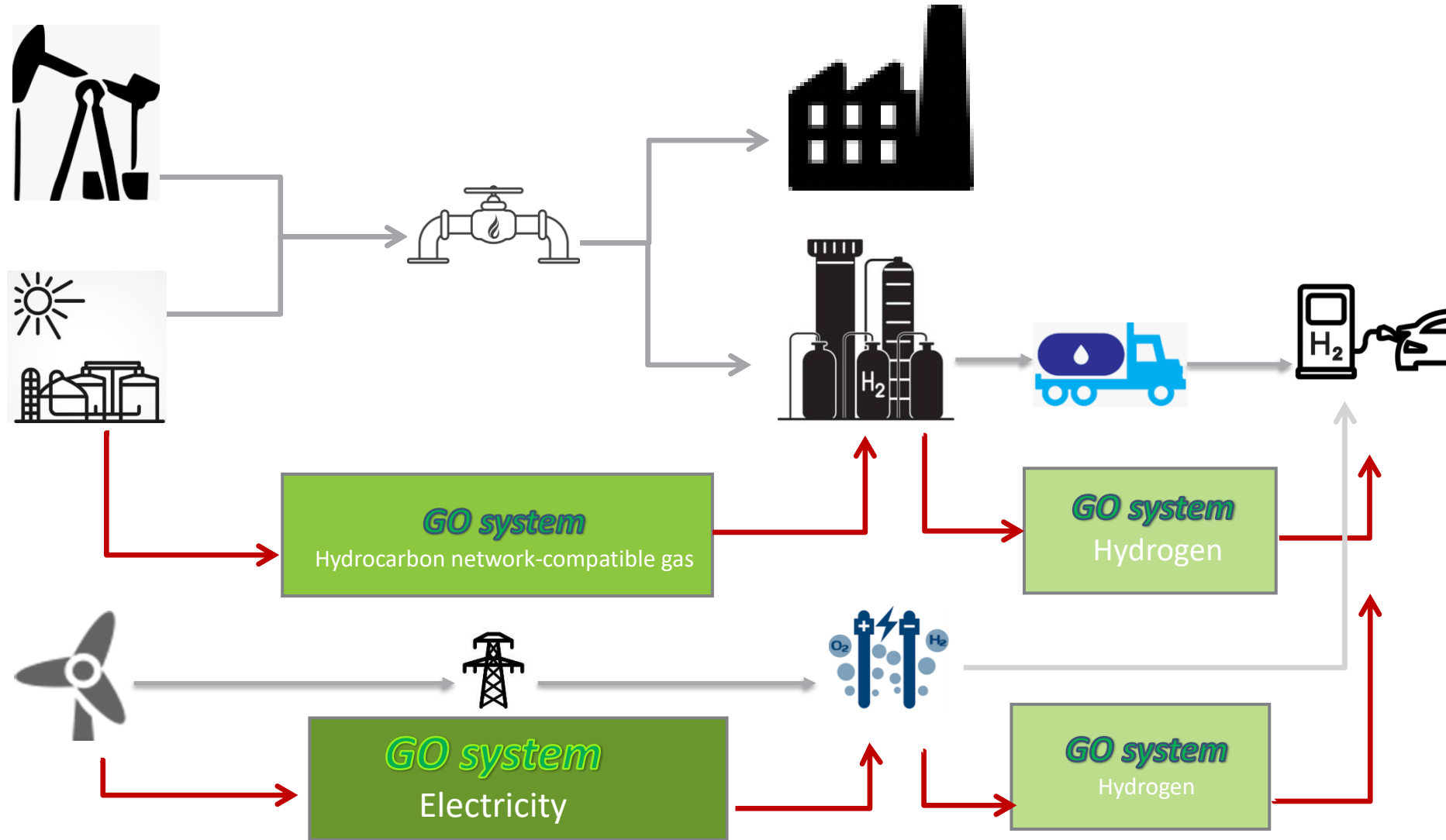
Tracking: Guarantees of Origin (GOs)



- Renewable Energy Directive 2018/2001 (EU) art. 19
- => Member States must ensure that GOs are in line with EN16325

Why a generic GO system for all energy carriers?

GO Conversion Issuance

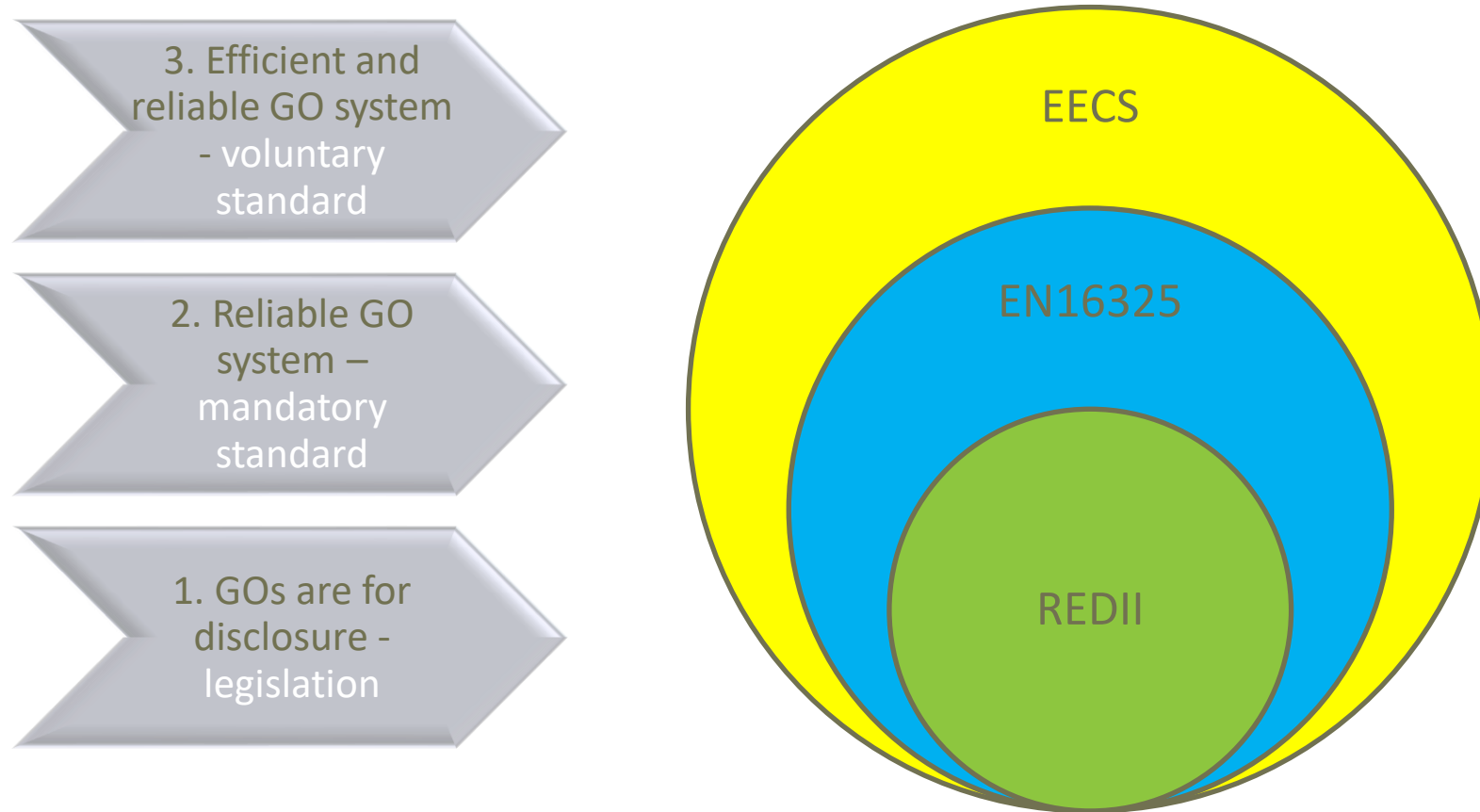


Why have standards?

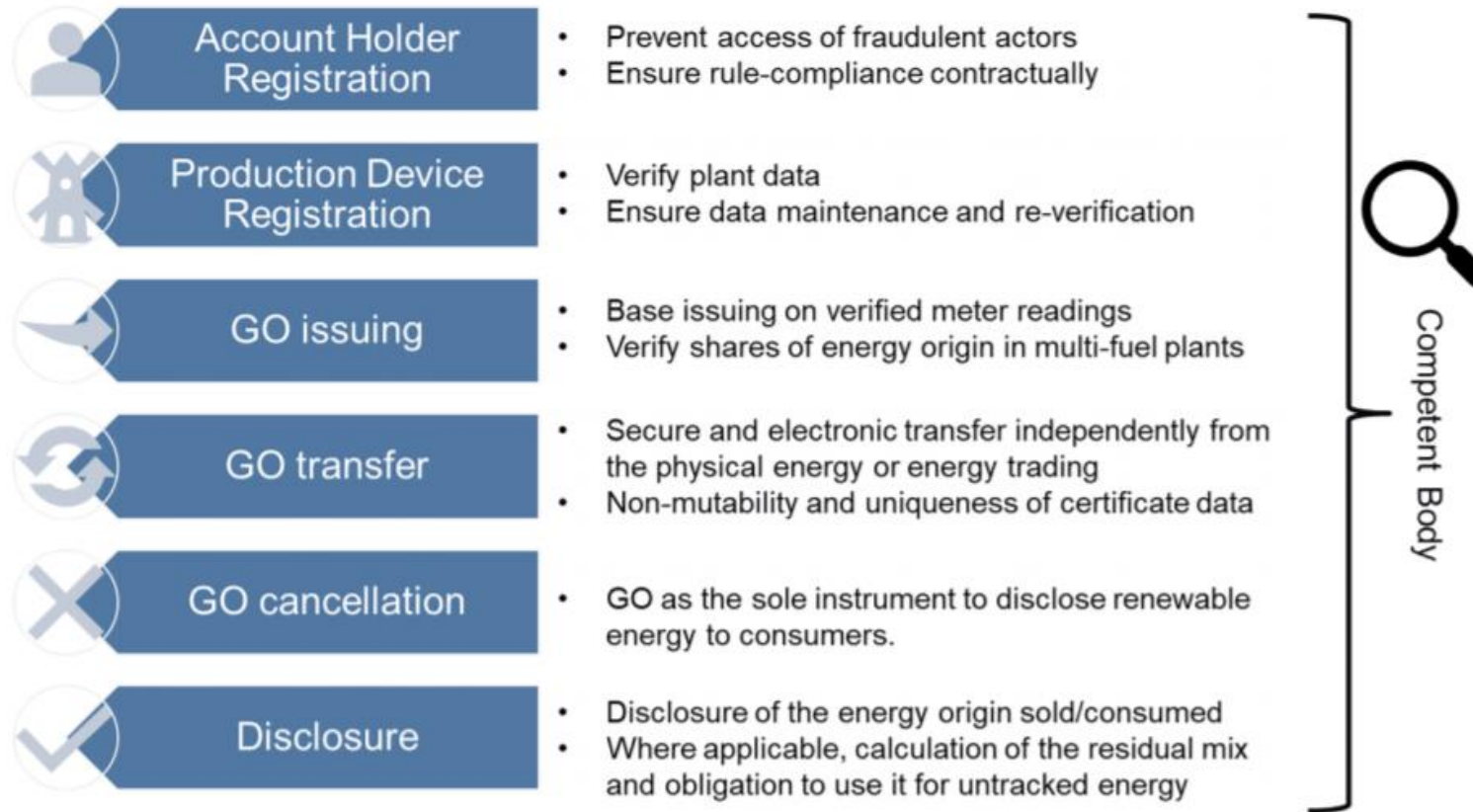
Try plugging that in!



Framework for Guarantees of origin (GOs)

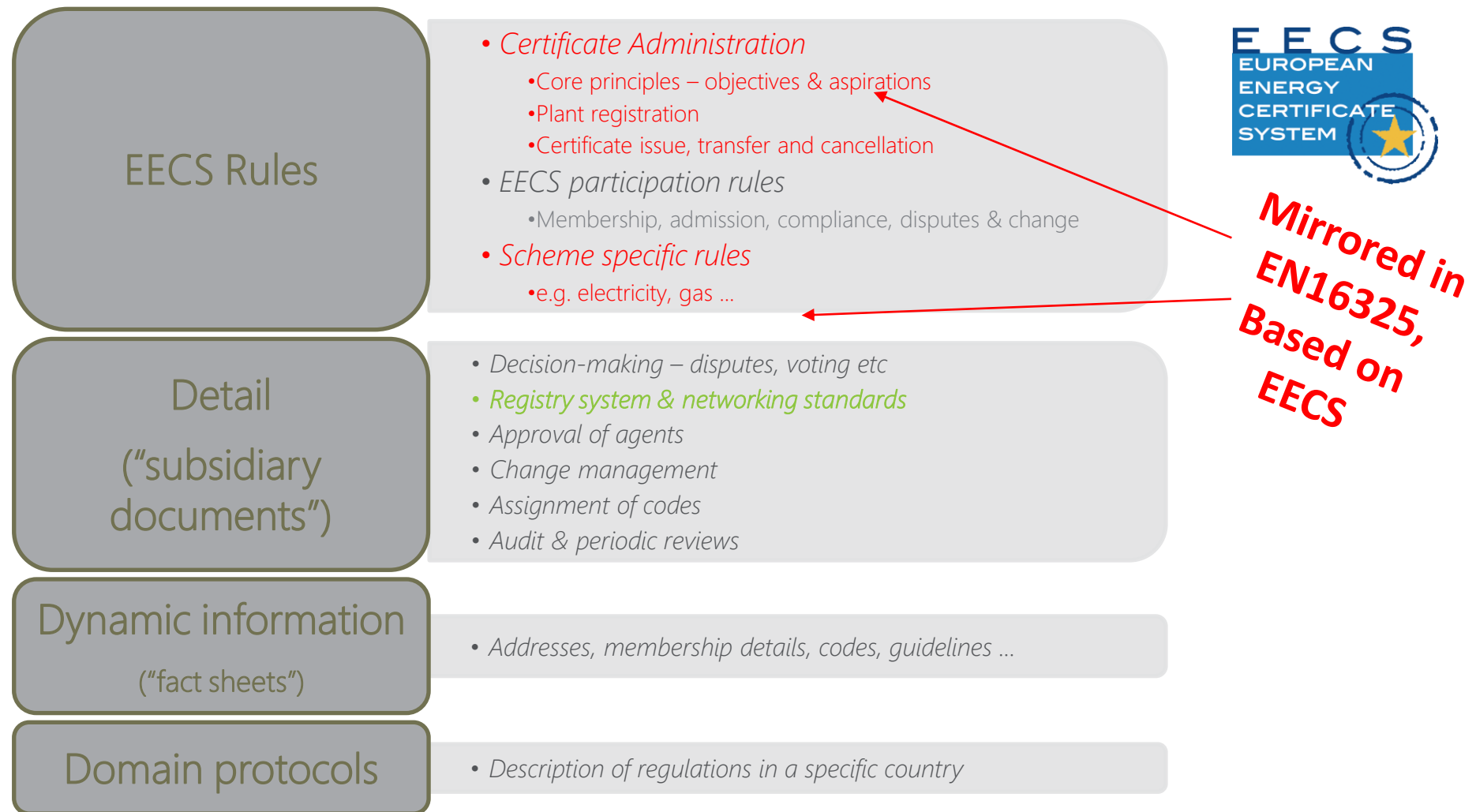


Components to be managed in a reliable GO system



The European Energy Certificate System (EECS)

AIB



What does an EECS certificate look like

Generic Certificate

- Energy Medium
- Product
- Unique certificate number
- Production period (start and end dates)
- Energy source
- Type of installation
- Production device info
- Identity and country of originating member
- Issue date
- Identity and country of relevant competent body
- Purpose
- Support received by type
- Independent Criteria Schemes (Labels) *

Additional on Gas Certificate

(EECS Rules Release 7 v12)

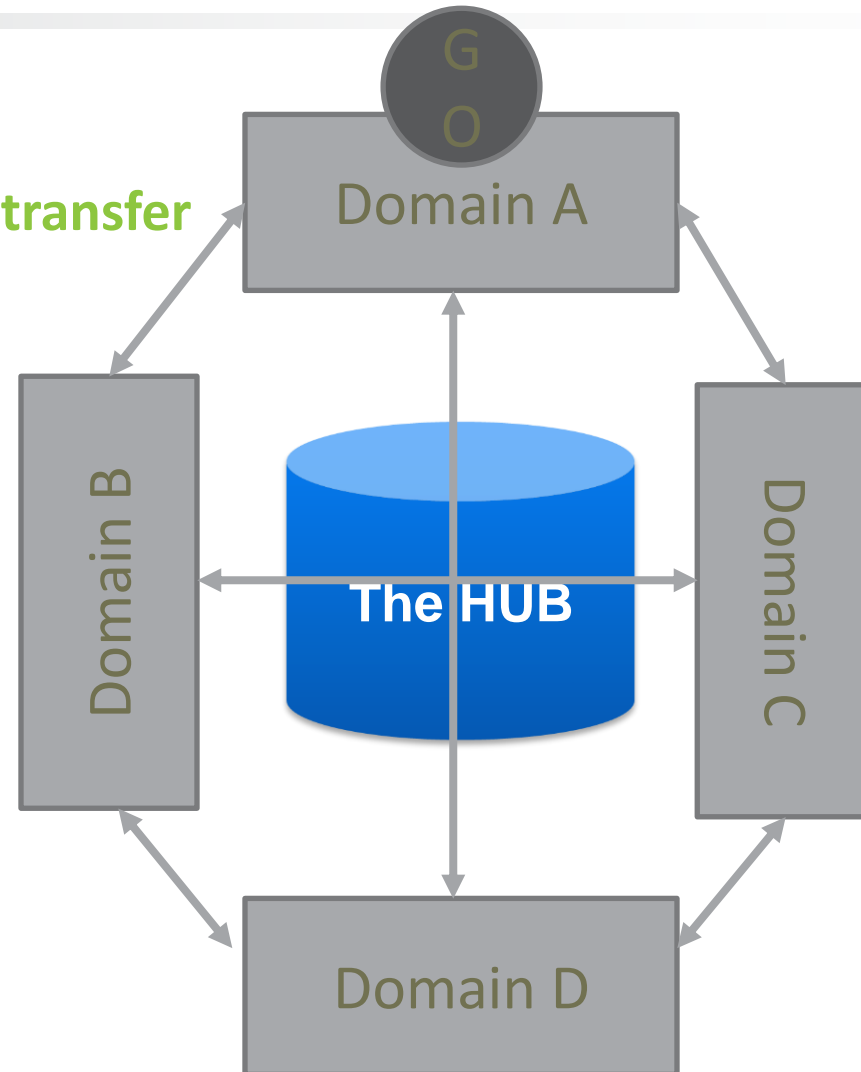
- Type of Gas
 - Network compatible gas, Hydrogen, Other gas
- Calorific Value
- Means of Supply - category
- CO2 Emissions saved & produced *
- Sustainability Criteria Met? *
 - Y/N, Name Certification Body, reference to report
- GHG saving criteria met? *
- End-use of gas category *

*Yellow text: optional data field

2020:> 600 million GOs cross border transfer
30 Domains

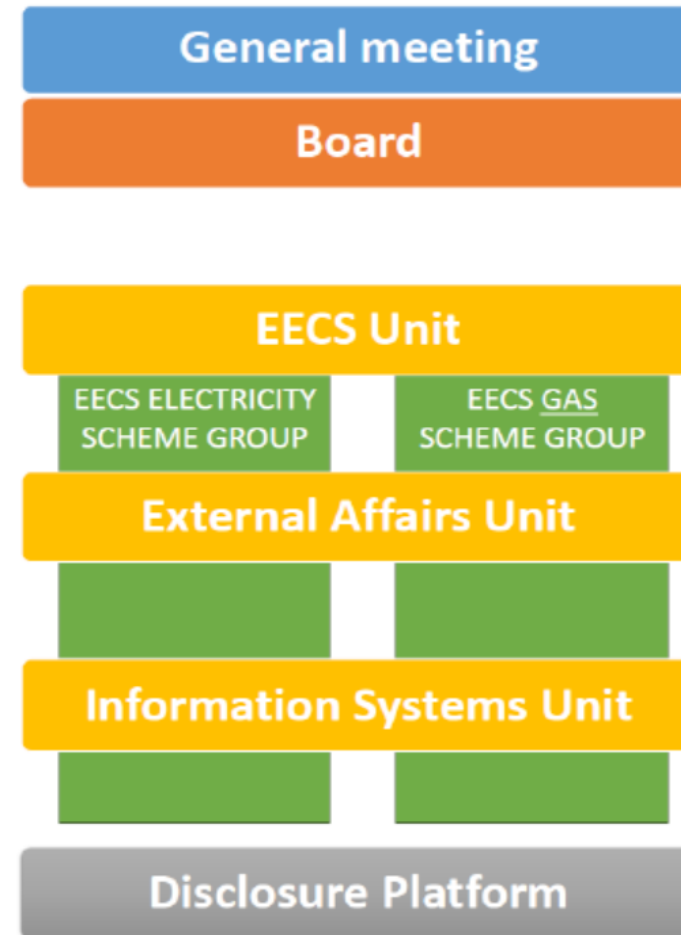
How ?
Standardised
Automated
Jointly operated

Why ?
Efficiency
Trust
Fraud prevention



AIB organised to facilitate multi-energy

1. EECS Energy Carrier Conversion Rules
 - September 2019
2. EECS Gas Scheme: Chapter O of the EECS Rules
 - November 2019
 - <https://www.aib-net.org/eees/eeesr-rules>
3. Changes in the Articles of Association and internal rules
 - February 2020
4. Gas Scheme Group
 - Existing members
 - Observer - Scheme co-developer status
 - Forum for discussion and resolution of challenges



Ongoing developments by issuing bodies in relation with EECS Gas Scheme

EECS Generic:

- Onsite consumption
- CEN EN16325 alignment
- Non-governmental certificates & independent criteria schemes
- Conversion rules: more detail
- ...

EECS Gas Scheme:

- Hydrogen purity
- Avoid double claims through other means than GO
- Data fields updates
- Definition updates
- ...



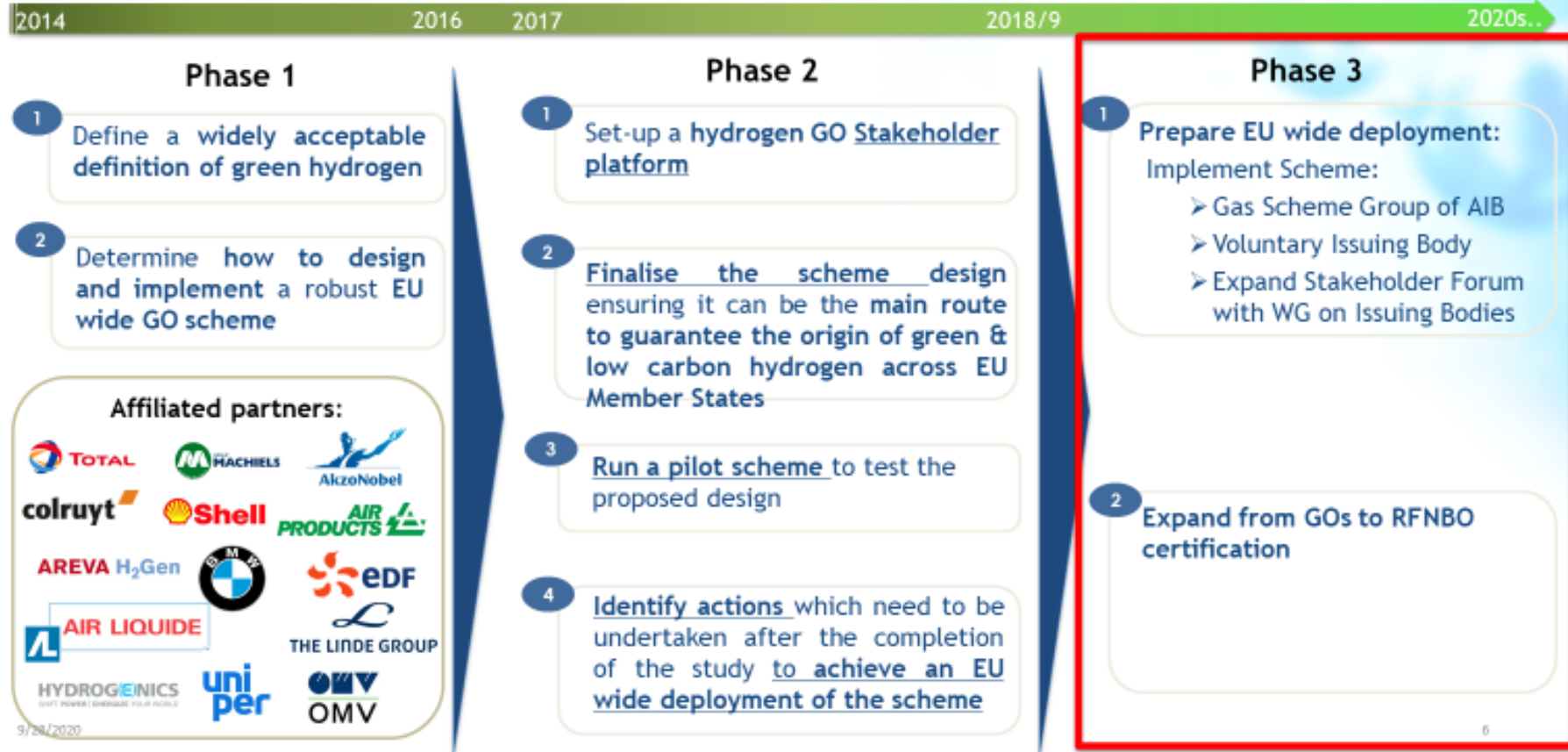
3 regulated systems – 3 purposes

EECS certificate structure enables certifying multiple purposes





CertifHy aims to develop the 1st European-wide Green and Low Carbon hydrogen GO scheme

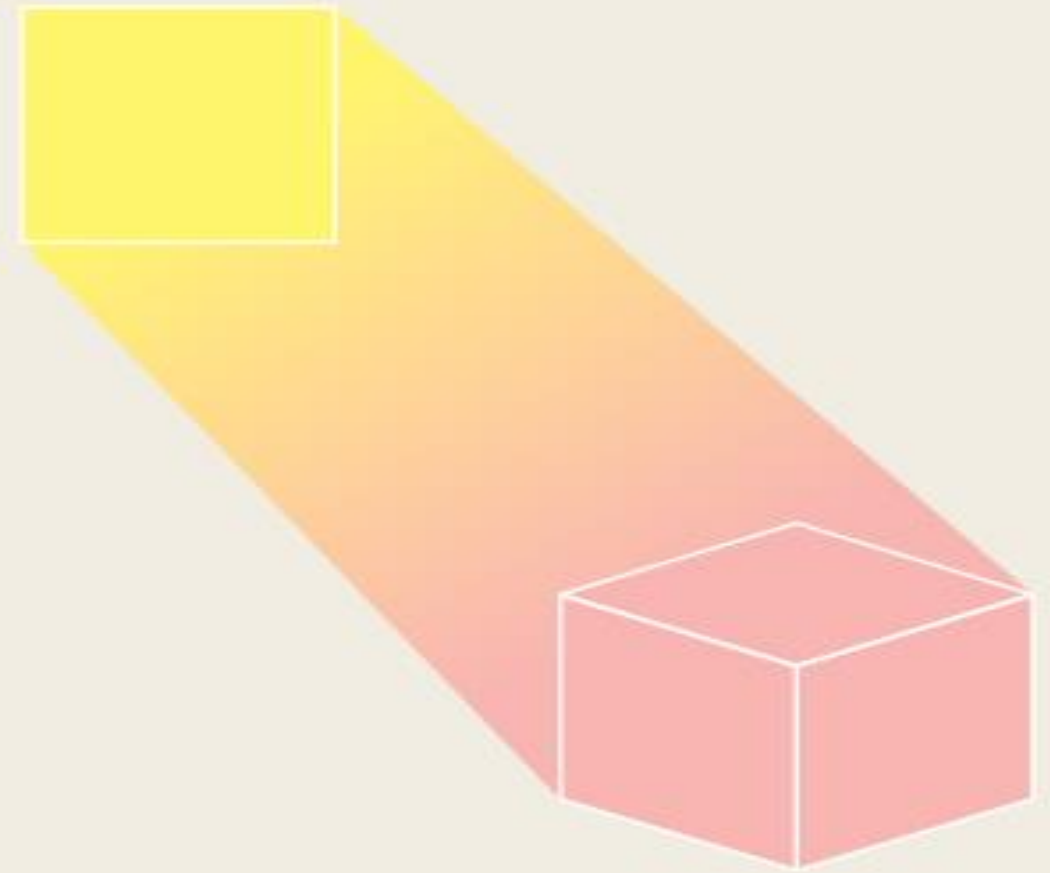


Thank you for your attention

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