



AIB
association of issuing bodies



AIB and EECS (European Energy Certificate System)

29/3/2022

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Coordinator Sector Integration – Energy Certificates

01

The Association of Issuing Bodies (AIB) operating EECS

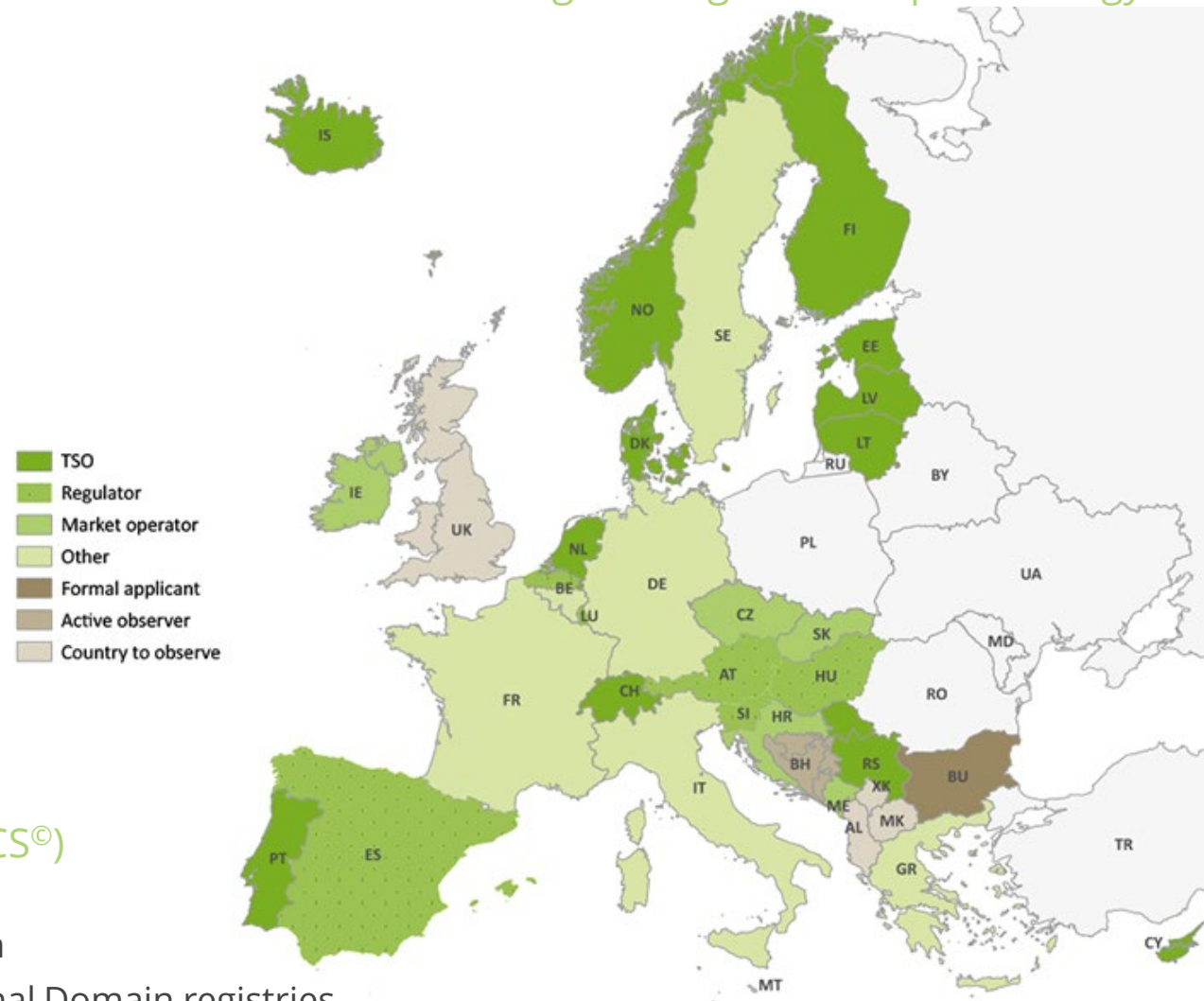
The Association of Issuing Bodies - Facts

- AIB: non-profit association founded in 2002
- Now 28 countries connected (31 members)
- Geographical scope: EU - EFTA – Energy Community
- Issuing Bodies have diverse roles: regulator, market operator, TSO, ministry, power exchange etc.
- All AIB's current members are issuing bodies for electricity GOs
- About half AIB's members are also competent bodies for the supervision of electricity disclosure
- 8 AIB members assigned by their government for issuing GOs for gases – more to follow
- Developer and custodian of the EECS[©] standard

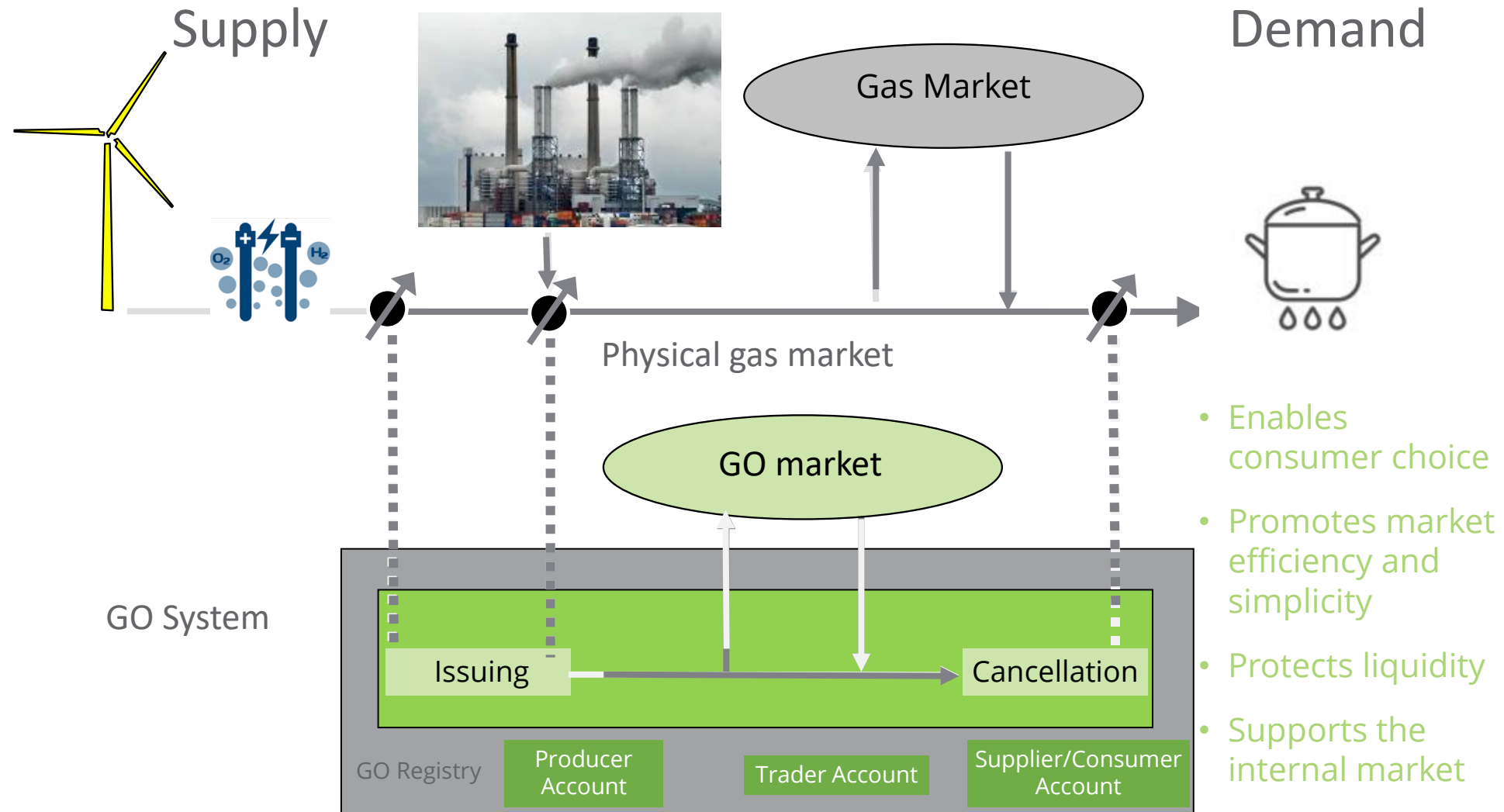
Pillars of the European Energy Certificate System (EECS[©])

- I. **EECS Rules:** engaging into quality and harmonisation
- II. **IT hub:** enables GO transfer between national/regional Domain registries
- III. Peer reviews and **audits**

AIB Mission: Guaranteeing the origin of European Energy



Book and Claim Certificate System



The AIB HUB

Framework

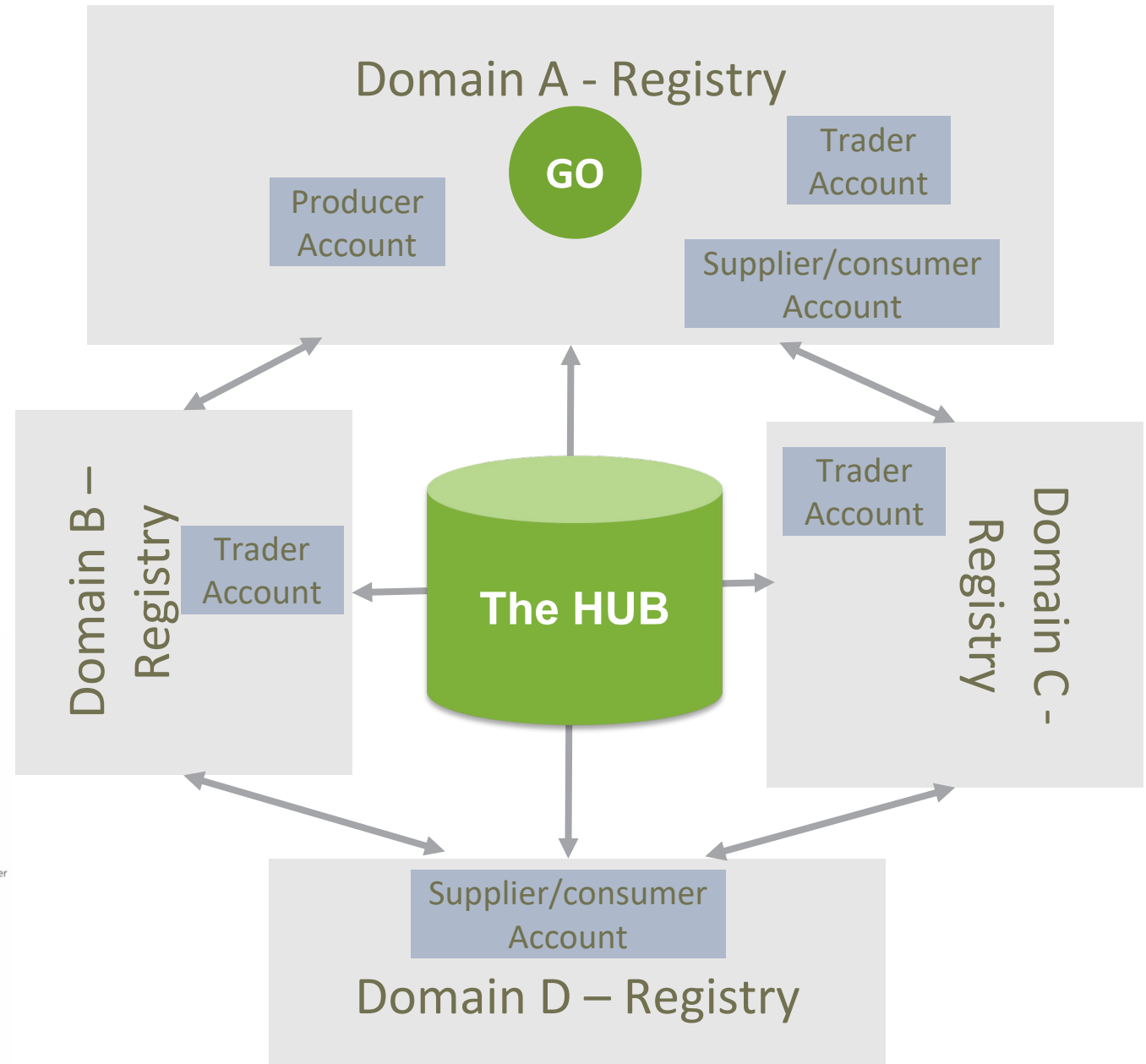
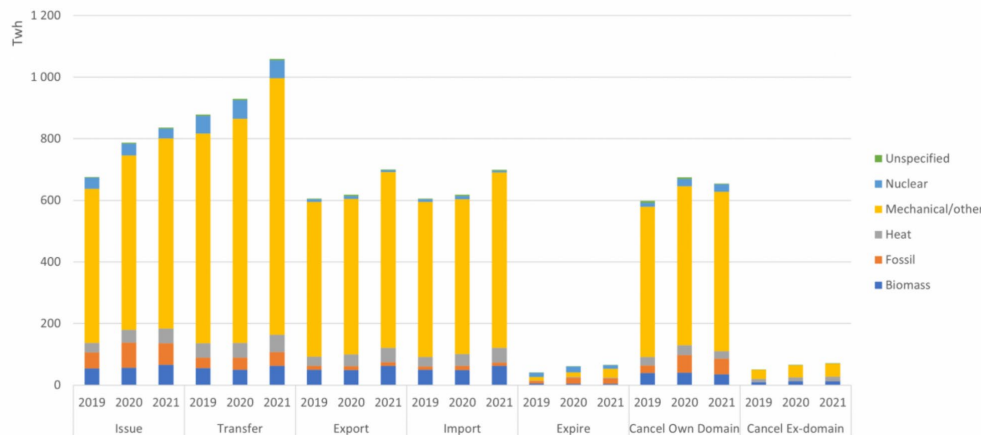
→ International transfers of electronic documents

- 2021: 700 million GOs cross border transfer
- 27 Domains

→ How

- Standardised
- Automated
- Jointly operated

GO transactions on annual basis, per energy source, structured by GO transaction period



AIB organised to facilitate multi-energy

1. EECS Energy Carrier Conversion Rules

→ Since September 2019

2. Separate decision making for Electricity and Gas specifics

→ Since February 2020

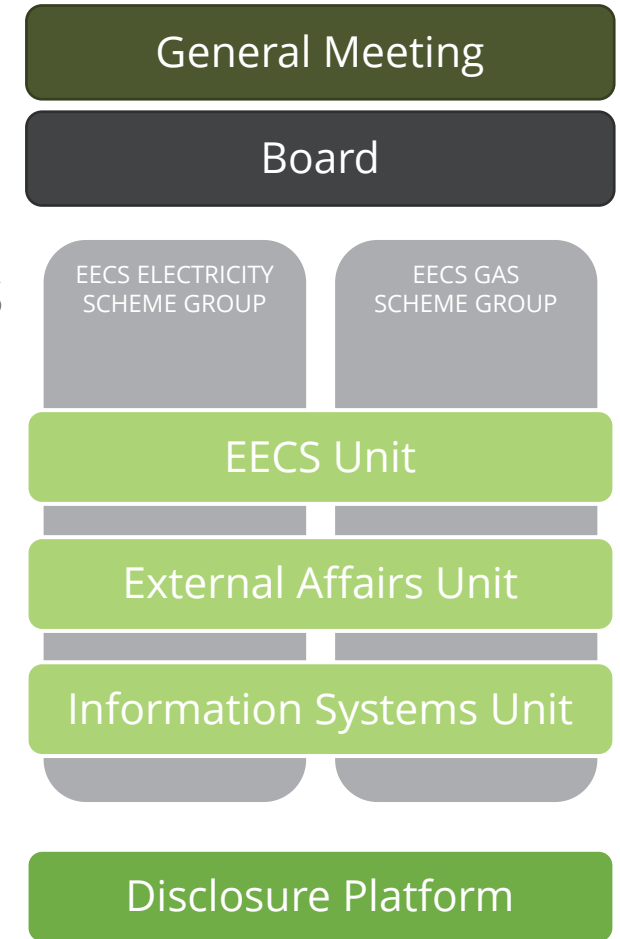
i. Electricity Scheme Group

- Electricity Scheme = section N of the EECS Rules
- Voting members

ii. Gas Scheme Group

- Existing members
- Observer - Scheme co-developer status
- Forum for discussion and resolution of challenges
- EECS Gas Scheme: Chapter O of the EECS Rules (since nov 2019)

3. AIB Hub facilitates cross-registry transfer of gas certificates in Q3/Q4 2022.



02

The Guarantee of Origin as an EECS Product

What does a Certificate look like under EECS™?

Generic EECS Certificates

Energy Medium
• Electricity / Energy Gas / Hydrogen
Product
• GO / Support Certificate / Independent Criteria Scheme
• Product name
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
• Disclosure and/or Support
Support received by type
Dissemination level
Face Value
Conversion Tag
Label(s) *
Carbon Footprint *
Timestamp *
Production Device Module *
Radioactive waste *

Additional on Electricity Certificate

High-Efficiency Cogeneration

High Efficiency Cogeneration Criterion Met?

- Y/N
- If Yes, then also following fields are mandatory

Lower Calorific Value

Use of Heat

Primary Energy Savings

- % PES
- Absolute PES

CO2 Emissions

- %
- Absolute

Fossil energy sources

CO2 Emissions

Nuclear energy sources

Radioactive Waste

Additional on Gas certificate

(= Energy Gas / Hydrogen)

Type of Gas

- See Fact Sheet

Whether Higher or Lower Calorific Value

GHG Emissions Saved & Produced *

- + Methodology reference

Sustainability Criteria met?*

- Y/N; requirements, scheme, name Certification Body, reference to report

GHG saving criteria met?*

Calorific value *

End-Use of gas category*

Source-Shares *

Production Device Module(s) *

Pre-Conversion support info *

PurityOfGas *

CompositionCriteriaReference *

Advanced Biofuel Criteria Met? *

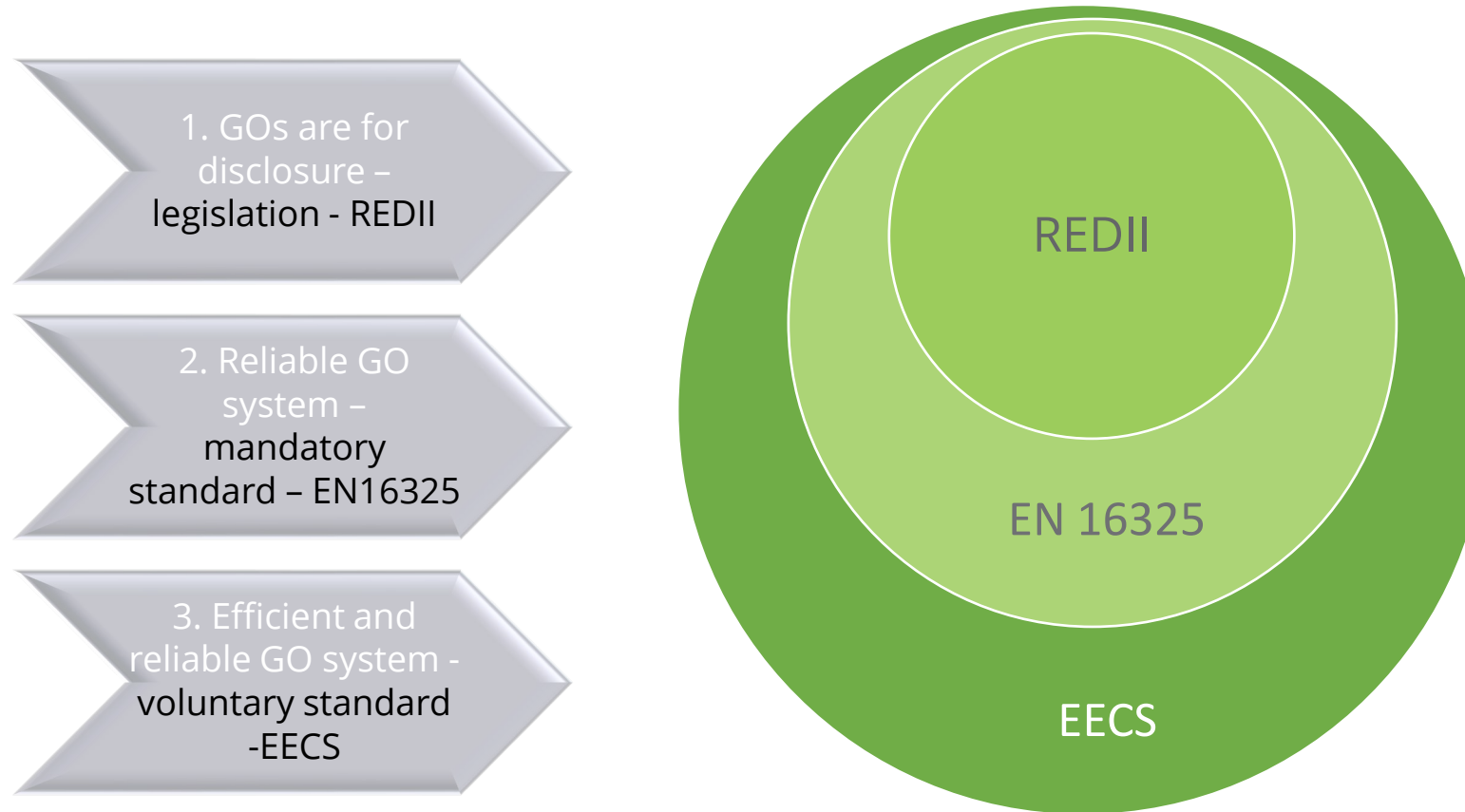
StorageTag *

Legend:

Mandatory information field

*Optional information field

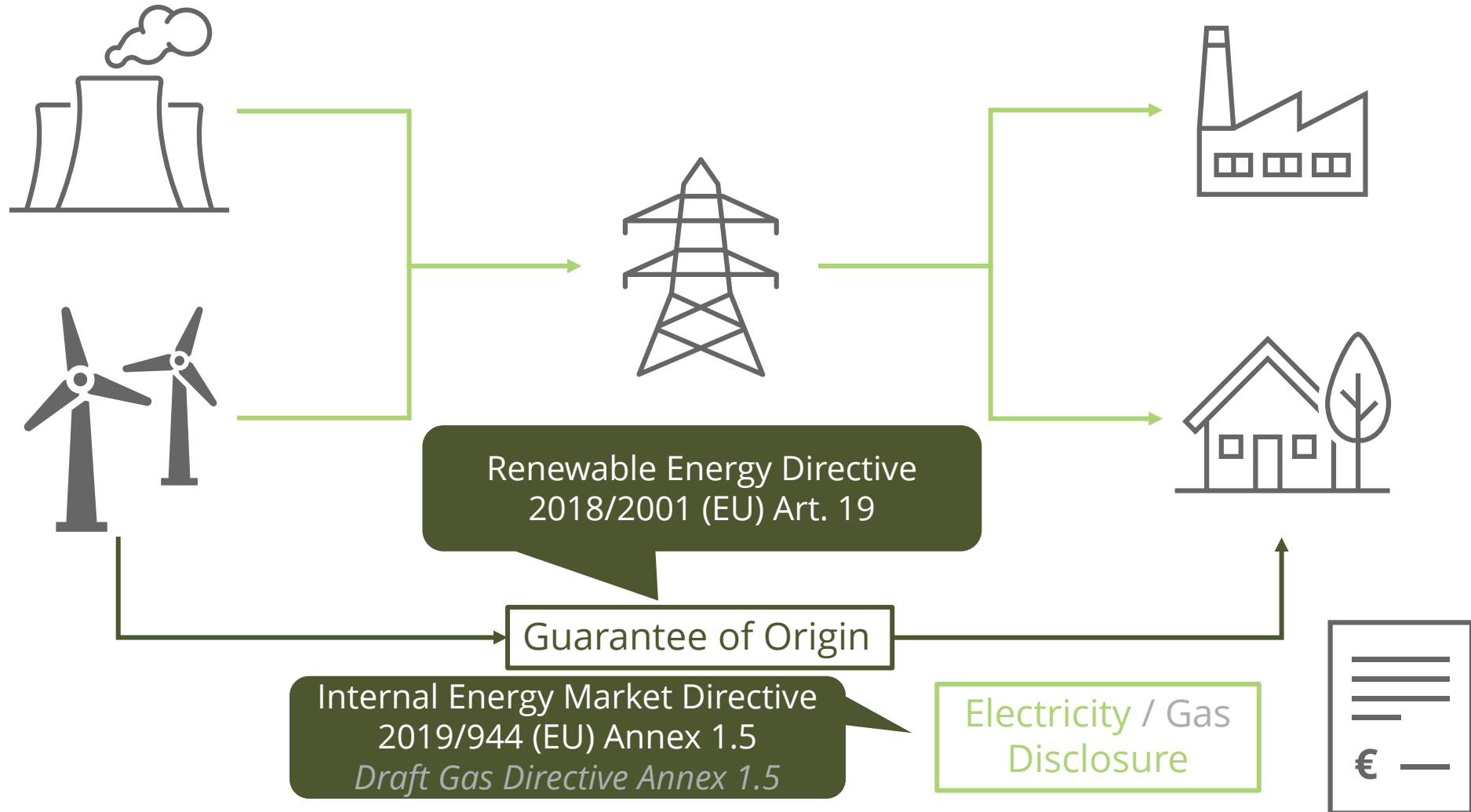
Framework for cross border harmonisation of guarantees of origin



Note: EECS covers also other products than guarantees of origin

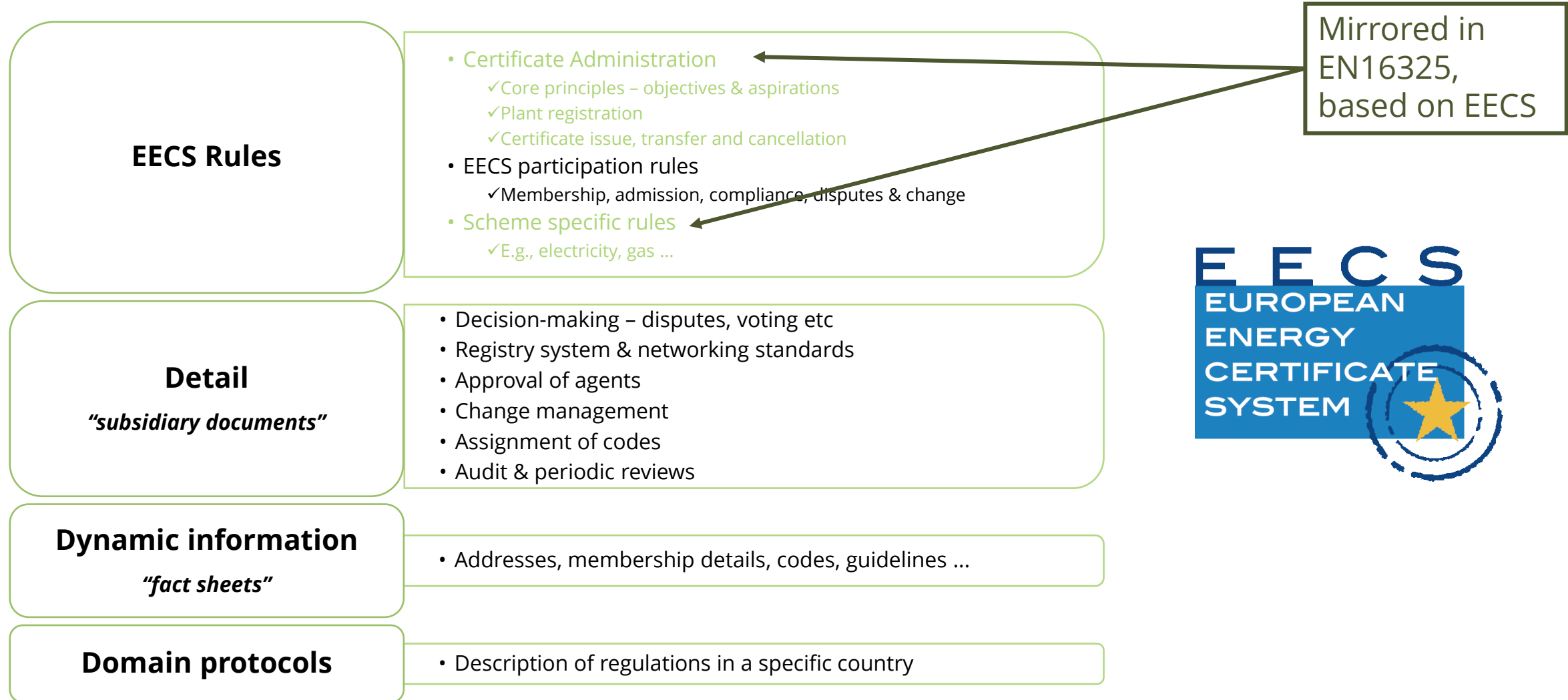
European Legislation

Guarantees of Origin



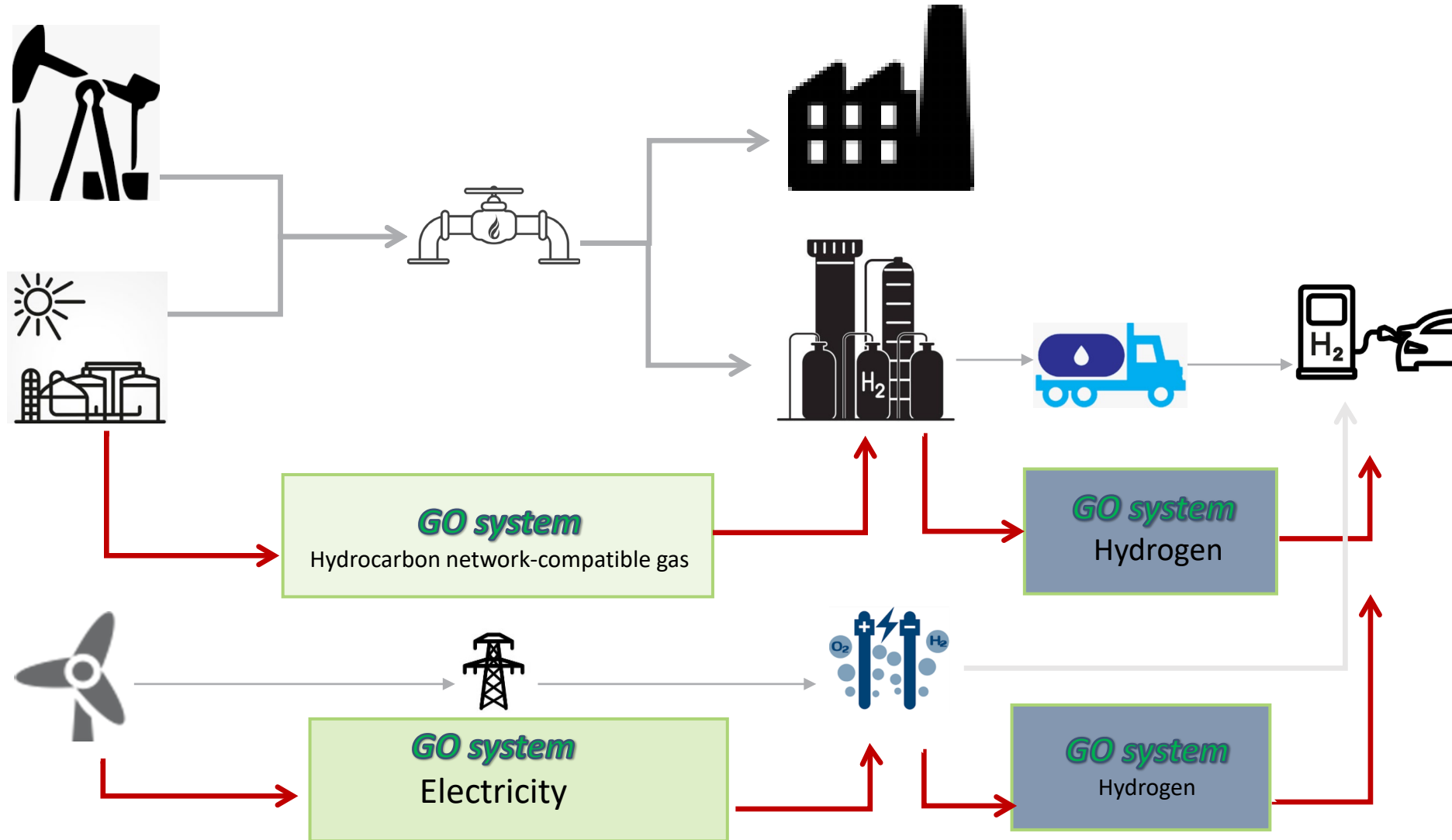
The European Energy Certificate System (EECS)

Framework

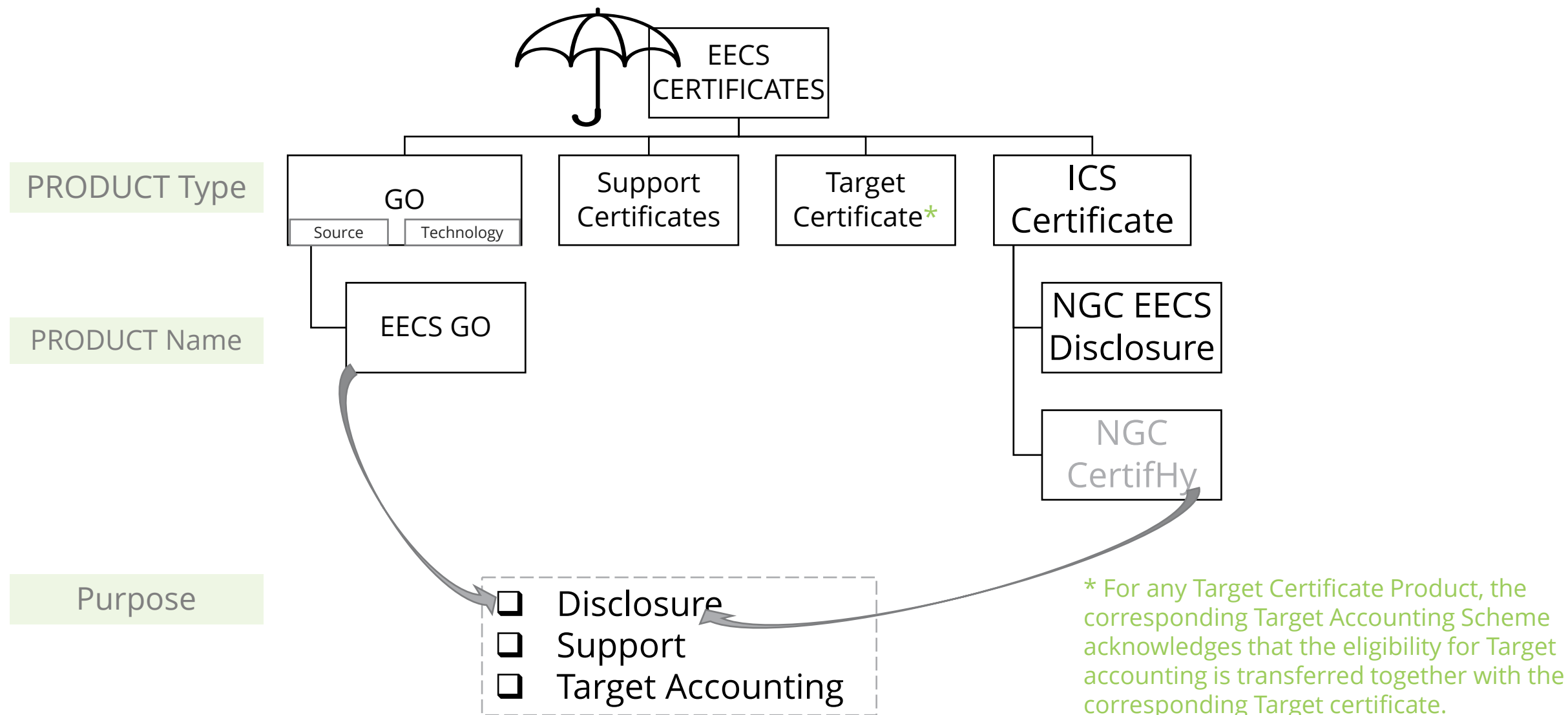


Why a generic GO system for all energy carriers?

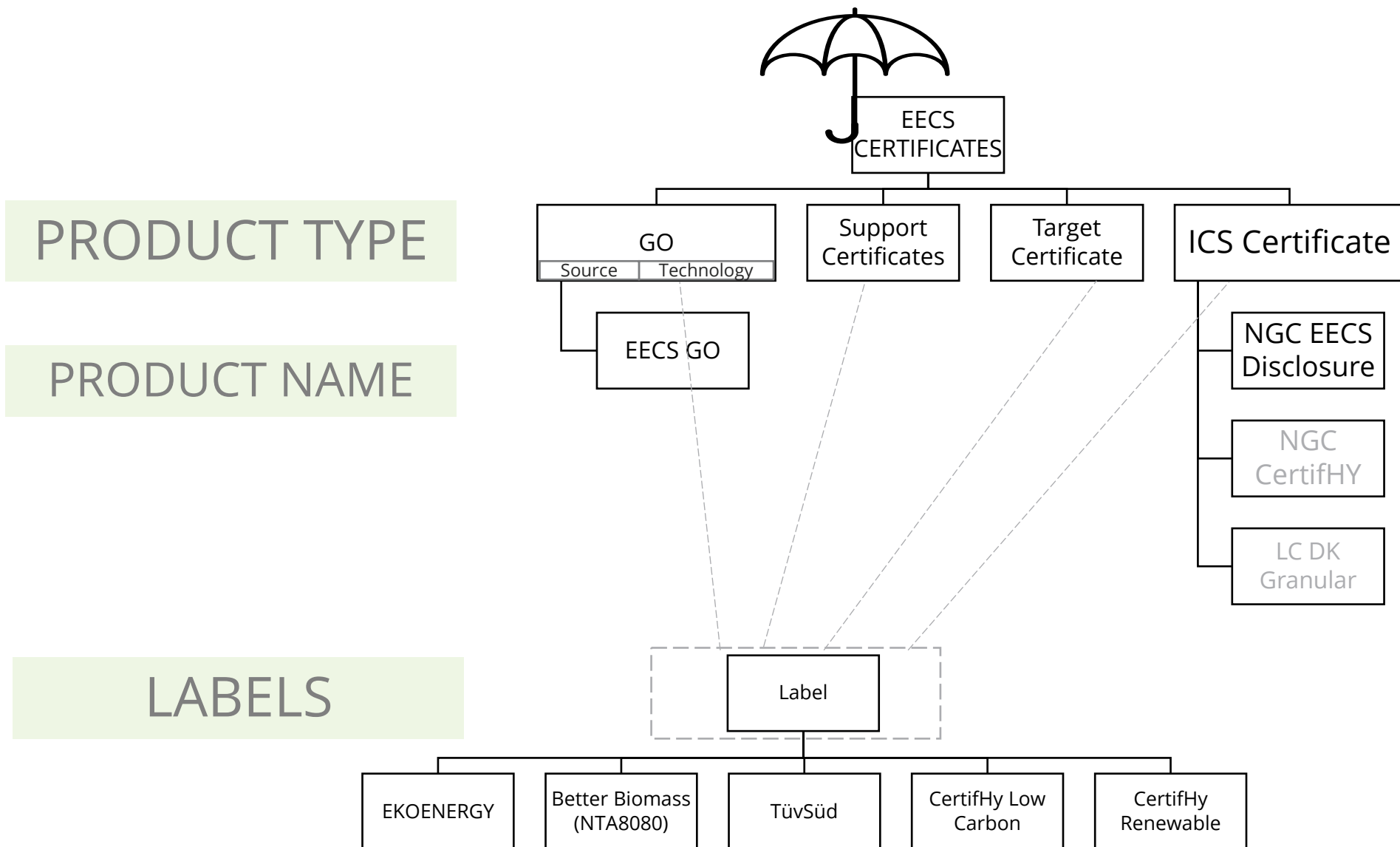
GO Conversion Issuance



Certificate Product Types under the EECS standard



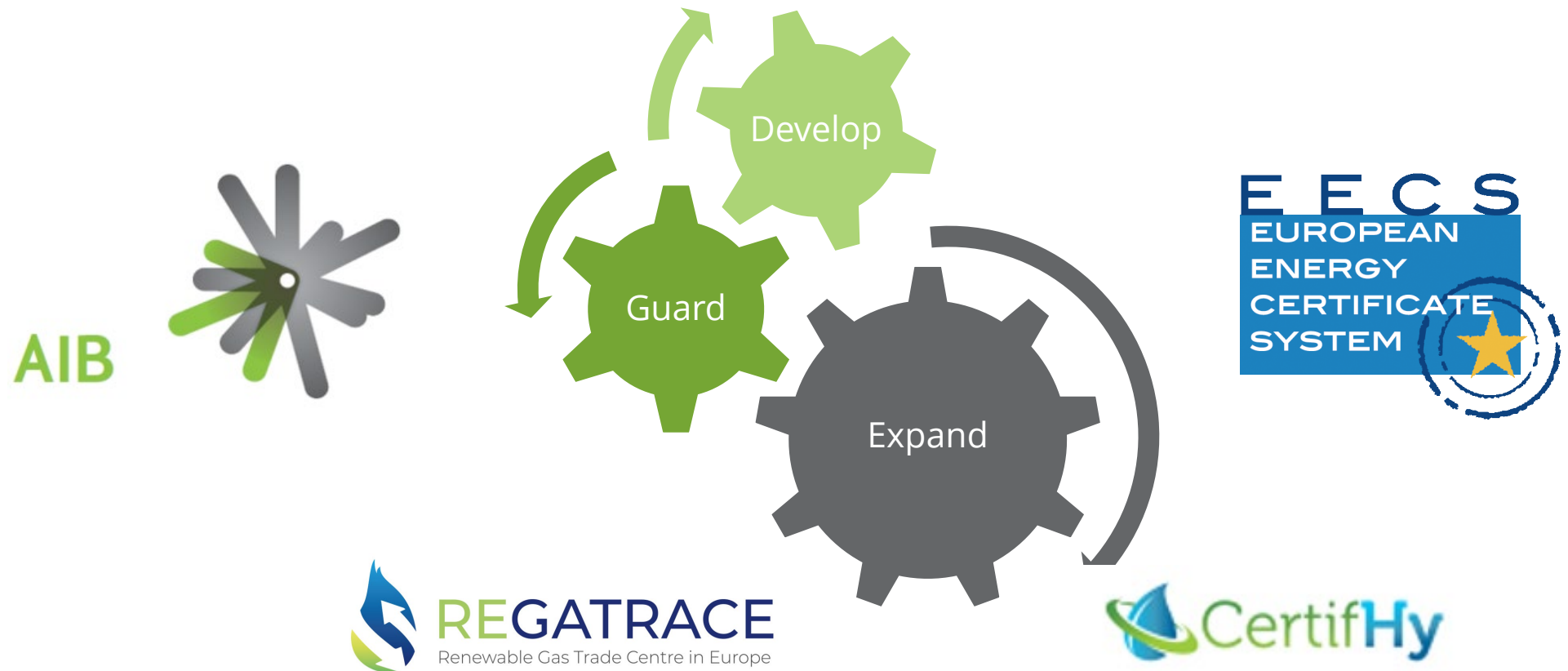
The relation between EECS Certificate types and labels



Abbreviations

ICS = Independent Criteria Scheme
NGC = Non-Governmental Certificate
LC = Legislative Certificate

Guarantees of Origin



Let's together continue to strengthen energy tracking!



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