



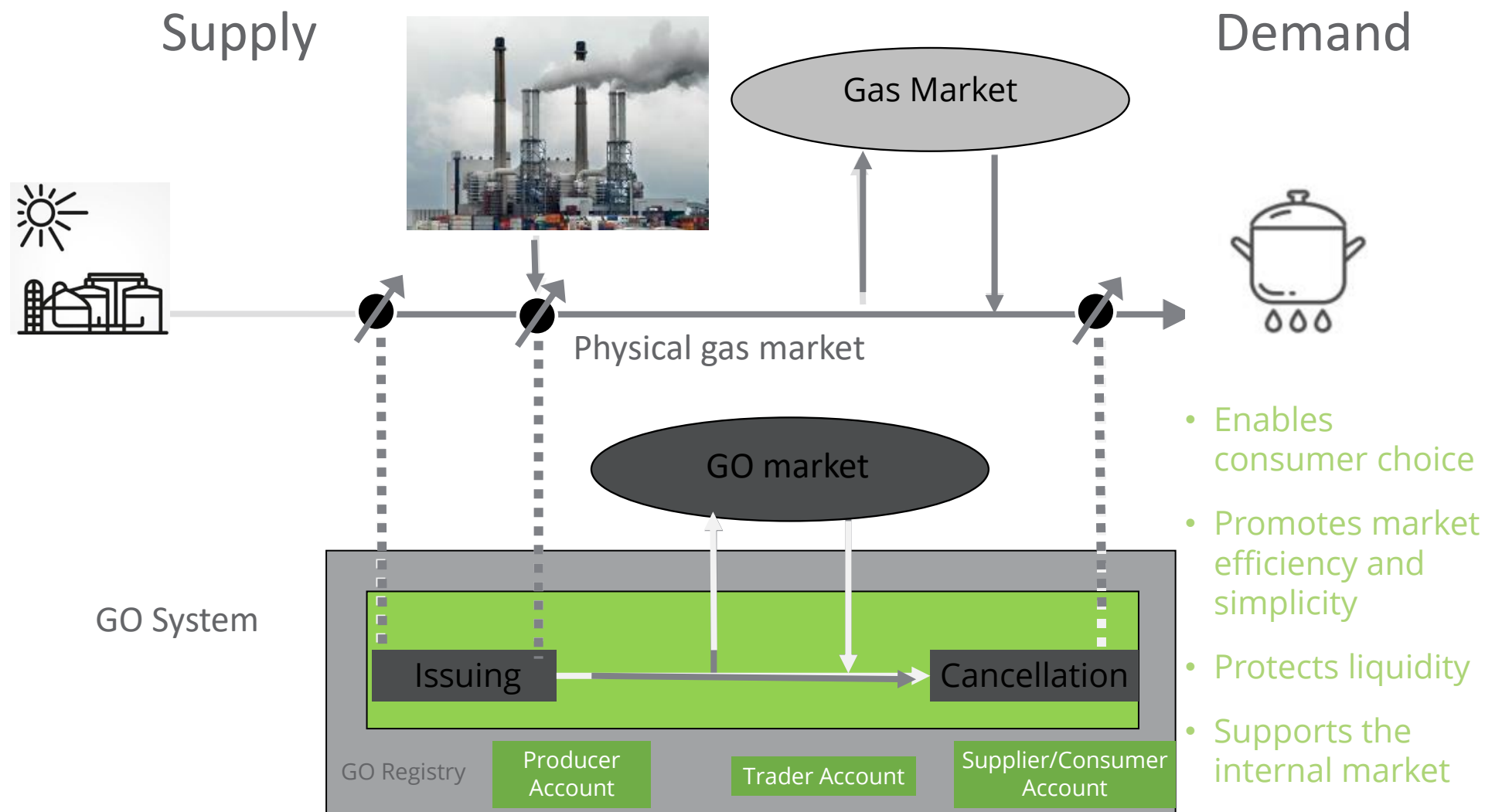
The EECS system and its application to renewable gases

REGATRACE workshop, Vilnius

Katrien Verwimp – Coordinator Sector Integration for Energy Certificates, AIB

October 20th, 2021

Book and Claim Certificate System



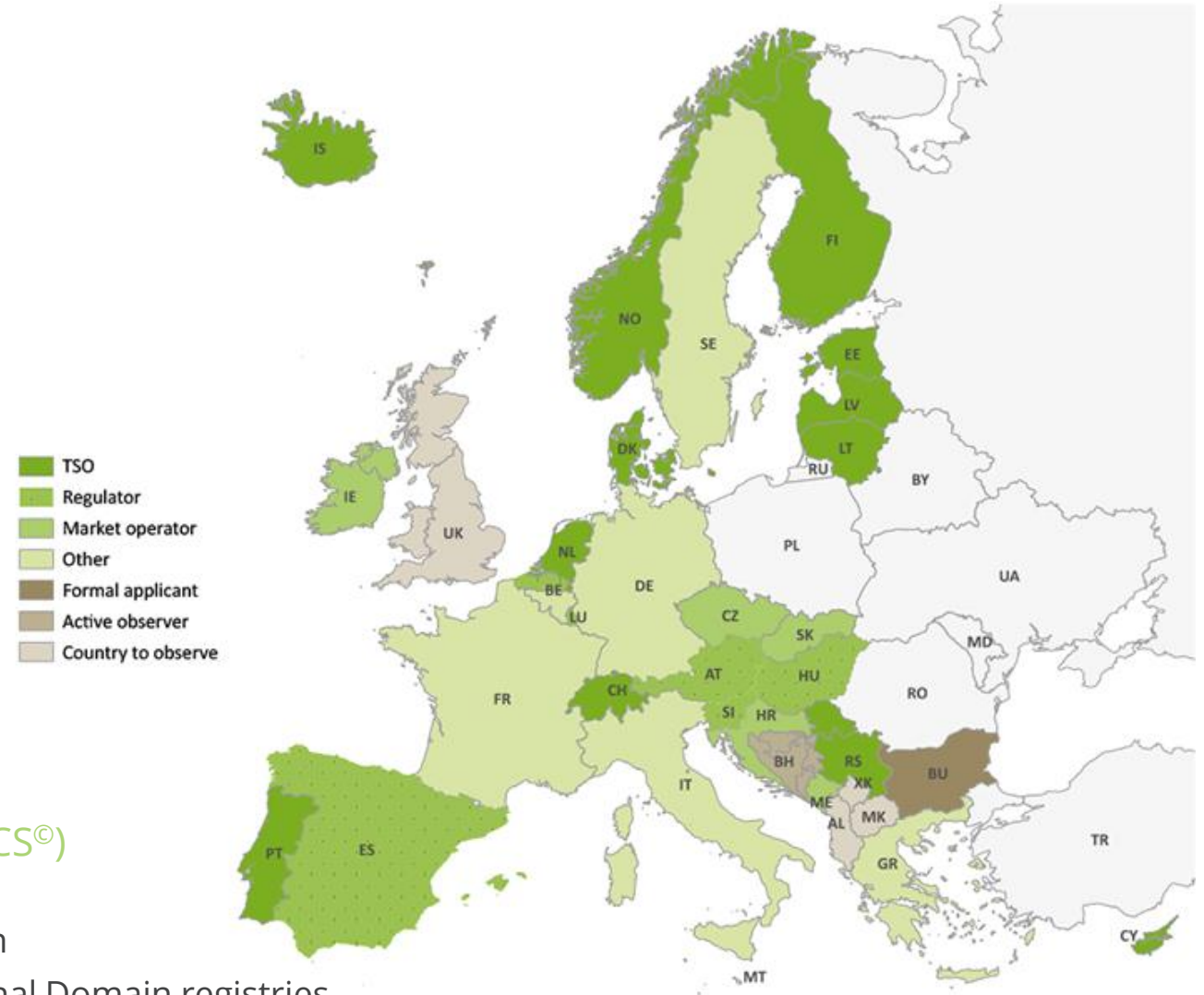
AIB and its Member Countries / Regions

The Association of Issuing Bodies - Facts

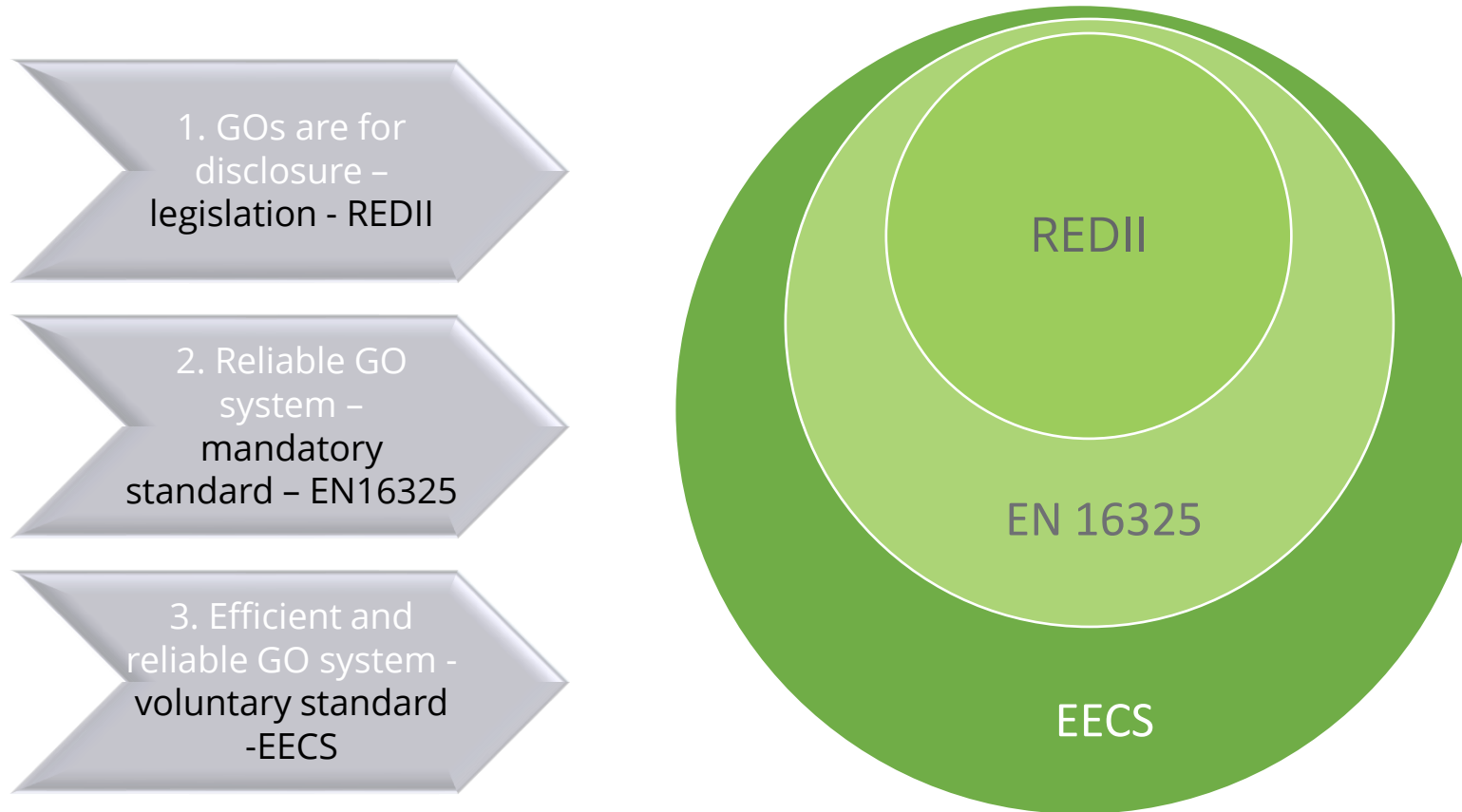
- AIB: non-profit association founded in 2002,
- Now 27 countries connected (31 members)
- Geographical scope: EU - EFTA – Energy Community
- Issuing Bodies are very diverse: regulator, market operator, TSO, ministry, power exchange etc.
- All AIB's current members are issuing bodies for electricity GOs
- About half AIB's members are also competent bodies for the supervision of electricity disclosure
- 7 AIB members assigned by their government for issuing gas GO – 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**



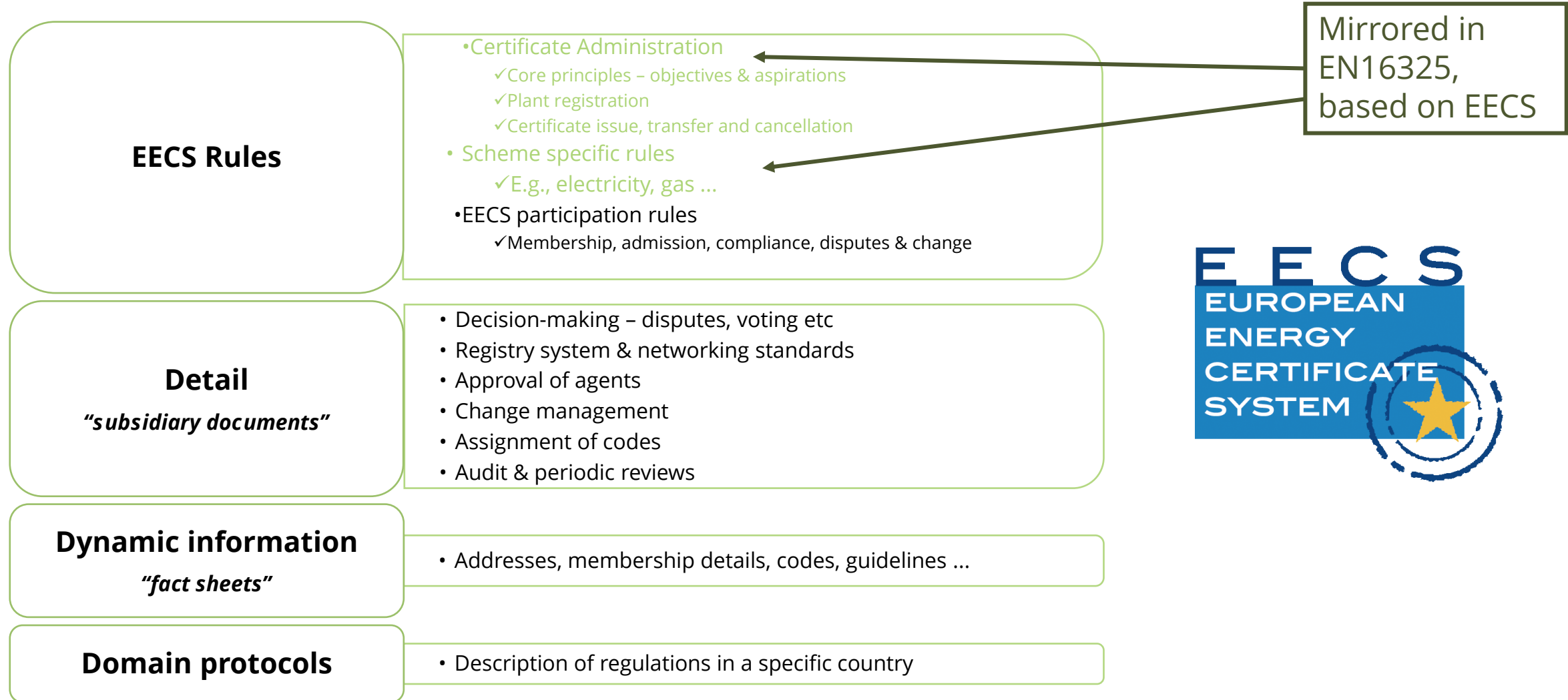
Framework for cross border harmonisation of guarantees of origin



Note: EECS covers also other products than guarantees of origin

The European Energy Certificate System (EECS)

Framework



What does a Certificate look like under EECS™?

European Energy Certificate

Energy Medium
• Electricity / Gas
Product
• Guarantee of Origin / Support Certificate / Non-Governmental Certificate
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) *

*Optional field

Data fields Generic certificate

Additional Gas certificate (**)

Type of Gas
• Networking 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*

*Optional field

! Updating the data field structure is subject to a vote by the AIB members.
(**) EECS Gas Scheme update ongoing

The AIB HUB

Framework

→ International transfers of electronic documents

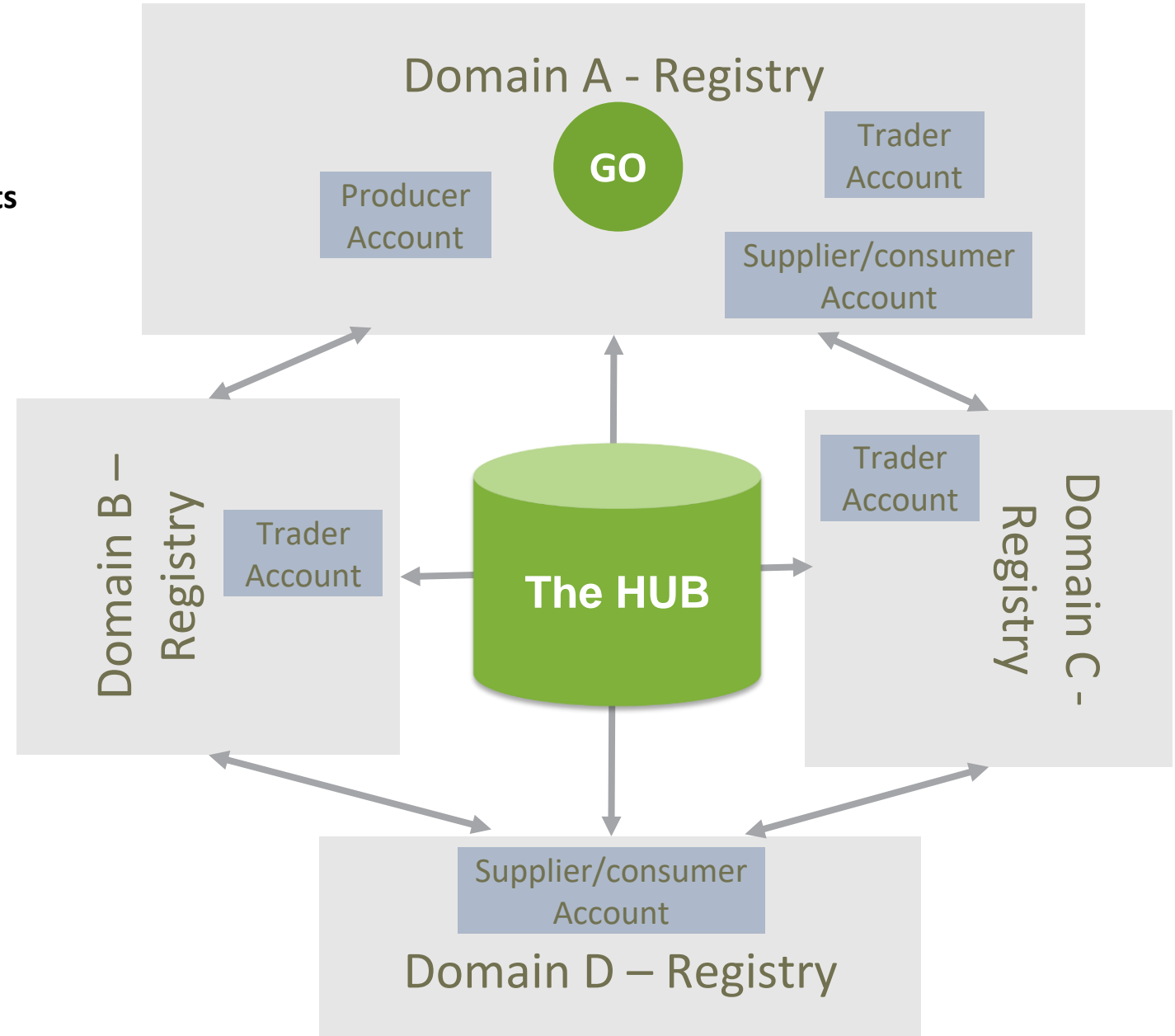
- 2020: 618 million GOs cross border transfer
- 27 Domains

→ How

- Standardised
- Automated
- Jointly operated

→ Why

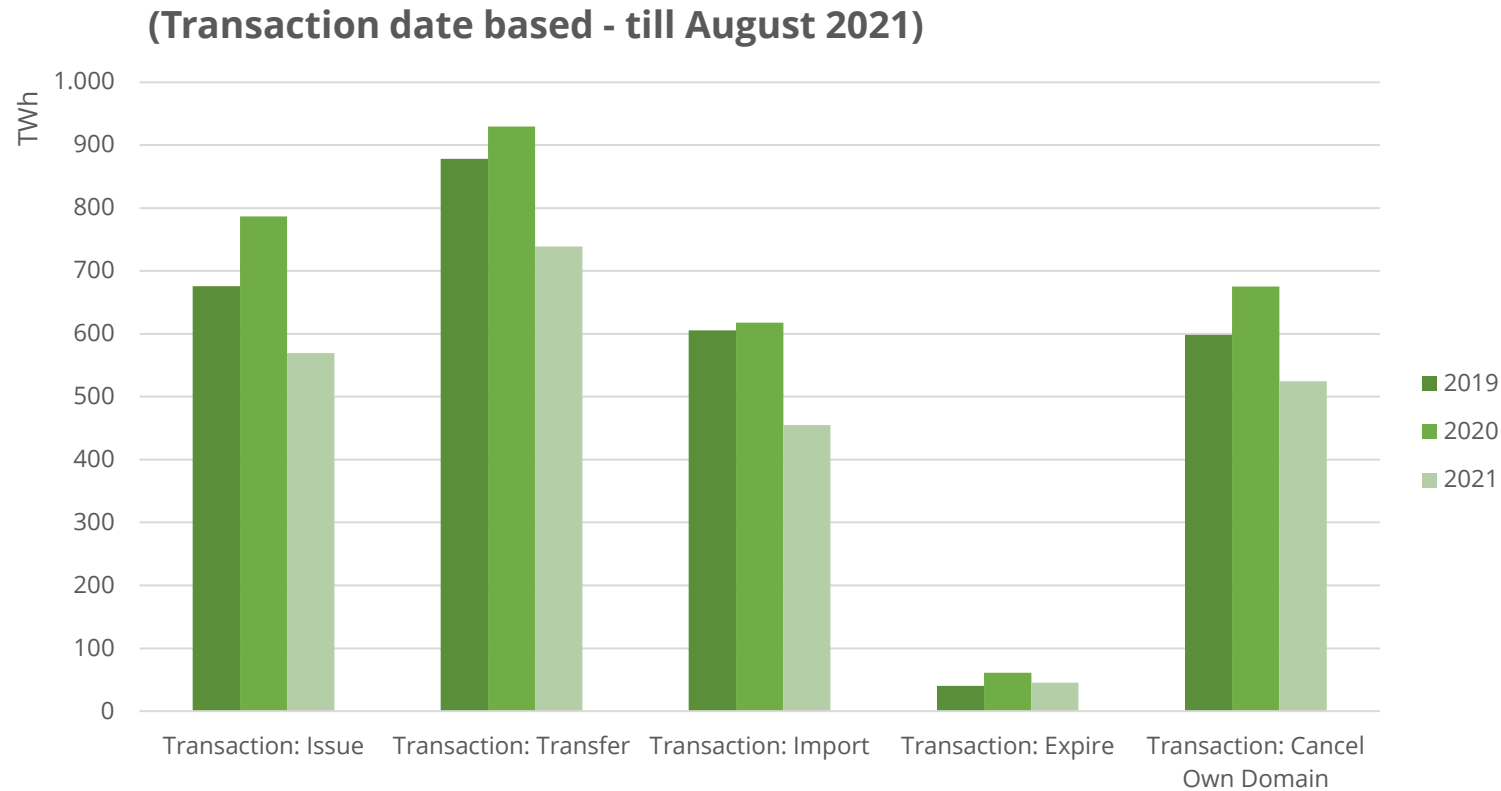
- Efficiency
- Trust
- Fraud prevention



Size of the market for electricity GOs

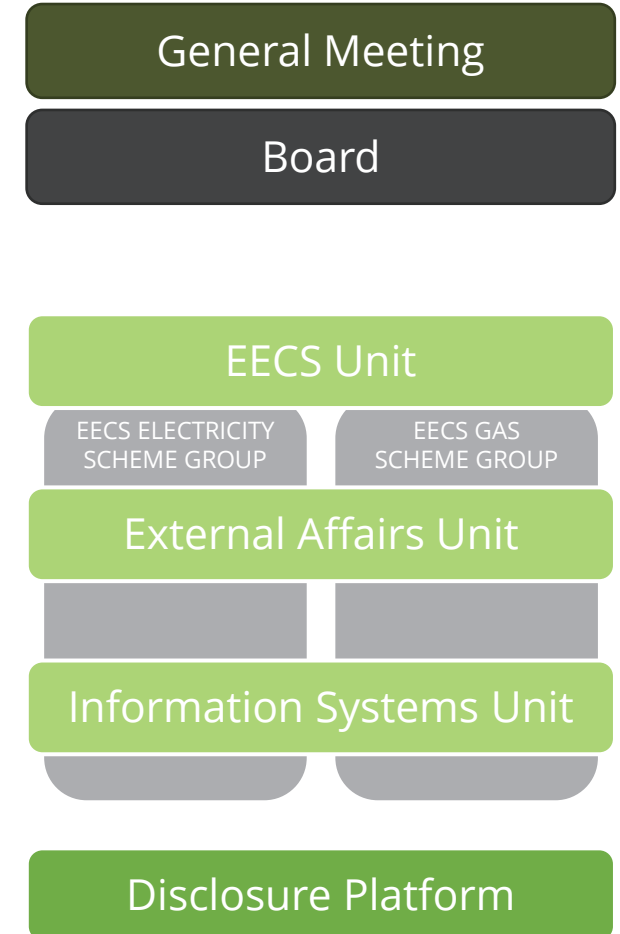
AIB Statistics

Annual EECS transactions by transaction date (TWh)



AIB organised to facilitate multi-energy carriers

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/eeecs/eecsr-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



- Updated Domain Protocol Template for Gas
- Gas Scheme finetuning
- CEN follow-up
- Updating the EECS data field structure
- Joint Board meetings AIB – ERGaR: complementary missions
- Consortium partner in CertifHy 3 and REGATRACE
- Non-Governmental Certificate Scheme(s)
 - CertifHy
 - ...

Thanks!



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Upgrading

Moving fast: go alone,

Moving far: go together