Presentation Biogas PowerON 27/09/2023

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Secretary General



Introducing ERGaR

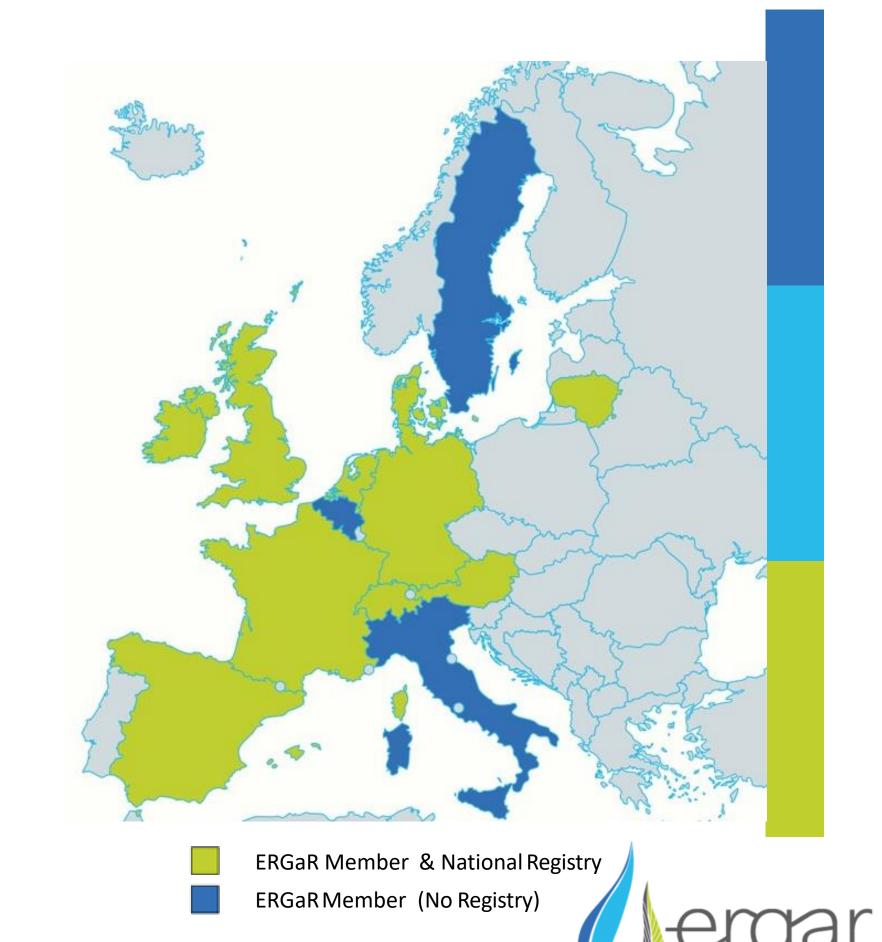
- ERGaR is the European Renewable Gas Registry
- What do we do?
 - Facilitate the cross-border transfers of renewable gas certificates (Certificates/Guarantees of Origin)
 - Provide a forum for the collaboration of renewable gas registries and market participants in Europe



ERGaR members

• 34 ERGaR members in 13 European Countries

- Established biomethane / renewable gas registries, appointed issuing bodies
- Gas DSOs & TSOs
- Biogas associations
- Traders
- Other major stakeholders of the European biomethane market
- Open for all
 - Interested in becoming a member? Send an email to info@ergar.org

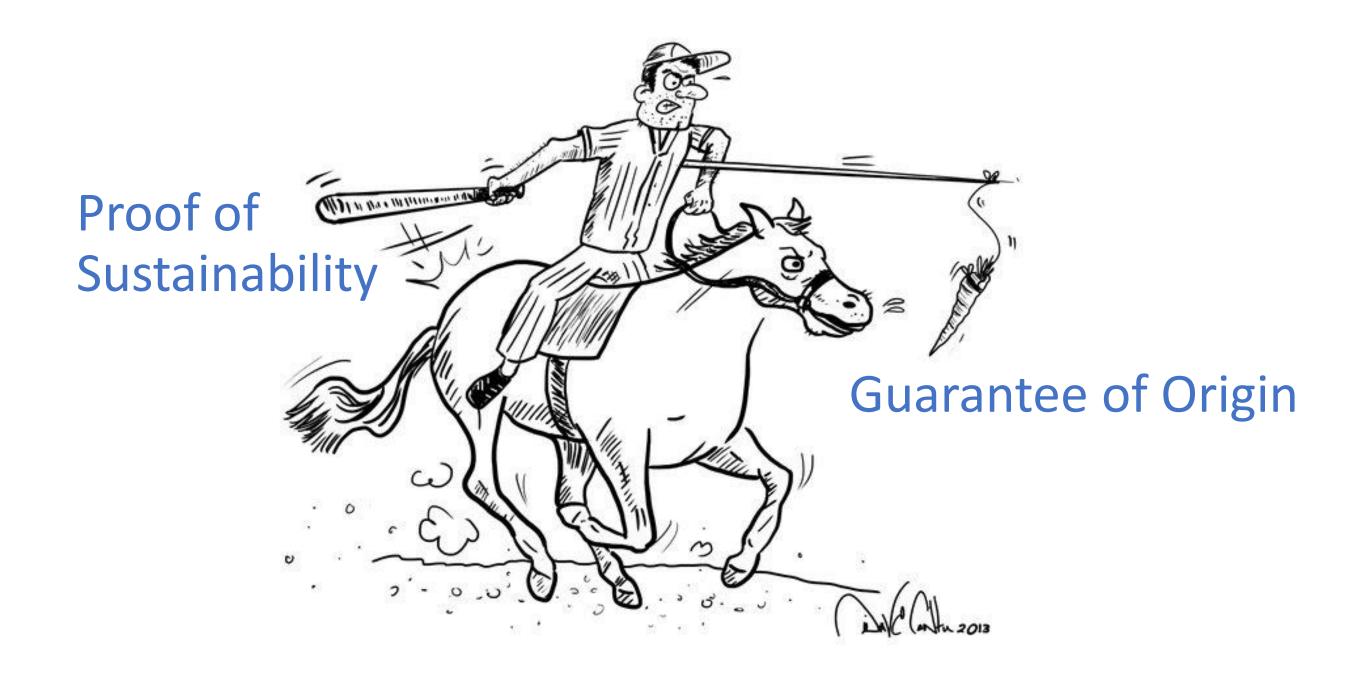


Question

What is the difference between a Guarantee of Origin and a Proof of Sustainability?



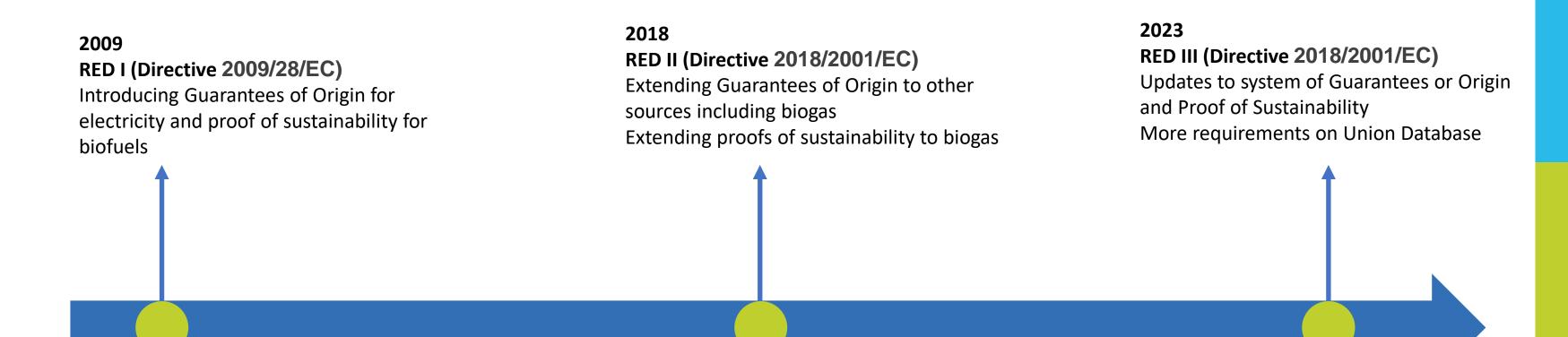
Why certification?





Legislation

A brief history





Types of certificates

Key characteristics

Certificates

Guarantee of Origin (GO)

Proof of Sustainability

Others (e.g. Certificate of Origin)

Legal basis

Art. 19 RED II

Art. 25-21 RED II

None, national legislation

Purpose

Consumer disclosure

Target counting

Renewable obligations, disclosure

Verification

EN 16325

Recognised voluntary schemes

National legislation

Issuing body

Government appointed

Sometimes national databases, none

Differs (e.g. dena)

System

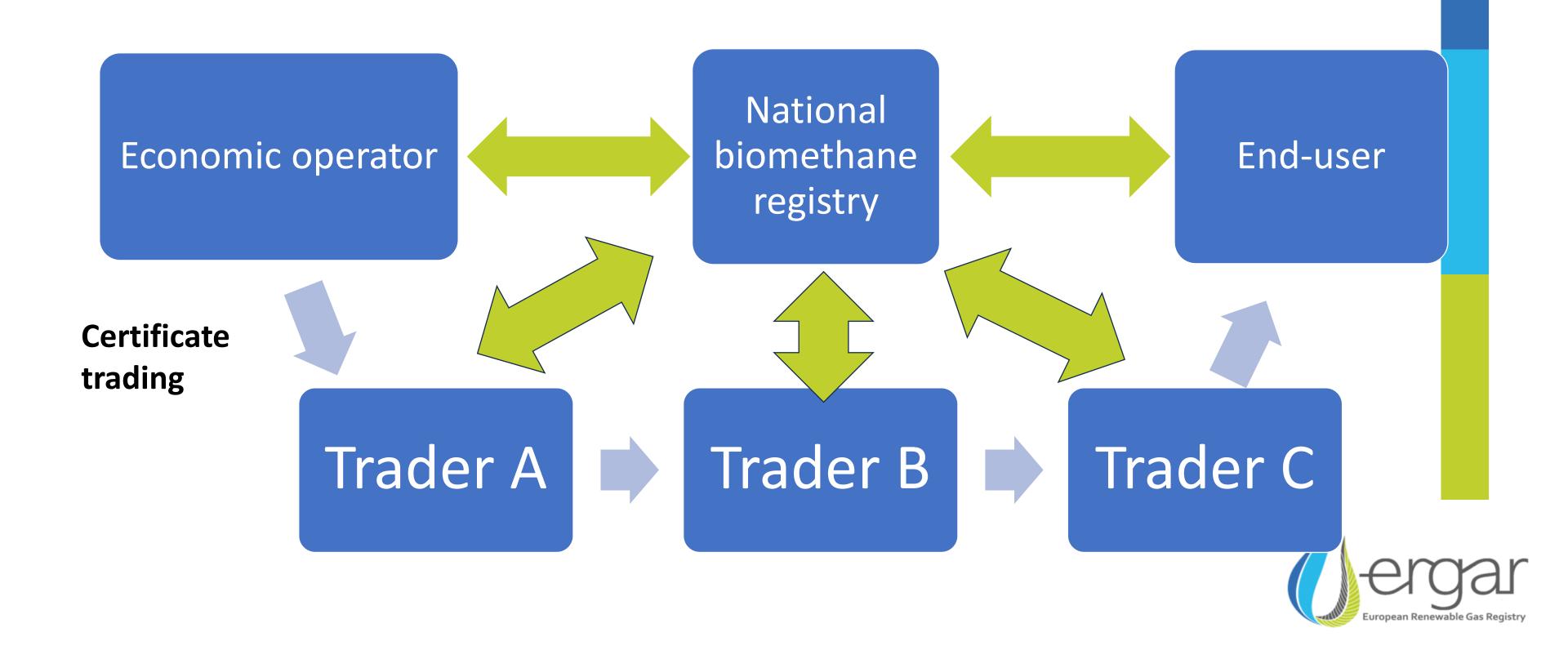
Book & claim

Mass balancing

(Generally) book & claim

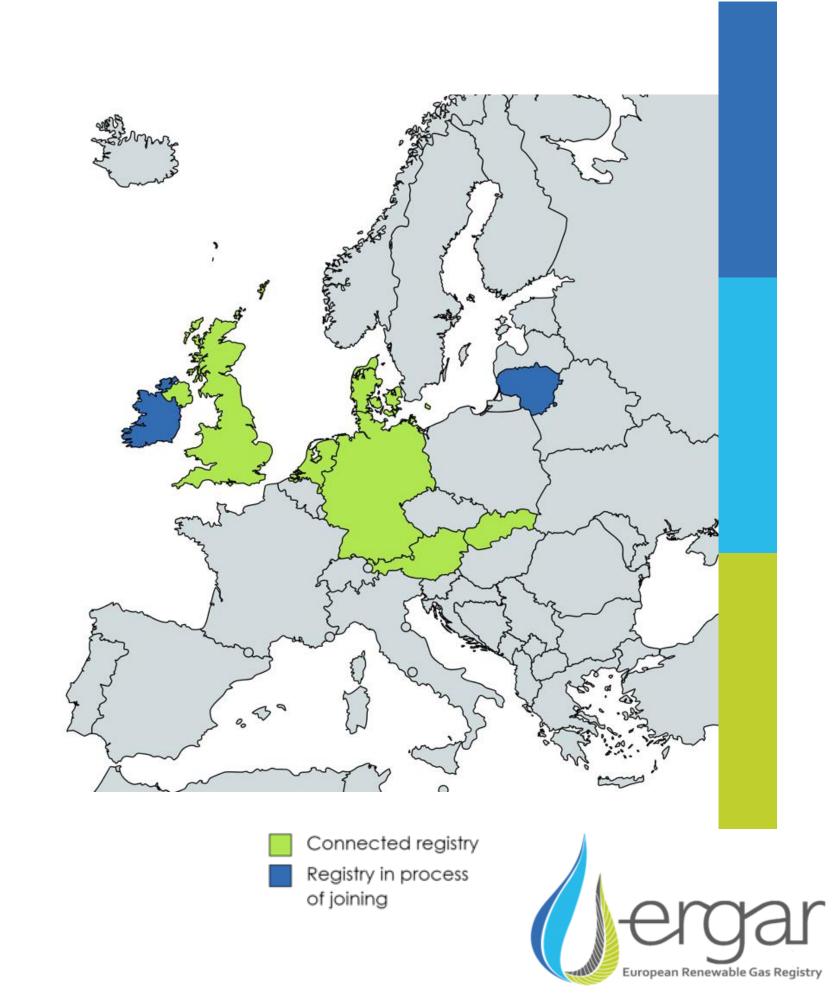


Guarantee of origin in practice



Trading GOs/COs

- National registries in place for trading GoOs/CoOs
 - Sometimes government approved (e.g. NL, DK) with a GO, sometimes not (e.g. DE, UK) with a CO
 - The keep track of owner of certificate
 - Many registries under development
- Cross border trade via ERGaR for member countries
 - ExtraVert platform allows certificates to be send from one member registry to another



Trading GOs/COs

Cross-border transfers via ERGaR platform

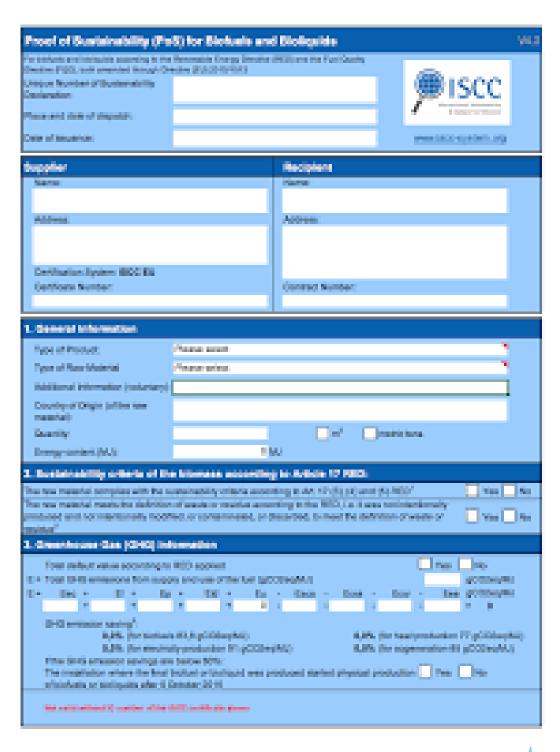






Proof of Sustainability

- Document that confirms the production is sustainable according to RED II rules
 - Allows Member States to count production as part of their renewable energy goals
 - More information than for GoO/CoO, can also be combined depending on national legislation
 - Should follow the gas along the supply chain
- Can be issued by producer after audit/approval by EU recognised voluntary scheme
 - E.g. ISCC, REDCert





Trading PoS in practice

Biomethane installation:

Get audited by voluntary scheme

Produce biogas

Provide PoS with biogas sold

Trader:

Buy biogas with PoS

Being audited by voluntary scheme

Sell biogas including the PoS

End user;

Buys biogas including PoS

Use PoS for compliance or subsidies

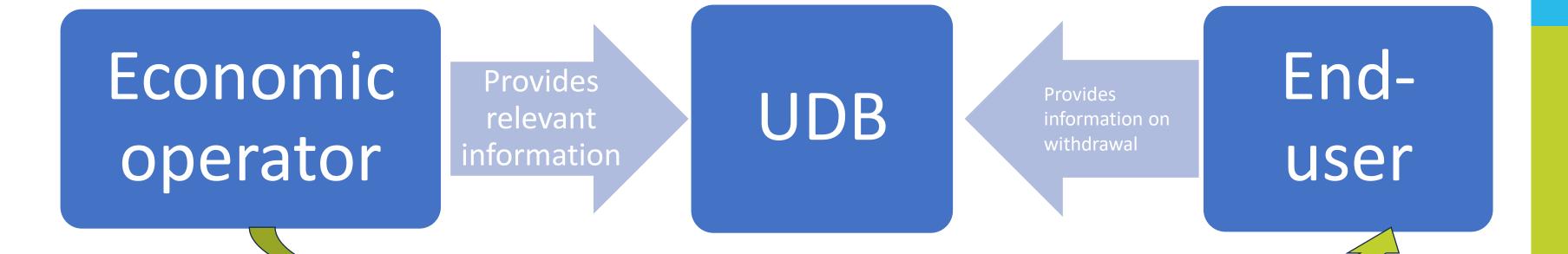
Consume the gas



Union database

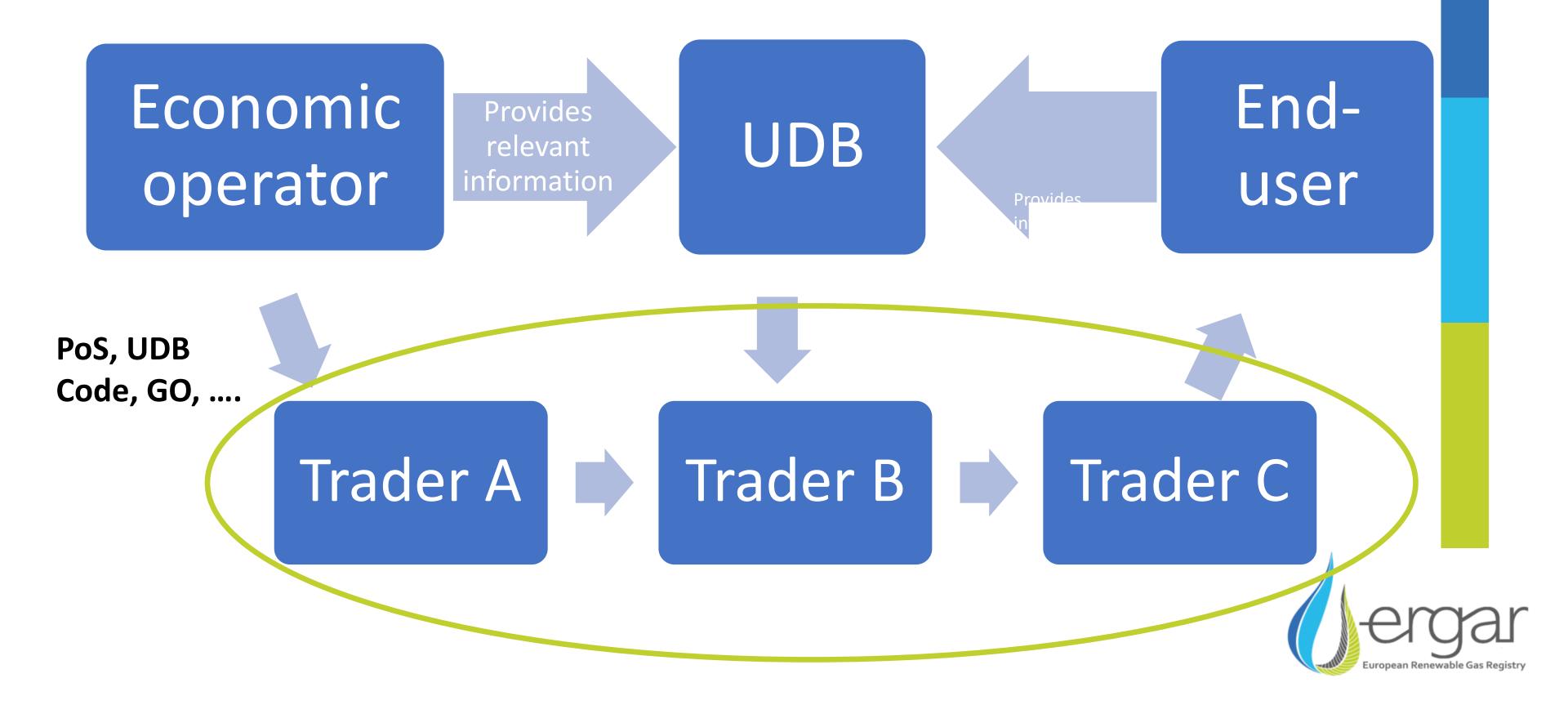
New initiative by European Commission

- Goal: Mass balancing (i.e. only applicable for biomethane with PoS)
- Still many things unclear
 - Disclaimer: Only presenting my understanding of the situation





Union database



Union database

Open questions:

- How will the information on biogas be submitted to the UDB?
- Will the UDB codes be tracked?
- How will it be verified that the information inserted is correct?
- How to link the UDB with GOs to avoid double counting?





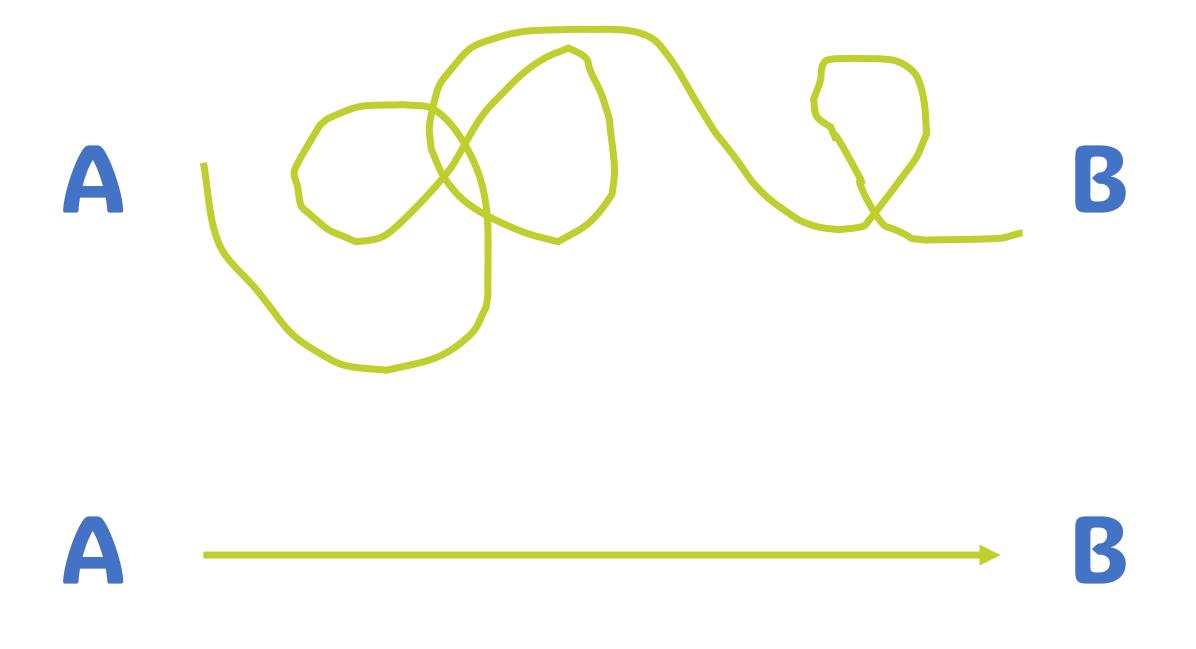
Vision for the future

Renewable gas certificates were 'born' in 2018





Future: One simple system for PoS and GO

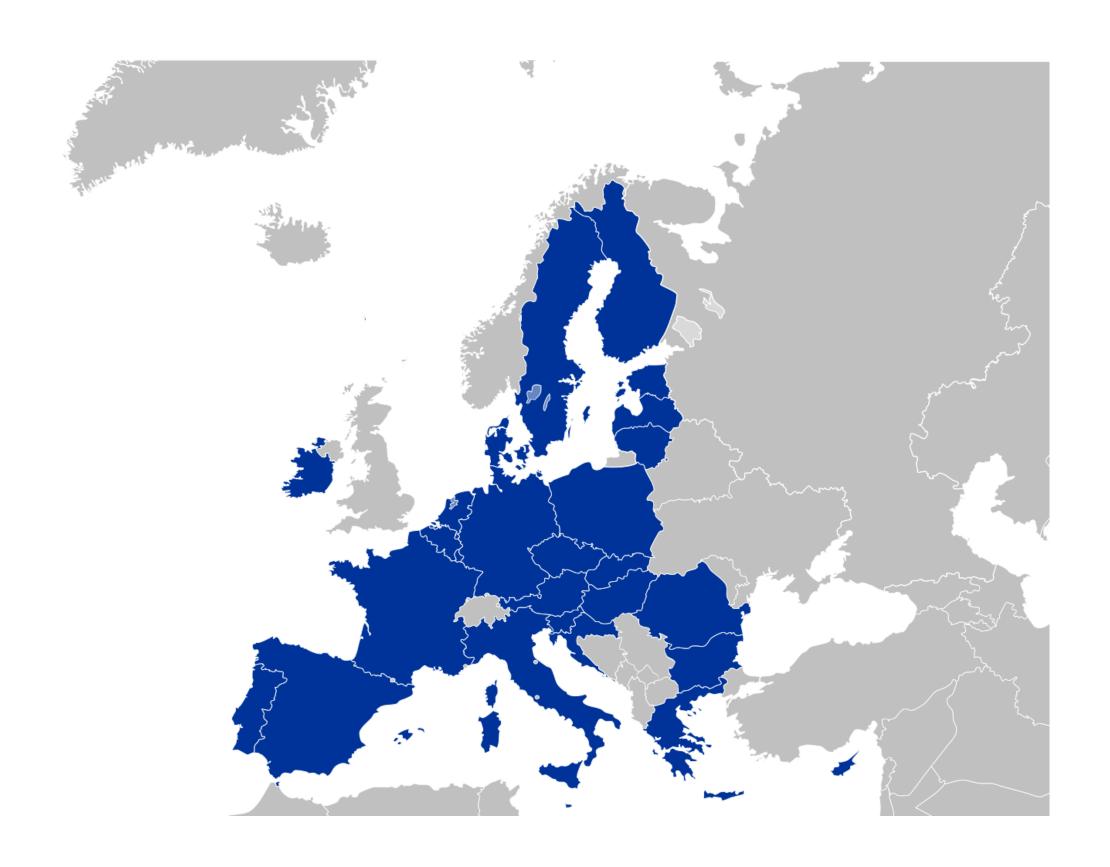




Future: Easy conversions from gas GO to electricity GO



Future: Trading within and outside Europe with one platform





Future: Transparent and mature market





Thank You!

