

Promoting Energy Community system for guarantees of origin for electricity

Markus Klimscheffskij, 16.11.2023

It's plug and play but...



Enabling green economy since 2003

Leading energy certificate registry provider

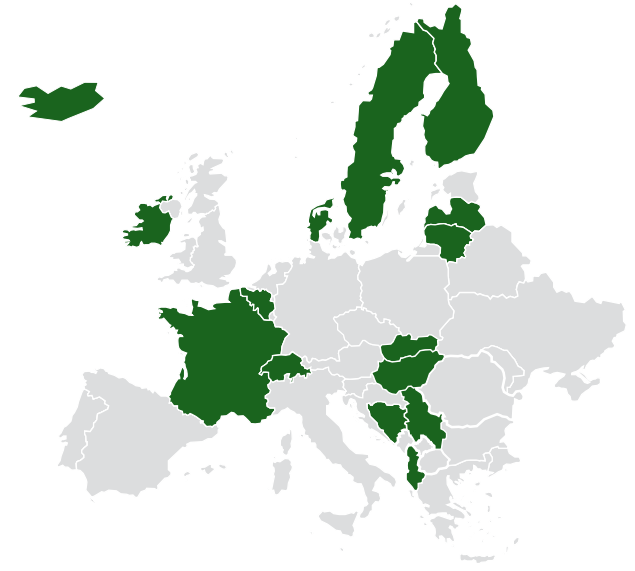
- 40 professionals in 3 countries, HQ in Finland
- Used in 18 countries by over 20 000 companies
- ISO 27001 certified for IT security
- Carbon neutral

GO registries for all energy carriers

- Electricity, biogas, hydrogen and heating & cooling
- Continuously updated for many clients collectively
- Compliance with EECS, CEN 16325 and RED I & II
- 20 years' experience in EECS, GOs and disclosure

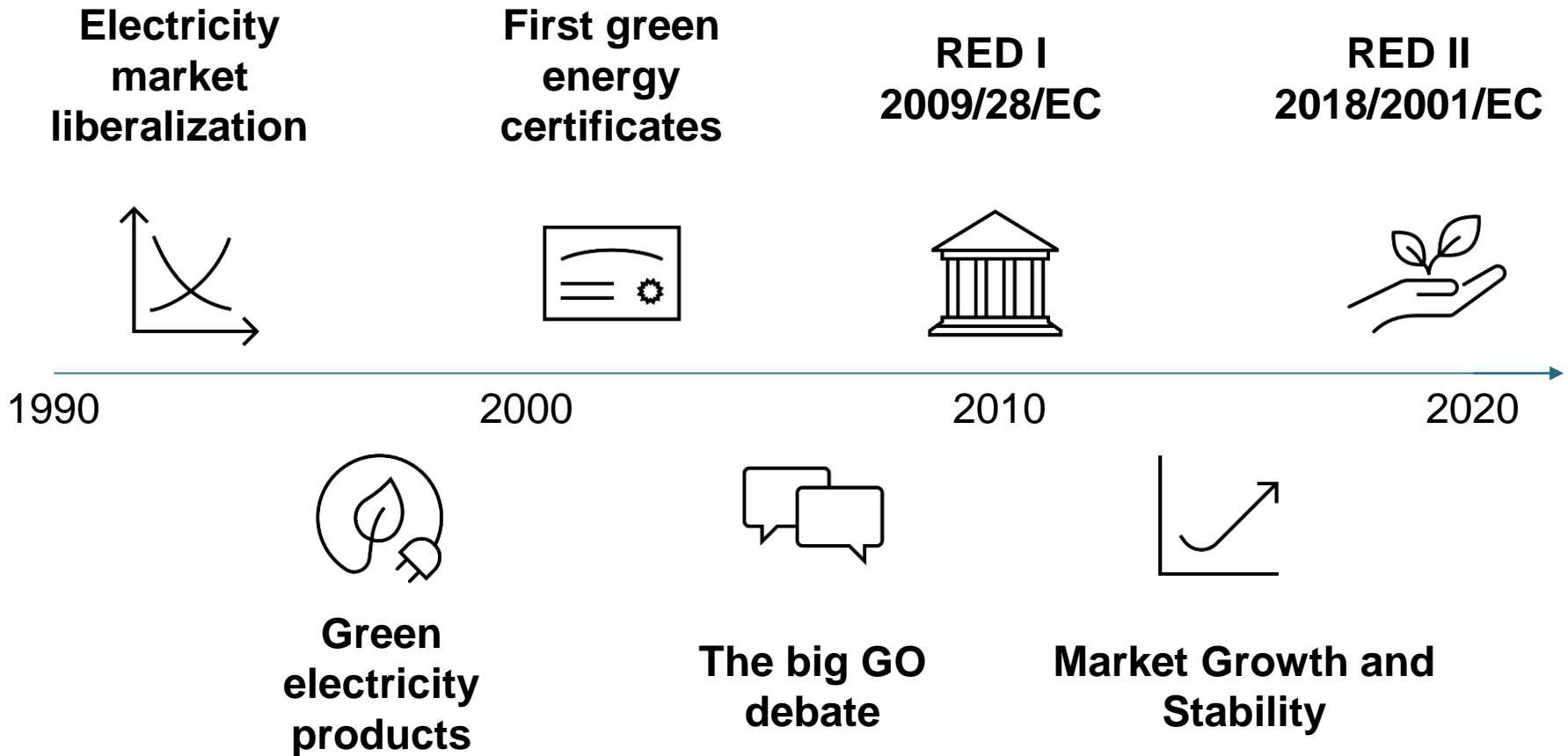
Part of European Energy Exchange Group

- Grexel can contribute to greater energy market infrastructure (exchange and clearing).



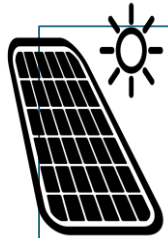
- 9 EECS-GO electricity registries
- 5 Biogas certificate/GO registries
- 2 Heating and cooling GO registries
- 1 Support certificate registry
- 1 Hydrogen certificate registry
- 1 GO auction platform
- 1 Carbon removal registry
- **22 registries in 18 countries**

GO history in a nutshell



- GOs are not to be mixed with:
 - Green certificates used for public support schemes
 - Sustainability certification renewable transport fuels (RED II, Art.25)

Promoting RE investments and engaging consumers in the energy transition



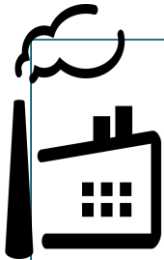
Producers

- Incentive to invest in renewables
- Healthy energy market



Suppliers

- Branding / Differentiation
- Premium products



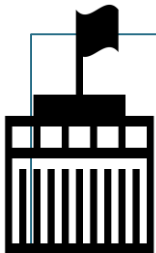
Industry

- Green differentiation
- Zero-carbon roadmaps



Consumers

- Sit on driver's seat
- Participate in RES support



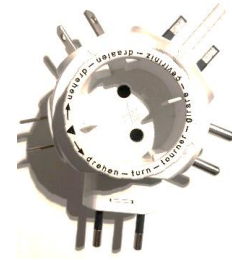
Government

- Hassle-free support instrument
- Insight on consumers' WTP



Environment

- More green power
- Accountable industry
- Consumer driven energy transition

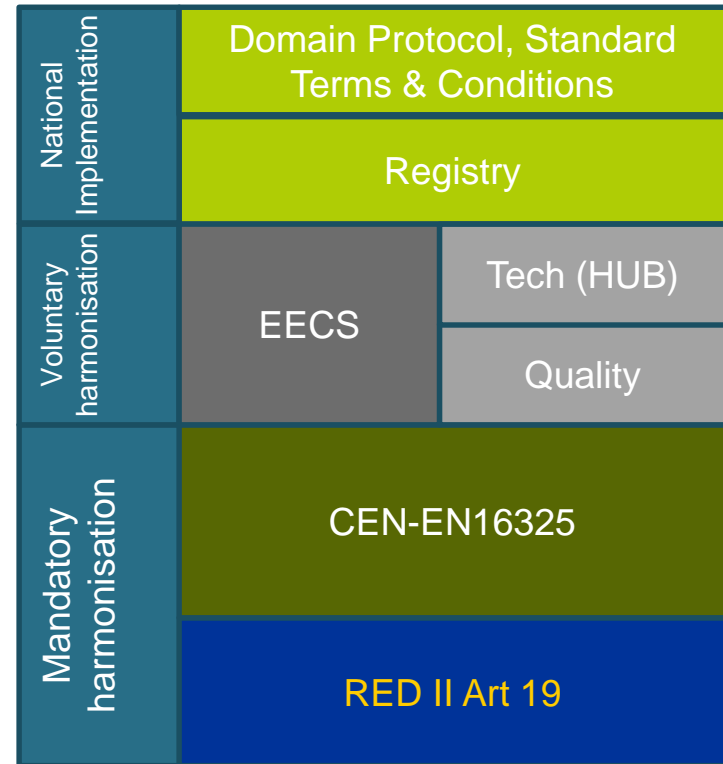


International harmonization – Association of Issuing Bodies and EECS

- Manages the European Energy Certificate System - **EECS**.
 - Voluntarily harmonized quality and technical standard for GOs

- Manages the **AIB HUB** which is the **interface between national registries**

- **27 Countries** connected to the AIB HUB
 - Members are governmentally appointed issuing bodies (1 per domain)



How to fulfill all this?



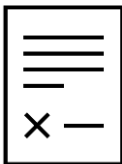
Project: Establishment of a Regional system for guarantees of origin in the Energy Community



1. **Establish a national electricity GO registry in each domain:**
 - GOs internationally transferrable among the Energy Community domains
 - Fulfills EECS, RED I&II, CEN requirements now and in the future.
 - System extendable to all energy sources and energy carriers (RED II).



2. **Training and knowledge transfer:**
 - Train all competent bodies as proficient registry users before go-live
 - Familiarize other users of the system (future Account Holders)
 - Knowledge transfer beyond what is strictly in the scope of the project
 - GOs, residual mix, disclosure, markets, EECS DP



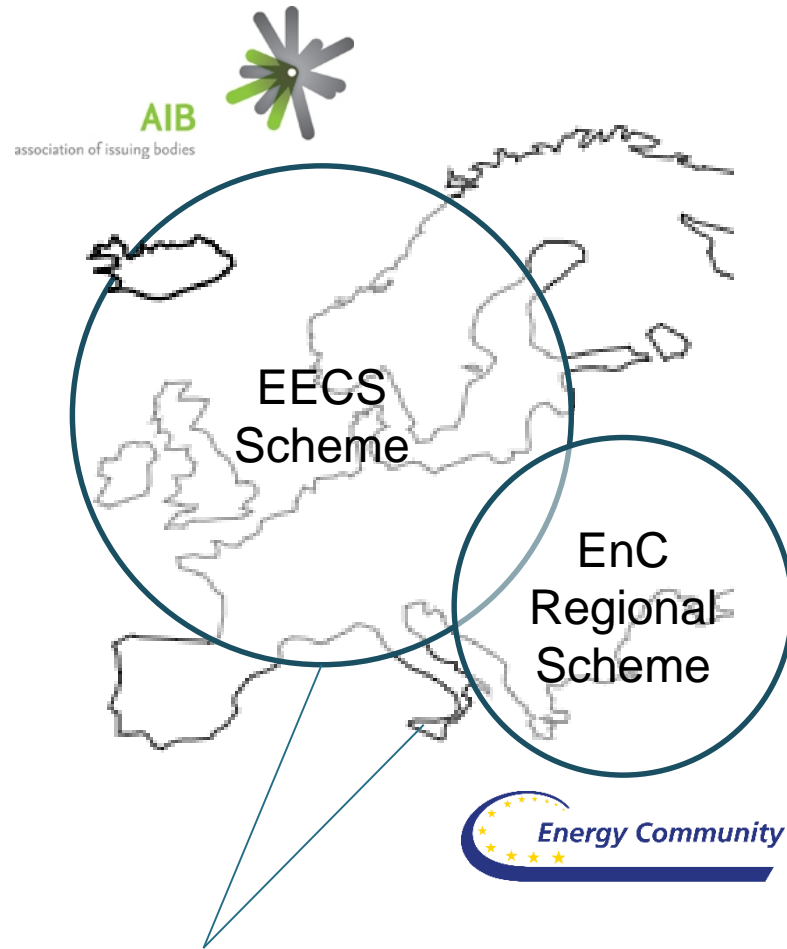
3. **Continuation framework after project:**
 - Developed national registries will be kept ready until June 2023
 - Direct agreement made available for competent bodies and ready for signing



4. **Prepare for AIB Membership:**
 - Compatibility and hub connection maintenance guarantee
 - Enables a stepwise approach for international transfers



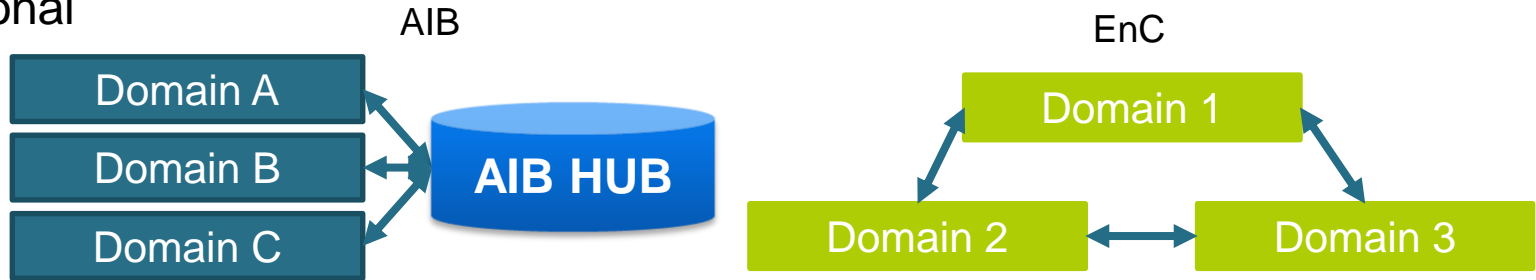
Regional GO Scheme - Intro



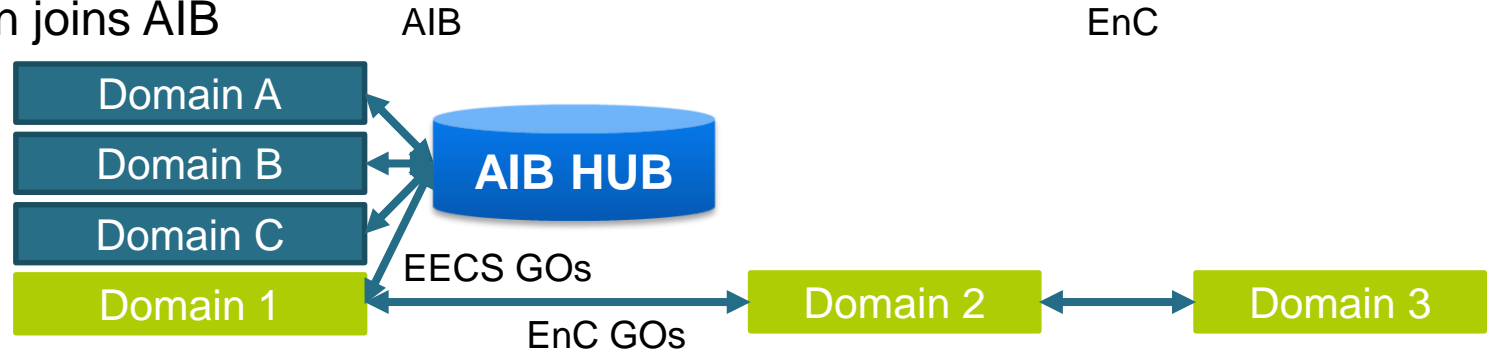
100% technical compliance

3-Step approach

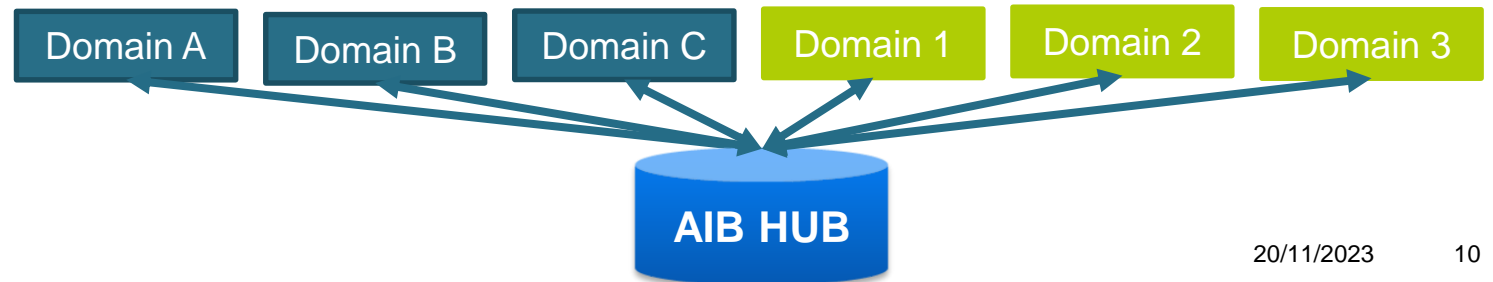
1. Purely regional



2. First domain joins AIB

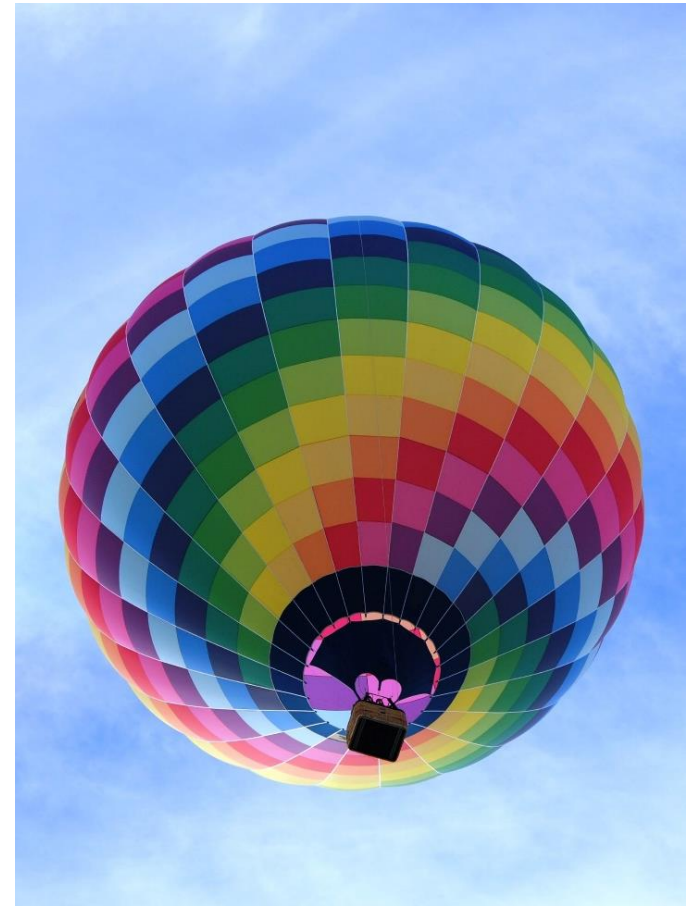


3. All EnC domains in AIB

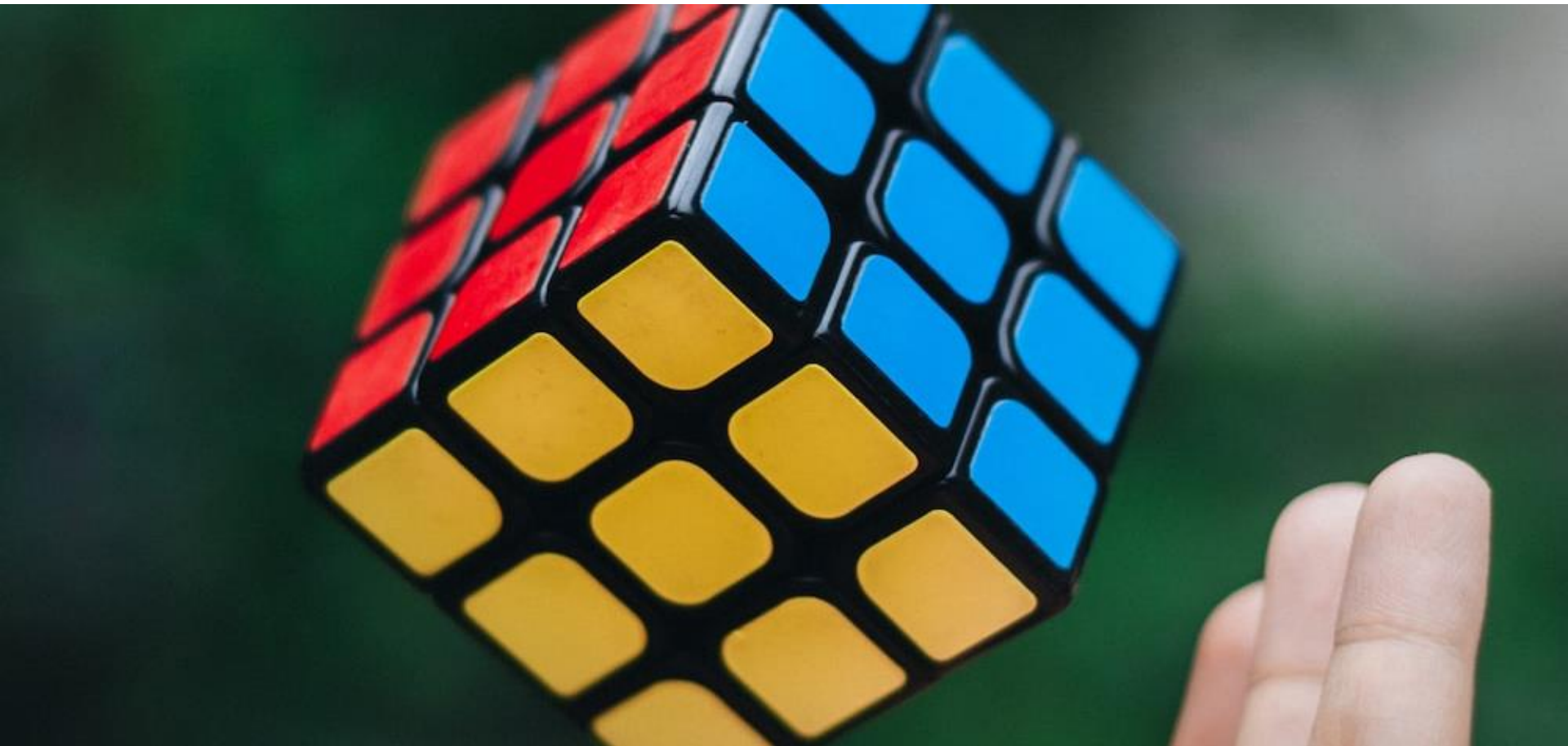


What happens next? – Up to you

- Grexel's offer has already undergone ECS public tendering
- Future-proof compatibility guarantee for now and the future
 - AIB, CEN-16325, RED I&II
 - May be modified to meet national needs with configurations
 - May be extended to all energy carriers
 - Modern, cloud-based & API first registry
- We are ready when you are!
 - Georgia, Albania and Republika Sprska have started



No buts...it's plug and play



Thank you!

Markus Klimscheffskij
markus@grexel.com

www.grexel.com