

# FaStGO – Facilitating Standards for Guarantees of Origin

Design specifications for GO market statistics  
Draft Recommendations

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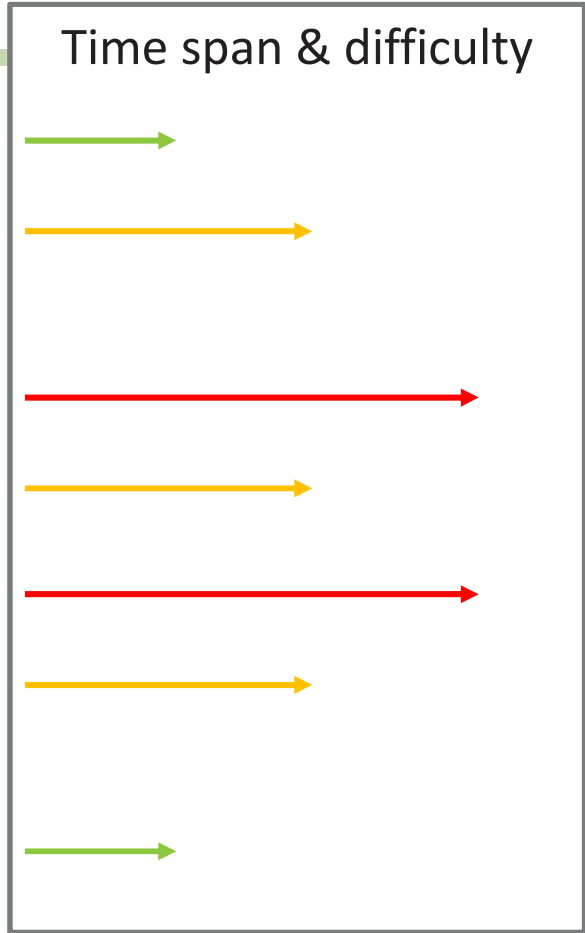


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# Recommendation categories from FaStGO & Survey

1. Improving the usability of the current statistics
2. Introducing new data elements related to EECS GO statistics
3. Facilitating new tools for retrieving statistical data
4. Introducing new data elements outside of EECS
5. Including price information in the statistics
6. Facilitating market statistics of GOs for non-electricity energy carriers
7. Miscellaneous improvement opportunities



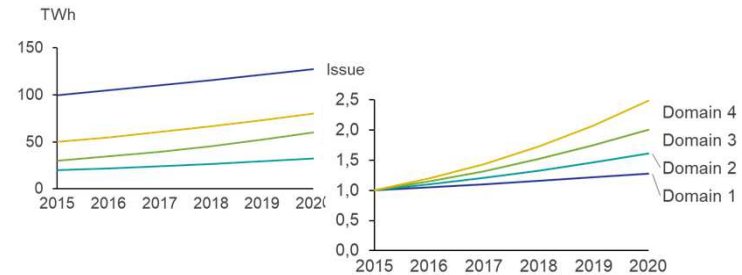
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# Opportunity 1: Improving the usability of the current statistics (main proposals)

## 1. Introduce ready made graphs

- Development of volumes over time e.g. per transaction, domain, energy source
- Transactions per domain during a give time period



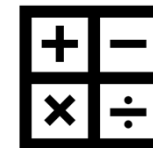
## 2. Data in pivot format

- Dynamic altering of graphs and data content according to the users' needs.
- Use of slicers / filters

ES Code 1	ES Code 2	ES Code 3	Domain	Transaction type	Transaction time def.	Year	Month	Value
RES	Wind	Wind-onshore	Domain 1	Issue	Production	2020	January	100
RES	RES UN	Wind-onshore	Austria	Issue	Transaction	2001	January	
NUC	Biomass	Wind-offshore	Belgium	Transfer	Production	2002	February	
FOS	Solar	Wind-unknown	Switzerland	Import		2003	March	
	Geothermal	Hydro/marine	Cyprus	Export		2004	April	
	Wind			Cancellation		2005	May	
	Hydro			Expiry		2006	June	

## 3. Analytics of historical trends

- Historical growth rates by transaction type, country, energy source...



Recommendation Op. 1: Consider immediate implementation.



## Opportunity 2: Introducing new data elements and categorisation structures in EECS GO statistics

1. Data by counterparty domain and production domain
  - Volumes per originating domain of the GO, originating/destination domain of transaction.
2. Data by certificate attributes
  - Volumes per support type, PD age, PD capacity range, FS5 codes
3. Data on transactions
  - Number, average size
4. Domain specific general information (already available in Annual Report)
  - Number of Account Holders, Production Devices, Capacity per technology... in the domain

### Constraints:

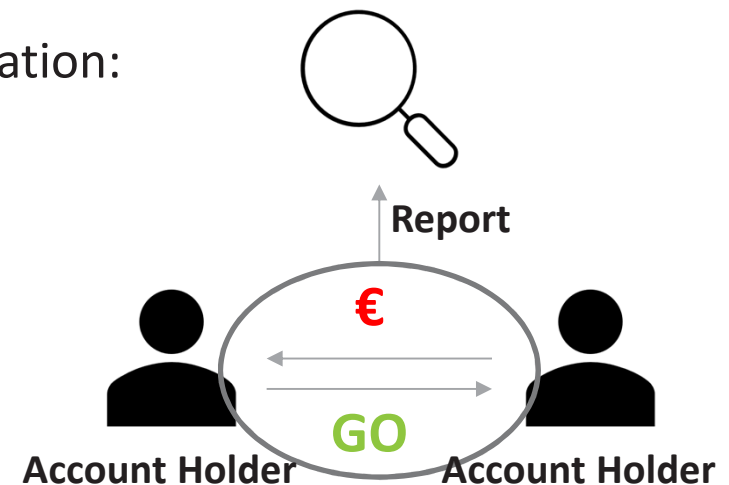
- Require collection of additional information
- Data confidentiality (individual trades) is of utmost importance as granularity increases
- Some of the recommendations exceed the limits of Excel



Recommendation Op. 2: Carefully weigh expected benefits with associated costs and within confidentiality constraints.

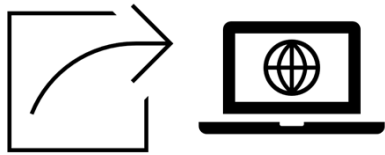
## Opportunity 5: Including price information in the statistics

- Price information for GOs currently lacking, which decreases transparency
  - Apart from centralized auctions
- Market parties have diverging views on usefulness of price information.
- Challenges of collecting reliable price information:
  - GO market dominated by bilateral trades
  - Relies on market parties' willingness to report
  - Transaction includes a variety of GOs
  - (Size of the transaction affects unit price)
  - (GOs are traded in forward contracts)



Recommendation Op. 5: A clearer mandate is needed, if collection of price information is sought.

### 3. Facilitating new tools for retrieving statistical data



- XLS continues as main tool
- Flexibility with dynamic reports and graphs.
- Tools such as API:
  - enable more granular data
  - ease integration with back-end-systems
- Especially if statistical reporting expands.
- Couple with other updates



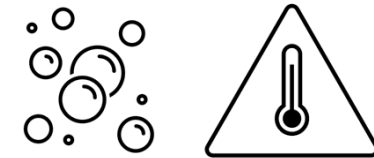
### 4. Introducing new data from outside the AIB



- Standard GO statistics throughout the single market
  - Call for the Commission, ENTSO-E, national authorities
- Energy production data from the single market for:
  - Full potential volume of the European GO market.
  - Market penetration of GOs
  - Calculation of the Residual Mix.

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### 6: Statistics of GOs for non-electrical energy carriers



- Volumes currently low.
- Clear distinction by energy carrier needed.
  - conversions reported separately.
- Needs of each new energy carrier to be considered
  - feedstock type, use purpose, country of origin (gas)
  - temperature levels (H/C)
- Higher transmission and distribution losses



# High-Level Recommendations

## General Constraints

- Details of individual trades or market participants are confidential.
- Technical limitations as to what IB's can provide.
  - Mandate and resources often set for the minimum requirement.



## AIB and Issuing Bodies

- Continue with monthly updates and improve usability (e.g. Pivot)
- For more complex upgrades, which require new data collection
  - weigh benefit, cost and confidentiality, and combine with other upgrades



## European Regulatory Framework

- Clearer mandate for data collection and publication for Issuing Bodies
  - No standardization currently apart from AIB
- Extend collection to all single market countries and non-electrical GO
- Centralized data on energy production in Europe (ENTSO-E & G).



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Thank you for your attention

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