



REGATRACE

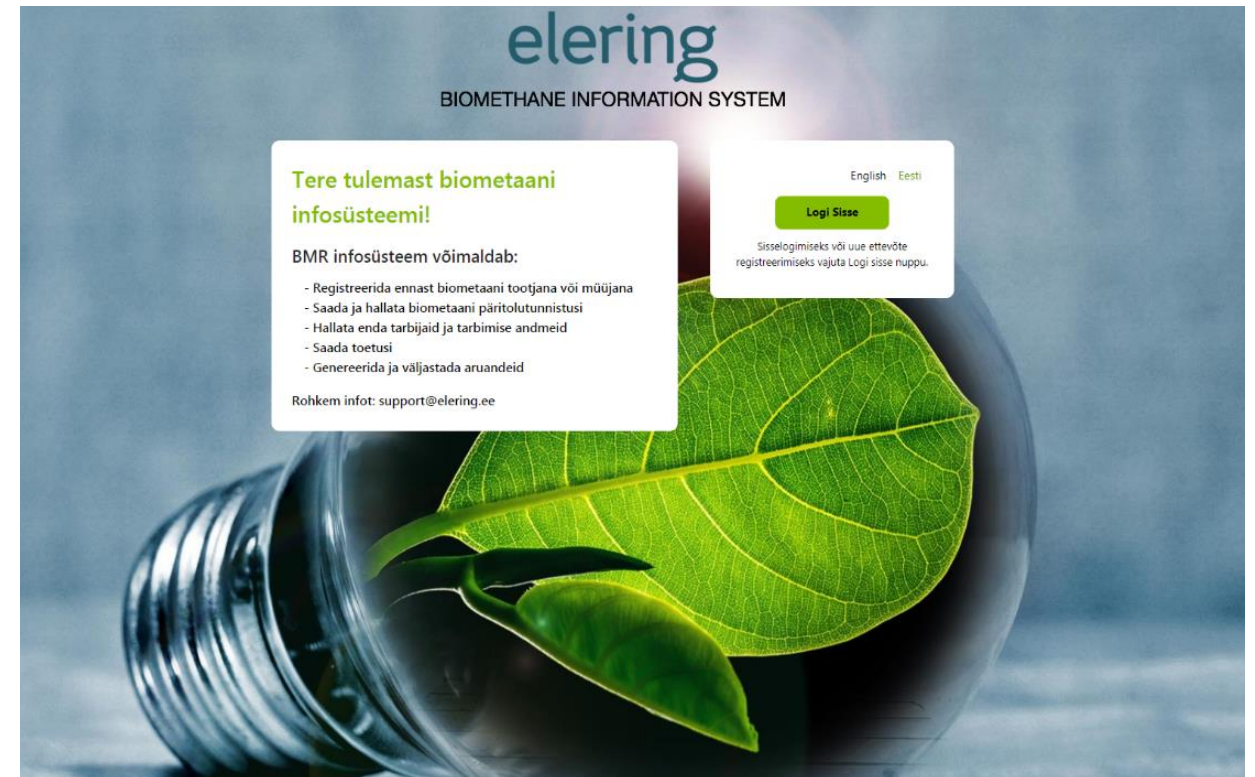
Renewable Gas Trade Centre in Europe

Estonian Renewable Gas Registry

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Milan
December 5th, 2019



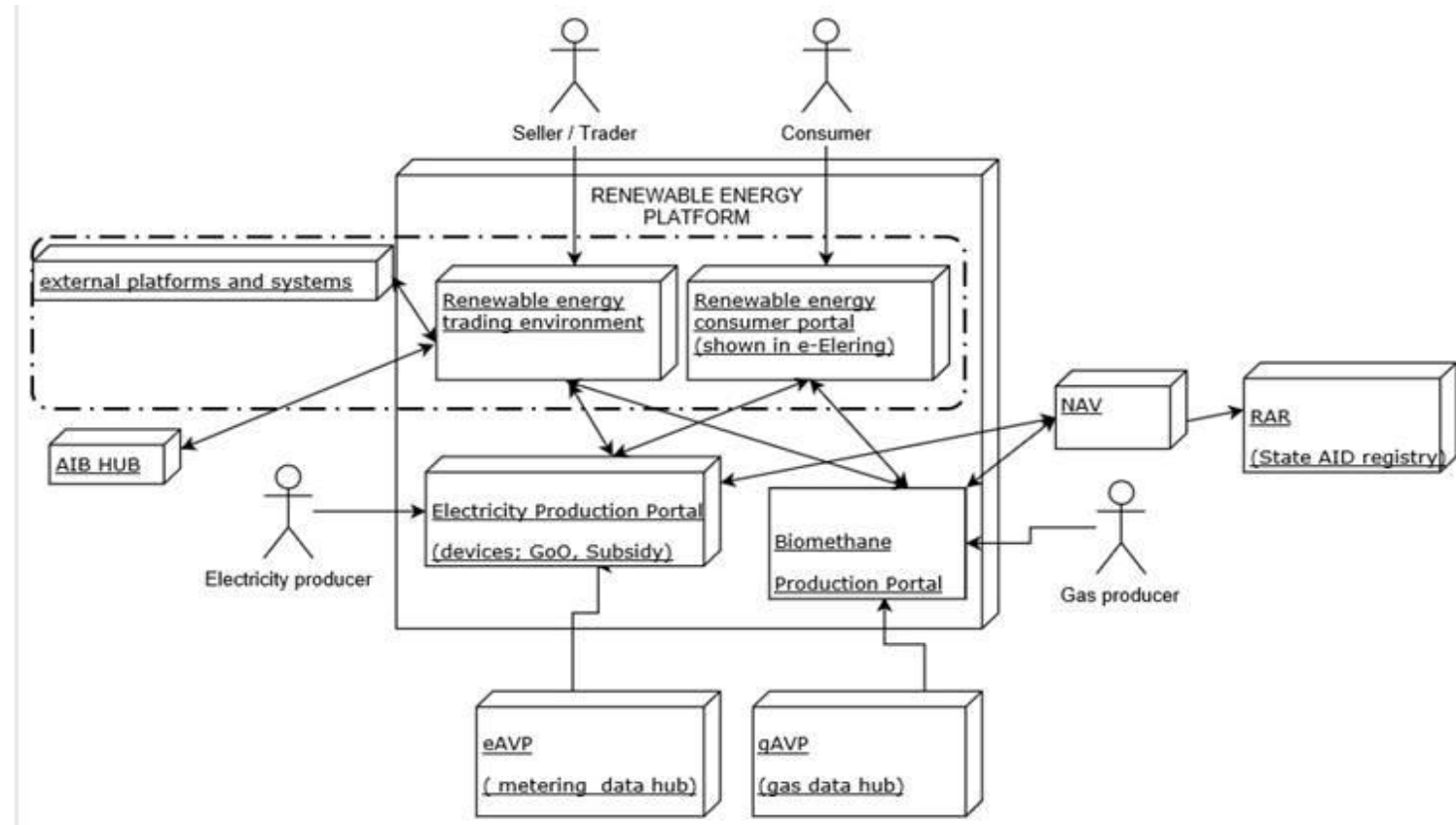
- Elering AS (TSO) and Renewable Gas Registry (BMR)
- Gas Data HUB
- GO (Guarantee of origin) issue, transfer and cancellation
- Biomethane subsidy
- Excise duty reports for grid operators



- **Elering AS** is an independent electricity and gas transmission system operator in Estonia whose main duty is to guarantee high-quality energy supply to Estonian consumers at all times.
- **The Natural Gas Act** obliges the Transmission System Operator to establish and manage the Estonian Renewable Gas Registry, where the main functions include issuing, transferring and cancelling Guarantees of Origin (GO).
- According to the Natural Gas Act Elering is the settlement agent responsible for issuing GOs with a unique identification for injected biomethane volumes on a monthly basis.
- The Estonian Renewable Gas Registry was completed in April 2018

Gas Data Hub

- The Gas Data Hub, which is managed by Elering AS is a system that holds all agreements related to gas transfer, production and consumption and all metering points' **measurement data**
- All data in Renewable Gas Registry on gas injections is retrieved from the **Gas Data Hub** on a **monthly basis**.
- Measurement data includes hourly data in kWh and m3
- **OFF-grid production (virtual metering points)** data is reported by the producers to the biomethane registry
 - Production data units: kWh and m3
 - Technical Supervision Authority



Biomethane production

Currently there are 2 biomethane plant operators in Estonia

- Both plants' production complies with the Sustainability Criteria, which is audited once a year.
- Biomethane is produced from wastewater sediments and from animal manure and silage
- Future prognosis:

Estonia	Current Situation	Expectation	
Year	2019	Within REGATRACE (2022)	Beyond REGATRACE (2025)
Number of biomethane plants	2	6	9
Total biomethane production [MWh/yr]	72 000	208 000	312 000

Registry: Market Roles

The Estonian biomethane registry distinguishes between the following registered users:

- Producers (with biomethane production units)
- Traders
- Consumers

Future development:



- Liquid fuel sellers (to enable liquid fuel sellers to trade with biomethane statistics to fulfill their biofuel blending obligation)



- The issue of biomethane GOs is carried out by Elering AS on a **monthly basis**
- GO is **valid for 12 months**
- Each GO is issued for a standard amount of **1 MWh**
- Producers of biomethane receive biomethane GO at the point of injection.
- Issued GOs are based on **higher calorific value** of produced biomethane.


eIering

Biomethane Information System

 **Vreni Veskimägi** 

English Eesti

Company / Role

Aktsiaselts BALTIKA, 10144415, ... 

Name


Aktsiaselts BALTIKA

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My dashboard 99+

Company Info

Metering points

My tootja GO account 

Overview

GO report

Transactions

Invoices

Period report

My tootja GO account

Account overview

GO report

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<input type="checkbox"/>	Production time	Expiration time	Quantity
<input checked="" type="checkbox"/>	05.2019	31.05.2020	20
<input type="checkbox"/>	06.2019	30.06.2020	4
<input type="checkbox"/>	07.2019	31.07.2020	3
<input type="checkbox"/>	08.2019	31.08.2020	137
<input type="checkbox"/>	09.2019	30.09.2020	2315
<input type="checkbox"/>	10.2019	31.10.2020	5

Transfer certificates

Registry: GO information

- Guarantee of Origin (GO) specifies*:
 - energy source from which the energy was produced
 - production period (month, year)
 - production unit ID code, location, type and capacity
 - whether the installation has benefited from investment support
 - the date on which the installation became operational
 - the date and country of issue
 - whether production meets the Sustainability criteria
 - unique identification number

*Gas Network Code

Registry: GO transfer and cancellation



- After the GOs have been issued, producers can transfer GOs to the trader's account.
- Traders who have registered **consumption metering points** on their account can then cancel GOs against metering points consumption.
- Trader can see the exact consumed amount for a chosen period under the metering point and it is **not possible to cancel more GOs than was the actual consumption.**
- Each registered metering point in Renewable Gas Registry has an indication on the **type of usage: home, business or transport.**
- Consumers who have bought biomethane can check the origin of their consumed gas in the Renewable Energy consumer portal.



Choose consumer:

valmar toom, 1044298

Add new

Choose consumption point:

38ZEEG-0000102-1

Choose consumption periods

Month from:

Select date

Month to:

Select date

<input type="checkbox"/>	Period	Consumption usage	Data source	Available consumption
<input type="checkbox"/>	05.2019	Transport	AVP	51
<input checked="" type="checkbox"/>	08.2019	Transport	AVP	32
<input type="checkbox"/>	09.2019	Transport	AVP	2

Total: 32

Define GO amount

Production unit EIC-W code	Production time	Expires	Fuel type	Technology	Quantity	Actions
W-908765-000000	01.04.2019	30.04.2020	Biomass	Keemiline puhastus	18	










You select 18 certificates

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Perform

Registry: Biomethane subsidy

- Producers can apply for subsidy through the Registry.
- The subsidy applications are generated **each month automatically** on the producer's account after the cancellation procedure.
- Producers will only need to **confirm the application**.
- The data on paid subsidies is transferred automatically to the State AID Registry.

My tootja GO account ^	A_107	7.2019	42	3306.25 €	Esitatud	
Overview	A_108	7.2019	4	340 €	Uus	 
GO report	A_110	9.2019	27	2227.34 €	Uus	 
Transactions	A_114	9.2019	7	611.94 €	Uus	 
Invoices	A_117	10.2019	51	3728 €	Uus	 
Period report						

Tax exemption declaration

- Biomethane is exempt from excise tax
 - Tax exemption accounting is based on biomethane GOs.
- Distribution system operators (DSO) are responsible for collecting natural gas excise tax.
- Registry sends monthly reports to the DSOs on consumed amounts of biomethane (verified with GOs) in their grid network.
- Reported information will be finally sent to the Estonian Tax and Customs Board.



Thanks for your attention!

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