



## GOs for Gas in Austria

# ERRA – Renewables Committee

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1. Legal framework for gas GOs and disclosure

2. E-Control database

3. Current status

4. International trade and current issues in the debate

5. Further certificates issued by E-control

- By May 2023, AUSTRIA (E-Control) is the first issuing body certified by AIB and connected to the AIB hub
- Austria (E-Control) first issuing body to transfer GOs via AIB hub

- E-Control is the **issuing body** for GOs - Electricity AND Gas
- No other issuing body in Austria
- E-Control is responsible to run the system and to supervise the disclosure for Electricity AND Gas
- E-Control has 20 years experience in GOs and disclosure
- E-Control is member of AIB (Association of Issuing Bodies)
- E-Control decides about acceptance of GOs from other countries (based on legal framework in member states and the processes of AIB)

- ~ 250.000 power plants in our database
- Operators of power plants have the obligation to register
- ~ 140 electricity suppliers → disclosure statement
- 100% of electricity must be labelled with GOs
- GOs are traded across Europe (EU and non-EU)
- The technical platform for the international transfers is provided by AIB

# E-Control – transfers electricity GOs

IMPORTE VON HKN



EXPORTE VON HKN



Eingesetzte Nachweise Erzeugerland	Versorgermix 2021 in %
Österreich	67,90
Dänemark	0,17
Deutschland	0,33
Niederlande	6,68
Norwegen	15,18
Slowenien	0,14
Schweden	1,28
Finnland	1,74
Frankreich	2,98
Italien	1,22
Tschechien	0,03
Belgien	0,02
Kroatien	0,02
Estland	0,12
Island	0,25
Portugal	1,16
Spanien	0,21
Lettland	0,51
Slowakei	0,06
Schweiz	
<b>Summe</b>	<b>100,00</b>

## RED II 2018/2001 Art. 19:

1. For the purposes of demonstrating to final customers the share or quantity of energy from renewable sources in an energy supplier's energy mix and in the energy supplied to consumers under contracts marketed with reference to the consumption of energy from renewable sources, **Member States shall ensure that the origin of energy from renewable sources can be guaranteed “**
2. “[...] **Member States shall ensure that the same unit of energy from renewable sources is taken into account only once.**”
5. [...] **The designated competent bodies shall not have overlapping geographical responsibilities, and shall be independent of production, trade and supply activities.**

## EAG 2021 – Renewable Act

- § 81 (1):
- **E-Control** appointed as the **national body responsible** for issuing, monitoring the transfer and cancelling the guarantees of origin.

## Gaskennzeichnungsverordnung - gas labeling ordinance 2021

- § 8 (2):
- Labeling [...] **must** be carried out for the first time in 2023 for the gas quantities delivered in **2022**. For 2021 the labeling can be carried out on a voluntary basis.

## Gaswirtschaftsgesetz (GWG) – Gas act

- § 130
- stating the criteria on where and how to displace the origin of gas

## GOs for:

- Biomethane
- Hydrogen
- Fossil gas  
(explored in AT)
  
- 15 RES Gas producers  
generating GOs
- ~ 300 biogas power plants →  
GOs for electricity



→ E-Control Database for Gas-Gos → similar to the system for electricity

Eigene Daten Stammdaten Abgabedaten Gasnachweise Reports Administration Abmelden

## News



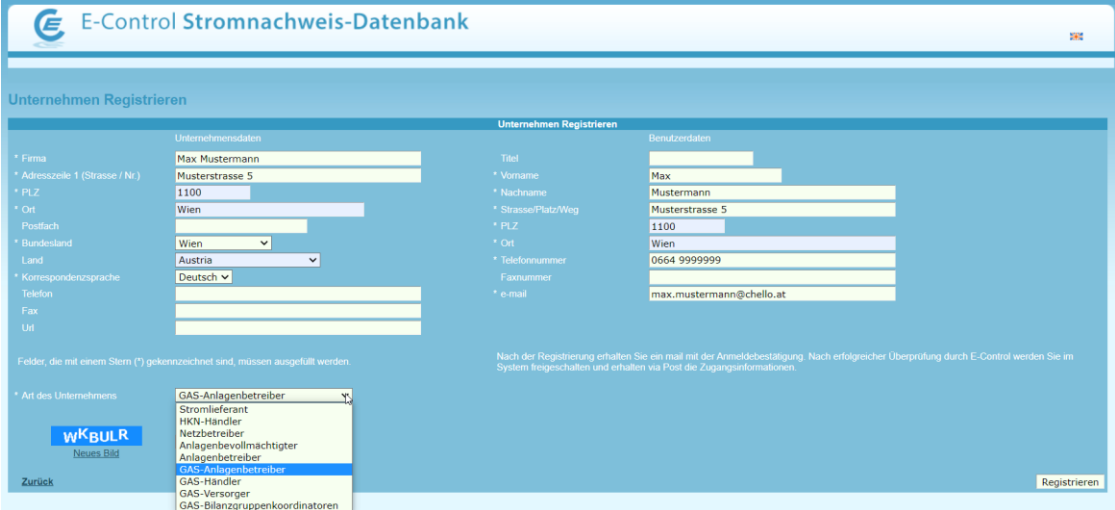
## Operations in the database

- > Registration process for companies and Users:

[https://www.stromnachweis.at/stammdaten\\_unternehmen\\_registrieren.asp](https://www.stromnachweis.at/stammdaten_unternehmen_registrieren.asp)

### Companies/Users:

- **Producers of gas** → public grid!!
- **Grid operator** → reporting the production of gas = issuing of GOs
- **Gas supplier** → using GOs for disclosure statement
- **Traders** → trading of GOs



The screenshot shows the registration form for companies in the E-Control Stromnachweis-Datenbank. The form is divided into three main sections: Unternehmensdaten, Unternehmen registrieren, and Benutzerdaten. The Unternehmensdaten section includes fields for Firma, Adresszeile 1 (Strasse / Nr.), PLZ, Ort, Postfach, Bundesland, Land, Korrespondenzsprache, Telefon, Fax, and Url. The Unternehmen registrieren section includes fields for Titel, Vorname, Nachname, Strasse/Platz/Weg, PLZ, Ort, Telefonnummer, Faxnummer, and e-mail. The Benutzerdaten section includes fields for Vorname, Nachname, Strasse/Platz/Weg, PLZ, Ort, Telefonnummer, Faxnummer, and e-mail. A dropdown menu for 'Art des Unternehmens' is open, showing options like GAS-Anlagenbetreiber, Stromlieferant, HKN-Händler, Netzbetreiber, Anlagenbevollmächtigter, Anlagenbetreiber, GAS-Anlagenbetreiber, GAS-Händler, GAS-Versorger, and GAS-Bilanzgruppenkoordinatoren. The logo 'wKBULR' is visible in the bottom left corner, and a 'Registrieren' button is in the bottom right corner.

Unternehmensdaten	Unternehmen registrieren	Benutzerdaten
* Firma	Titel	
* Adresszeile 1 (Strasse / Nr.)	* Vorname	Max
* PLZ	* Nachname	Mustermann
* Ort	* Strasse/Platz/Weg	Musterstrasse 5
Postfach	* PLZ	1100
* Bundesland	* Ort	Wien
Land	* Telefonnummer	0664 9999999
* Korrespondenzsprache	Faxnummer	
Telefon	* e-mail	max.mustermann@chello.at
Fax		
Url		

Felder, die mit einem Stern (\*) gekennzeichnet sind, müssen ausgefüllt werden.

Nach der Registrierung erhalten Sie ein mail mit der Anmeldebestätigung. Nach erfolgreicher Überprüfung durch E-Control werden Sie im System freigeschalten und erhalten via Post die Zugangsinformationen.

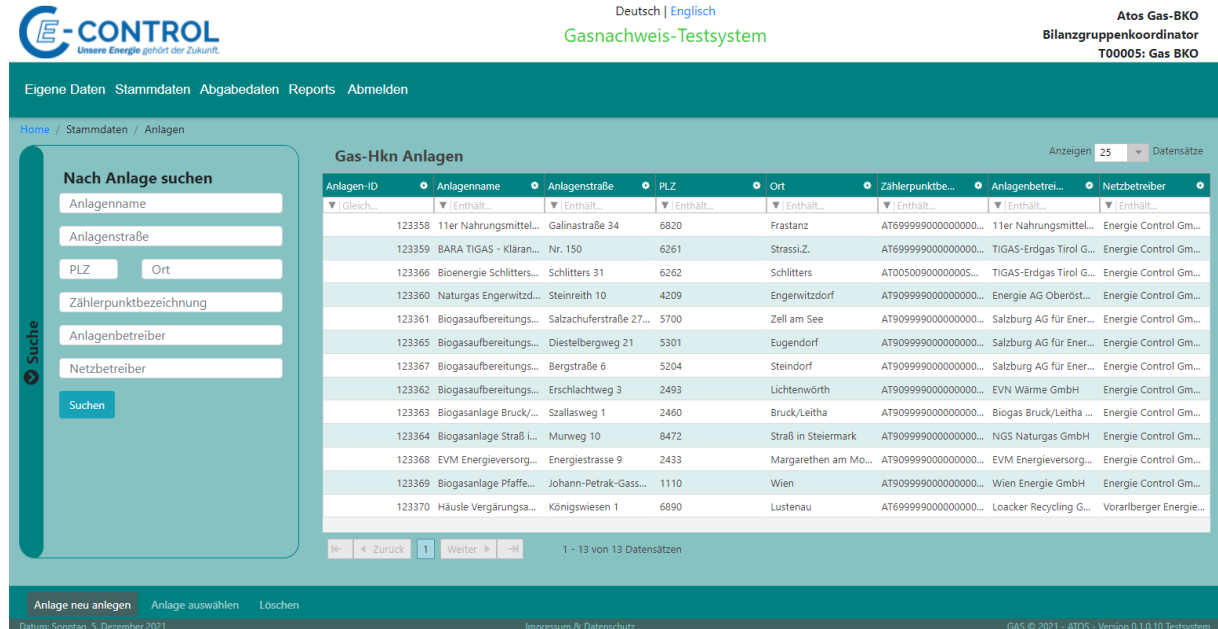
\* Art des Unternehmens: GAS-Anlagenbetreiber, Stromlieferant, HKN-Händler, Netzbetreiber, Anlagenbevollmächtigter, Anlagenbetreiber, GAS-Anlagenbetreiber, GAS-Händler, GAS-Versorger, GAS-Bilanzgruppenkoordinatoren

**wKBULR**  
Neues Bild

Zurück Registrieren

## Processes in the database

### > Registration of plants



The screenshot displays the 'Gas-Hkn Anlagen' (Gas-Hkn Plants) section of the E-Control database. The interface includes a search sidebar on the left, a main table of plant data, and a navigation bar at the bottom.

**Search Sidebar (Suche):**

- Nach Anlage suchen
- Anlagenname
- Anlagenstraße
- PLZ
- Ort
- Zählerpunktbezeichnung
- Anlagenbetreiber
- Netzbetreiber
- Suchen

**Main Table: Gas-Hkn Anlagen**

Anlagen-ID	Anlagenname	Anlagenstraße	PLZ	Ort	Zählerpunktbe...	Anlagenbetrei...	Netzbetreiber
123358	11er Nahrungsmittel...	Galinastraße 34	6820	Frastanz	AT6999990000000000...	11er Nahrungsmittel...	Energie Control Gm...
123359	BARA TIGAS - Kläran...	Nr. 150	6261	Strass.Z.	AT6999990000000000...	TIGAS-Erdgas Tirol G...	Energie Control Gm...
123366	Bioenergie Schlitters...	Schlitters 31	6262	Schlitters	AT0050090000000000...	TIGAS-Erdgas Tirol G...	Energie Control Gm...
123360	Naturgas Engerwitzd...	Steinreith 10	4209	Engerwitzdorf	AT9099990000000000...	Energie AG Oberöst...	Energie Control Gm...
123361	Biogasaufbereitungs...	Salzacherstraße 27...	5700	Zell am See	AT9099990000000000...	Salzburg AG für Ener...	Energie Control Gm...
123365	Biogasaufbereitungs...	Diestelbergweg 21	5301	Eugendorf	AT9099990000000000...	Salzburg AG für Ener...	Energie Control Gm...
123367	Biogasaufbereitungs...	Bergstraße 6	5204	Steindorf	AT9099990000000000...	Salzburg AG für Ener...	Energie Control Gm...
123362	Biogasaufbereitungs...	Erschlachtweg 3	2493	Lichtenwörth	AT9099990000000000...	EVN Wärme GmbH	Energie Control Gm...
123363	Biogasanlage Bruck/...	Szallasweg 1	2460	Bruck/Leitha	AT9099990000000000...	Biogas Bruck/Leitha ...	Energie Control Gm...
123364	Biogasanlage Straß L...	Murweg 10	8472	Straß in Steiermark	AT9099990000000000...	NGS Naturgas GmbH	Energie Control Gm...
123368	EVM Energieversorg...	Energiestrasse 9	2433	Margarethen am Mo...	AT9099990000000000...	EVM Energieversorg...	Energie Control Gm...
123369	Biogasanlage Pfaffe...	Johann-Pettrak-Gass...	1110	Wien	AT9099990000000000...	Wien Energie GmbH	Energie Control Gm...
123370	Häusle Vergärungs...	Königswiesen 1	6890	Lustenau	AT6999990000000000...	Loacker Recycling G...	Voralberger Energie...

Navigation: 1 - 13 von 13 Datensätzen

Bottom Bar: Anlage neu anlegen | Anlage auswählen | Löschen

## Processes in the database

- > Grid operator reports amount of gas injected

Eigene Daten Stammdaten Abgabedaten Gasnachweise Reports Administration Abmelden

Home / Abgabedaten / Einspeisemenge je Gasanlage

Produktionszeitraum: 05.2020

Suche

### Einspeisemenge je Gas-Hkn-Anlage erfassen

Anzeigen: 25 Datensätze


Zählpunktbeze...	Anlagenname	GAS-Anlagenb...	Strasse	PLZ	Ort	EP(L)KW	Generiert	Einspeisemenge
▼ Entlast...	▼ Entlast...	▼ Entlast...	▼ Entlast...	▼ Entlast...	▼ Entlast...	▼ Entlast...	▼ Entlast...	▼ Entlast...
AT6999990000000000...	11er Nahrungsmittel...	11er Nahrungsmittel...	Gallinastraße 34	6820	Freistanz	2,900	0	0
AT6999990000000000...	BARA TIGAS - KtaranL...	TIGAS-Erdgas Tirol G...	Nr. 150	6261	Strass.Z.	546,29	0	0
AT9099990000000000...	Naturgas Engerwitzd...	Energie AG Oberöste...	Steinreith 10	4209	Engerwitzdorf	1.790,4	0	0
AT9099990000000000...	Biogasaufbereitungs...	Salzburg AG für Ener...	Salzachuferstraße 27...	5700	Zell am See	226,6	0	0
AT9099990000000000...	Biogasaufbereitungs...	EVN Wärme GmbH	Erschlächtweg 3	2493	Lichtenwörth	2.100	0	0
AT9099990000000000...	Biogasanlage Bruck/...	Biogas Bruck/Leitha ...	Scallasweg 1	2460	Bruck/Leitha	5.665	0	0
AT9099990000000000...	Biogasanlage Straß L...	NGS Naturgas GmbH	Murweg 10	8472	Straß in Steiermark	1.417	0	0
AT9099990000000000...	Biogasaufbereitung...	Salzburg AG für Ener...	Diestelbergweg 21	5301	Eugendorf	623,16	0	0
AT005009000000005C...	Bioenergie Schitters ...	TIGAS-Erdgas Tirol G...	Schitters 31	6262	Schitters	764,84	0	0
AT9099990000000000...	Biogasaufbereitungs...	Salzburg AG für Ener...	Bergstraße 6	5204	Steindorf	770,44	0	0
AT9099990000000000...	EVM Energieversorg...	EVM Energieversorg...	Energiestrasse 9	2433	Margarethen am Mo...	4.476	0	0
AT9099990000000000...	Biogasanlage Pfaffen...	Wien Energie GmbH	Johann-Petrak-Gasse 7	1110	Wien	2.605,9	0	0
AT6999990000000000...	Häusle Vergärungsan...	Loacker Recycling G...	Königswiesen 1	6890	Lustenau	5.630	0	0

1 - 13 von 13 Datensätzen

Further processes in the database:

- Assigning specific Tech-Codes after certification by an approved auditor
- Issuing certificates for a future renewable-gas-quota-system
- Issuing green certificates for off-grid renewable-gas
- Disclosure statement of gas suppliers

# Status quo and ongoing processes

- Legislation in place
- Technical processes established
- GOs are issued for 
- 1<sup>st</sup> disclosure period in progress
- Domain protocol for AIB developed
- AIB Audit in progress

<b>A) Fossil gas</b>
A.1 Natural gas
A.2 Synthetic gas from natural gas
<b>B) Renewable gas</b>
B.1 Biomethane
B.1.1 Biomethane from biogas
B.1.1.1 Biomethane from biogas made from agricultural products
B.1.1.1.1 Residues
B.1.1.1.2 Animal manure
B.1.1.1.2 Straw
B.1.1.1.3 Other residues
B.1.1.1.2 Energy crops
B.1.1.2 Biomethane from biogas made from food industry residues
B.1.1.3 Biomethane from biogas made from residues separately collected from households, restaurants, industrial kitchens, etc.
B.1.1.4 Biomethane from biogas made from other biogenic residues
B.1.2 Biomethane from landfill gas
B.1.3 Biomethane from sewage treatment plant gas
B.1.4 Biomethane from wood gas
B.1.4.1 Biomethane from forest residues
B.1.4.2 Biomethane from sawmill by-products
B.1.4.3 Biomethane from waste wood
B.1.5 Biomethane from other sources
B.2 Hydrogen from renewable sources
B.2.1 Hydrogen from wind or solar power
B.2.2 Hydrogen from electricity based on other renewable sources (not B.2.1)
B.2.2 Hydrogen from other renewable sources
B.3 Synthetic gas from renewable sources
B.3.1 Synthetic gas from wind or solar power
B.3.2 Synthetic gas from electricity based on other renewable sources (not B.3.1)
B.3.2 Synthetic gas from other renewable sources
B.4 Other renewable gases (not specified)
<b>C) Other gas</b>
C.1 Decarbonised gas
C.2 Coke oven gas
C.3 Furnace gas
C.4 Hydrogen from other sources (not B.2)
C.4.1 Hydrogen from fossil fuels
C.4.2 Hydrogen from nuclear power
C.5 Synthetic gas from other sources (not B.3)
C.5.1 Synthetic gas from fossil fuels (not A)
C.5.2 Synthetic gas from nuclear power
C.6 Gas from other sources

- AIB – Association of issuing bodies
- Working on the harmonization and standardization for energy carriers -European Energy Certificate System - "EECS"
- HUB for the international transfer of Gos
- E-Control allows transfers only via the AIB-HUB
- The aim (equivalent to electricity): all issuing bodies are member of AIB-HUB

- 1. Legislation - according to RED II 2018/2001 Art. 19 - in place
- 2. Issuing body appointed by national law
- 3. Only electronic GOs will be acknowledged
- 4. Connected to the AIB HUB



# Current Status

Country	Legislation in place	Issuing body
<b>Austria</b>	Yes	E-Control
<b>Belgium Brussels</b>	Yes	Brugel
<b>Belgium Federal</b>	-----	-----
<b>Belgium - Flanders</b>	Yes	VREG
<b>Bulgaria</b>	Ongoing process	Prospectively SEDA
<b>Estonia</b>	Yes	Elering
<b>Finland</b>	Yes	Gasgrid Finland
<b>France</b>	Ongoing process	Ongoing process
<b>Germany</b>	Ongoing process	-----
<b>Greece</b>	Ongoing process	Prospectively Dapeep
<b>Italy</b>	Ongoing process	GSE
<b>Latvia</b>	Ongoing process	Ongoing process
<b>Lithuania</b>	Ongoing process	Ongoing process
<b>Luxembourg</b>	Ongoing process	Ongoing process
<b>Netherlands</b>	Ongoing process	Vertogas
<b>Portugal</b>	Ongoing process	REN
<b>Slovakia</b>	Ongoing process	Ongoing process
<b>Spain</b>	Yes	Ongoing process
<b>Sweden</b>	Ongoing process	Prospectively EM
<b>Switzerland</b>	Ongoing process	Ongoing process

## ➤ Green gas certificate § 86

- for gas which is not injected into the grid and which is used in end consumption or in a material process. Please note though that these are not normal GOs and they can't be used for labeling.
- In case an obligatory green gas quota as described in § 87 comes into force Green gas certificates as well as “traditional” GOs require a

## ➤ Green gas seal § 85

- issued in case renewable gas is produced from renewable energy that is countable for the national renewable reference target of Austria in accordance with Article 3 (2) of Directive (EU) 2018/2001. If gas is produced from energy in the form of biomass fuels, it must also meet the sustainability requirements and the criteria for greenhouse gas savings in accordance with Section 6 (2) and (3).

## Quota-System for Renewable Gases →

- 
$$\text{Quota (\%)} = \frac{(\text{GOs} + \text{green gas certificates})}{\text{Final gas demand}}$$

- Who is responsible: gas supplier

	2024	2025	2026	2027	2028	2029	2030
Quota	0,7%	1,05%	1,75%	2,8%	4,2%	5,95%	7,7% or at least 7,5 TWh

- Market for GOs for Gas is at the very beginning
- Functionality and liquidity far away from GOs for electricity
- Low interest on the demand side (final customers), increasing interest electricity/heating sector
- In AT:
  - 15 RES gas producers are registered
  - 2 companies will register for generation of fossil GOs
  - Hydrogen on the door-step
  - ~ 40 gas suppliers are in the process to declare their disclosure statement
  - By far most RES gas production sites are producing electricity
- Number of GOs and share in total gas supply is limited
- No international trade at the moment
- Max 5 countries will be connected to the AIB hub by the end of the year

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