

Outlook on the Austrian and European Renewable Gas Market

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R2GAS workshop - Vienna



AGCS Gas Clearing & Settlement AG

- Clearing of the Austrian Gas Market
- Organisation of the balancing market in Austria
- Calculation and settlement of balancing energy
- **Tracking of all gas movements and injections in Austria (incl. biomethane) – ÖSG**

Legal Basis

- Austrian Gas Act (GWG)
- Standard Terms and Conditions
- Renewable Electricity Act (ÖSG)
- Renewable Expansion Act (EAG)

Legal Basis of our work as registry operator

- Balancing Group Coordinator is responsible for **monthly issuing of biomethane certificates for injected biomethane** with unique identification with the amendment of the Austrian Renewable Electricity Act (Ökostromgesetz 2012) **for the Austrian Green Power Settlement Agency** (OeMAG Abwicklungsstelle für Ökostrom AG).

Cooperation & Interfaces

- System of balance group coordinator (for all gas market areas)



- **Cooperation** agreement with elNa **biofuels registry** operated by Environmental Agency (Umweltbundesamt GmbH)



- GO Issuing Body *actively seeking for establishment of interface*



- Bilateral agreement with Dena Biogas Register Germany, replaced by **ERGaR CoO Scheme**

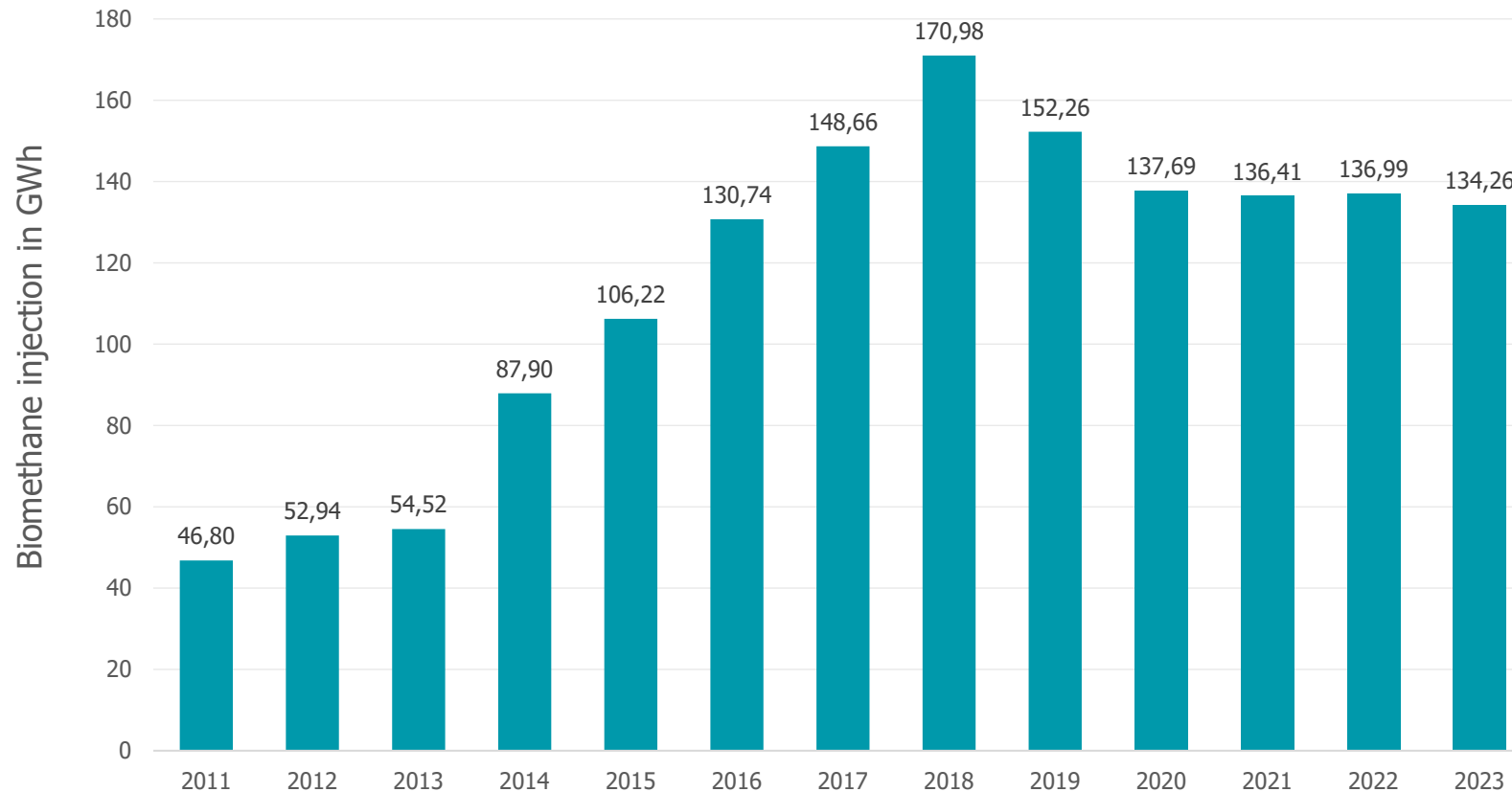


- **REGATRACE and BIOSURF project**



Annual statistics by AGCS Gas Clearing and Settlement AG

Biomethane Injection in Austria



Statistics Biomethane Injection

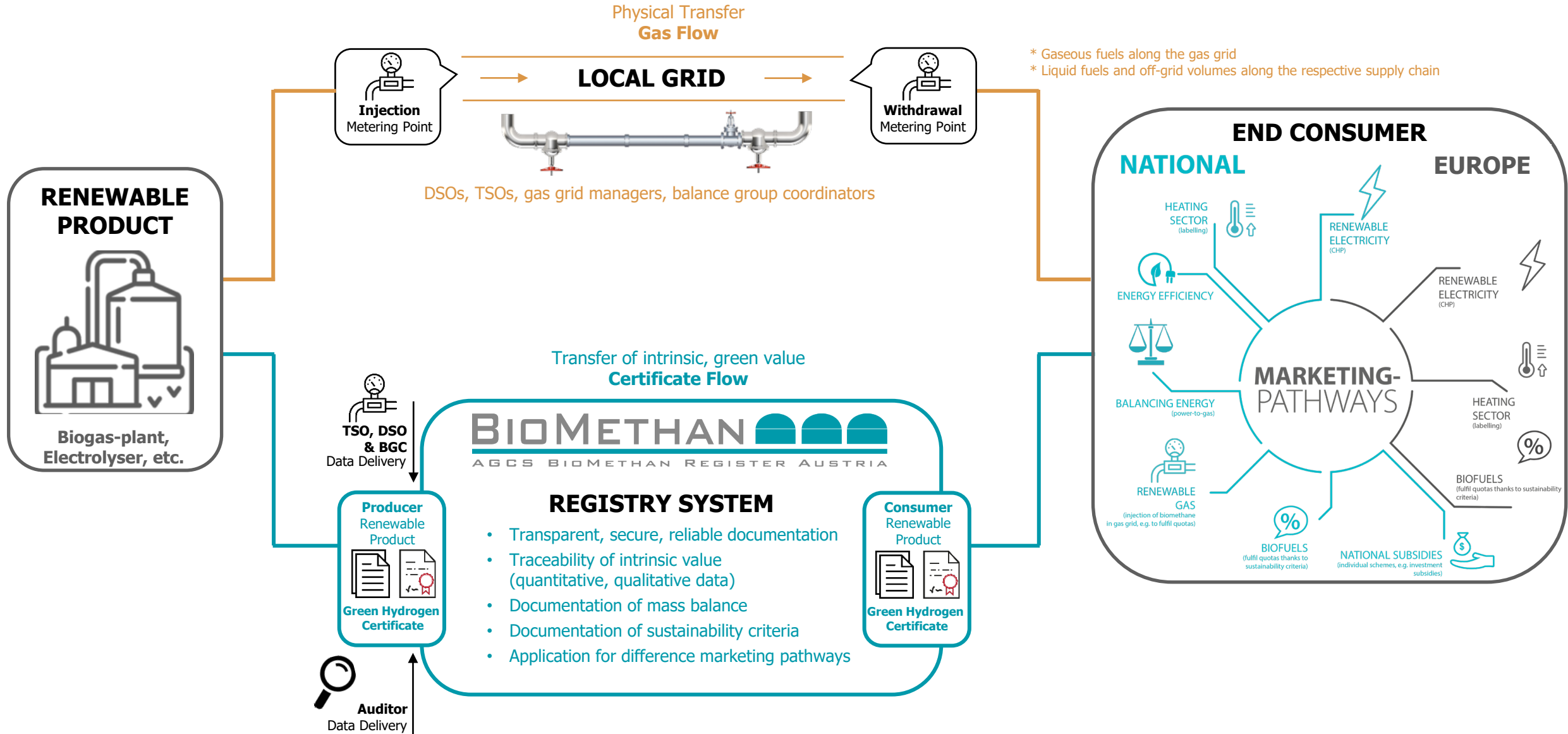
- 2018: highest injection volumes
- 2019-2020: decline in production
- **2021-2023**: Production level stable

2023 Biomethane in the gas sector

- 2023 Biomethane injection: 134 GWh

Year	Transfer Scheme	Export [MWh]	Import [MWh]
2018	AT<->DE AGCS-dena bilateral agreement	4.625	
2019		13.375	
2020		10.157	
2021		1.202	7
2022	ERGaR CoO Scheme	19.651	
2023		36.956	1
2024		6.028	1
Σ		91.994	9

Flow of the certificate





Austria

AGCS Biomethane Registry – AGCS Gas Clearing and Settlement AG

- Renewable Power Feed-in Tariff
- Currently handles 100% of Imports and Exports via ERGaR

Guarantees of Origin Database – E-Control

- For national disclosure and „GO-only“
- Import and Export via the AIB-Hub

Elna-Registry – Austrian Environmental Agency

- Renewable Fuel Obligations
- Cooperation with AGCS since 2017



Europe

ERGaR CoO – Scheme

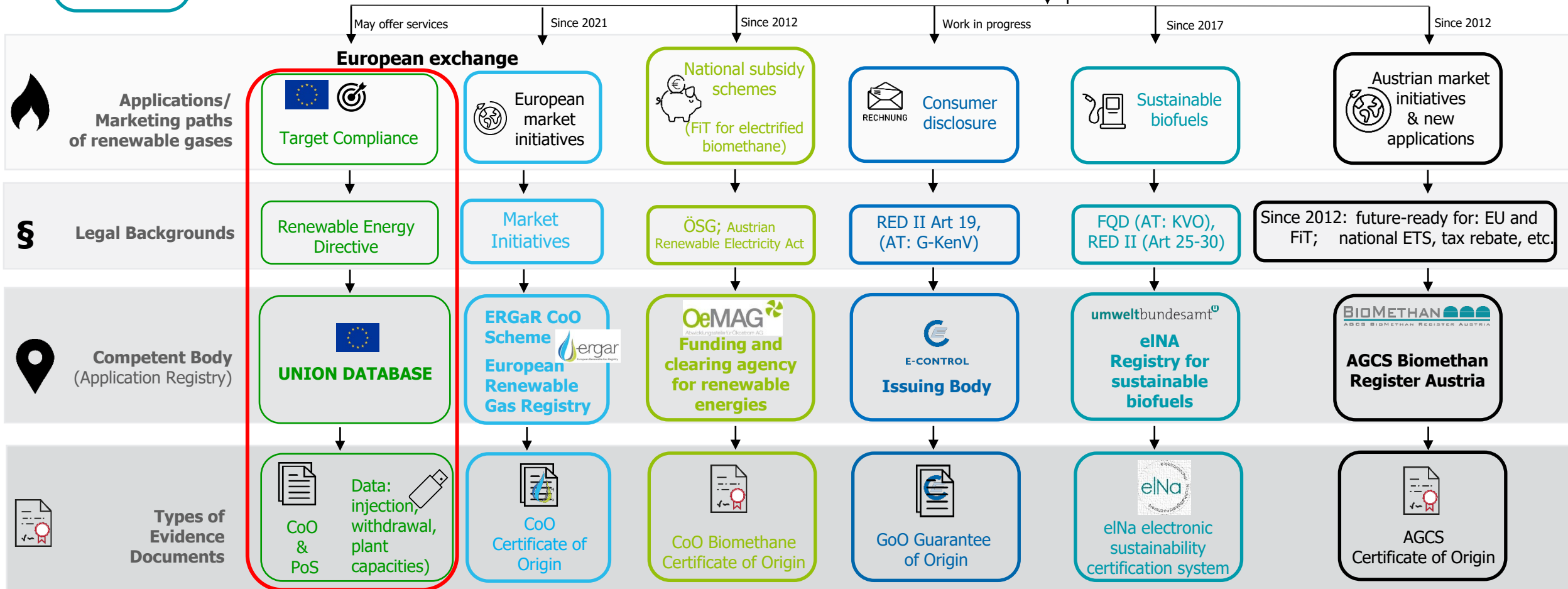
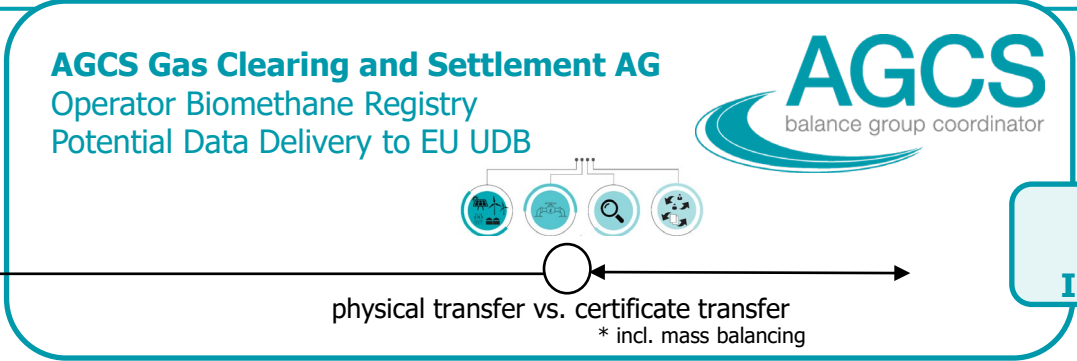
- 6 countries connected (AT, DE, NL, UK, DK & SK)
- Transfer of CoOs & GoOs (including PoS)
- Over 1 TWh transferred in 2023

AIB – Hub

- 3 countries connected
- Transfer of GoOs only
- No volumes traded so far

Union Database

- Aims to connect every European Country
- Transfer of Volumes with PoS only (with or without GoO)
- Planned to be operational by November 2024



FiT for renewable power from decentralised biomethane

(*ÖSG 2012; will be phased out beyond 2030*)

AGCS certificates

Renewable Fuel Quote

(*KVO 2022*)

600€ / tonne of saved CO₂ within certain limit for fuel suppliers

Investment grants for the construction or conversion of plants

(*EAG 2021; implementation regulation outstanding*)

retrofitting existing biogas plants, renewable gas production plants, and for plants to convert electricity into hydrogen or synthetic gas



Gas consumer disclosure with GOs

(*GKenV 2019, EAG 2021*)

Import of GOs via AIB-Hub

Upcoming green gas quota for gas suppliers

(*EGG 20XX, Renewable Gas Act in development*)

Compensation payments of 150€/MWh for unfulfilled quota

Biofuels Quota



(KVO 2022)

Obligation to substitute fossil transport with sustainable biofuels, including biomethane

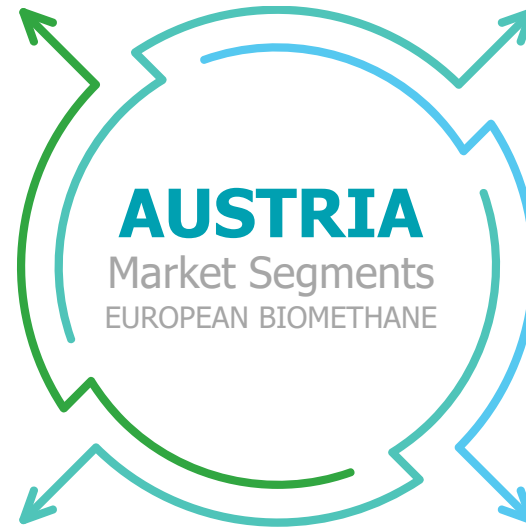
Penalties of 600 EUR/non-saved tonne of CO2

AGCS certificates + PoS must be submitted to eINa → soon covered by UDB



EU ETS

No defined procedure but **AGCS certificates** could be accepted (no



National ETS

(NEHG 2022, implementation regulations outstanding)

will be linked to natural gas tax (rebate)



Natural Gas Tax Rebate

(Tax Reform Act 2020; implementation regulations outstanding)

Upon proof of the consumption of sustainable biomethane



Germany

Tabelle 1: Übersicht der Verwendungsmöglichkeiten für Biomethan

	Biomethan - eingespeist in Deutschland			Biomethan - eingespeist im Ausland		
	massenbilanziell	book & claim	Nachhaltigkeit iSd. RED	massenbilanziell	book & claim	Nachhaltigkeit iSd. RED
EEG	x	-	(x) ¹	-	-	-
BEHG (nEHS)	x	-	seit 2023	x	-	seit 2023
TEHG (EU-ETS)	x	-	seit 2022	x	-	seit 2022
GEG	x	-	-	x	-	-
BEG	x	-	-	x	-	-
EWärmeG BW	x	-	-	x	-	-
BImSchG	x	-	x	-	-	-
freiwilliger Markt	x	x	-	x	x	-

¹ Vorgaben gelten für KWK-Anlagen mit einer Mindestgröße von 2 MW Feuerungswärmeleistung



Switzerland

- Voluntary Market
- Use of Certificates for regional subsidy schemes
- Import via other registries (e.g. German Dena Registry)



United Kingdom

- Mainly voluntary market
- Prices for Waste-based volumes
 - 30€/MWh for uncertified volumes
 - >40€/MWh for certified volumes
- Prices for crop-based volumes: 10-15€/MWh



Europe – Voluntary Market

- Varying Prices
- 10€/MWh for uncertified book & claim volumes to >50€/MWh for ISCC/Redcert-Certificates



AGCS Biomethanregister



Kontakt

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REGATRACE – Final Booklet



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