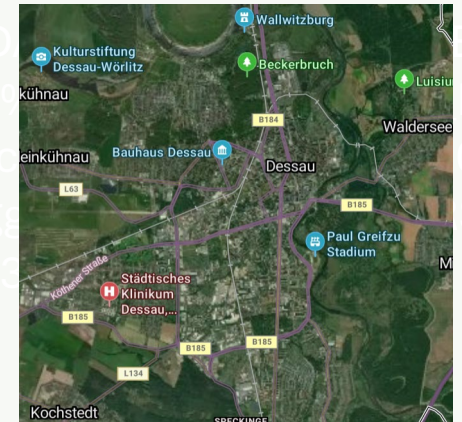


Green Gas Certification Scheme updates: RGGOs, the GHG Protocol, SBTi and ETS

Jesse Scharf – Green Gas Certification Scheme

Sausage rolls, £200m, Liverpool FC and a small town in Germany.



Green Gas Certification Scheme (GGCS) – delivered by Renewable Energy Assurance Ltd (REAL)

Renewable Energy Assurance provides trusted, independent assurance that builds confidence across the circular economy and renewable energy sector. It delivers services in the UK and globally, including support for other green gas registries and schemes in Australia and Canada.

Scheme Delivery

We are experts at providing consumer protection and market assurance, working across multiple schemes and Consumer Codes. **We set scheme rules, manage scheme governance, provide certification, coordinate with certification bodies, provide financial reconciliation and compliance services, manage member portals, and facilitate and chair industry meetings.**

Insights

We support government and industry in conceptualising new policy, recommend improvements, and help international markets develop their decarbonisation strategies. We provide research and advice on standards and technical approvals, informed by our extensive data.

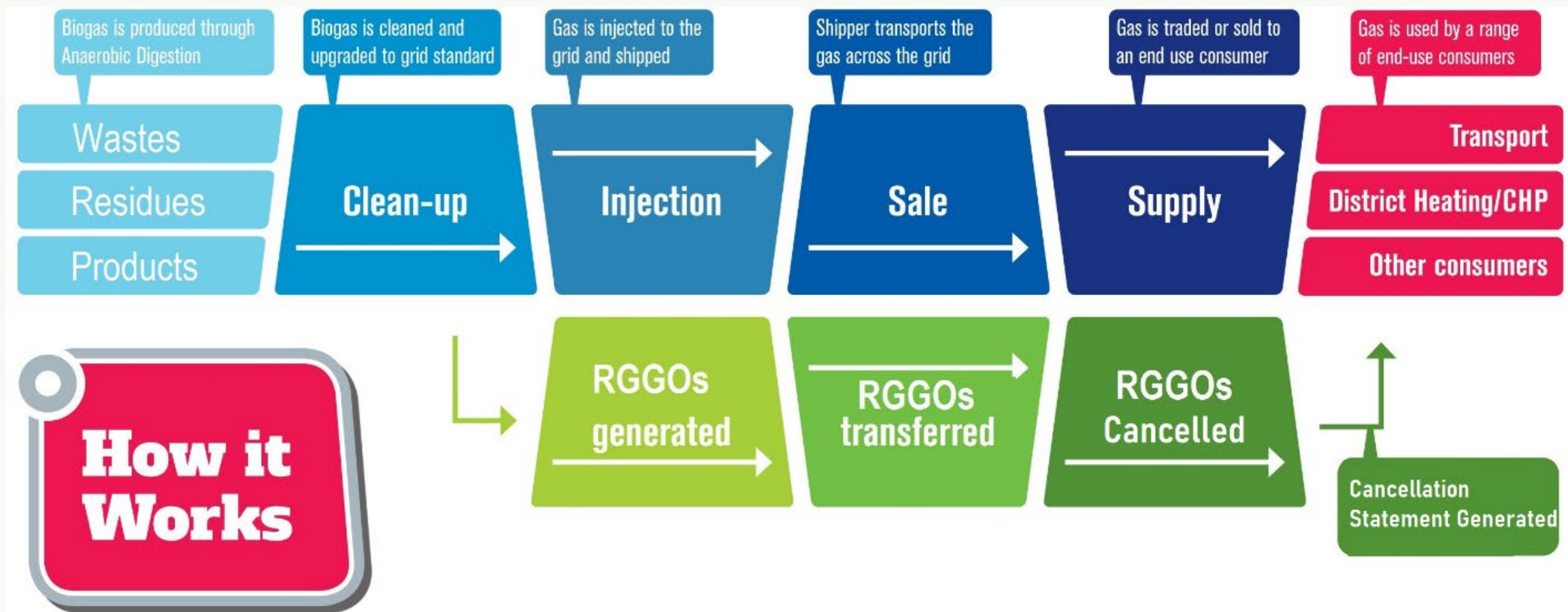
ADR

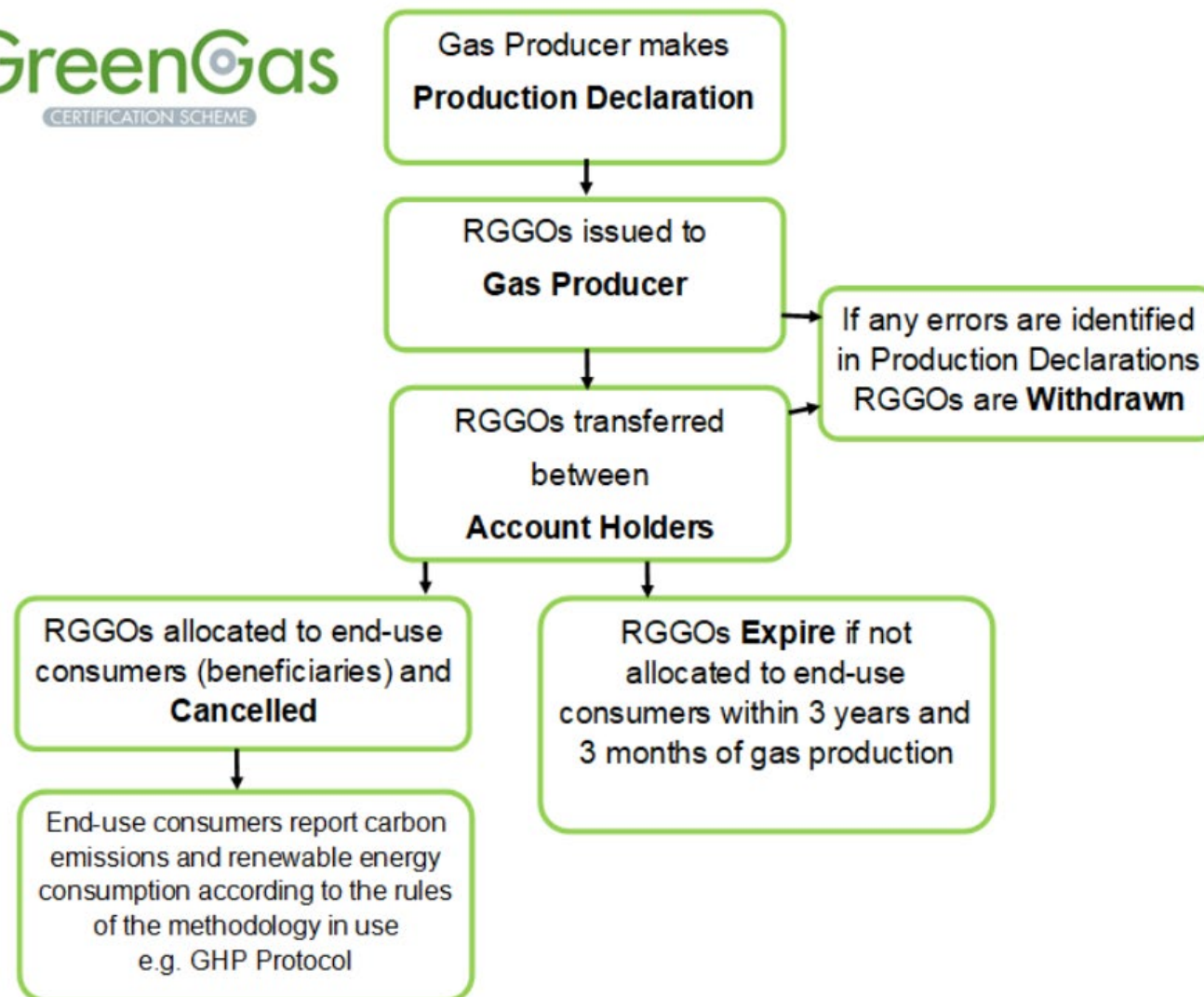
We have managed thousands of complaints, at both the early-resolution and adjudication stages, which has led us to develop a distinct Green Homes Dispute Resolution product to provide protection and proportionality when things go wrong. This product can be delivered as a service or integrated into a proposition, including services such as consumer protection training, advisory services and complaint-mitigation training.

Data and Digital

We run registries, portals and databases providing 20 years of valuable information for regulators and industry. We build data-sharing services and methodologies and deliver ‘digital-first’ solutions to ensure efficiencies in what we do.

RGGOs – quick recap





RGGOs – what they look like






1 October 2026 at 15.03.09 GMT+1



Jesse Scharf
Green Gas Certification Scheme (93XIBGB00N)



 Home
 Reports
 Plants
 Users
 Organizations
 Issuing

Certificates

☐ Select with bundle volumes ⓘ
All organizations
Select standard
Withdraw










Note: To export all grid columns in CSV, keep the default column visibility unchanged. If modified, the default column view can be restored by clicking 'View default columns' from the column menu  popup. Otherwise, only visible columns will be exported.

	Certificate bundle				Account		Issuer	Production period			
☐	Certificate number start	Volume	Unit	Status	Account number	Account name ↑1	Issuing country code	Production start date	Production end date	Issue date ↓2	Standard
☐	643002406493000010011998577935	2 132 099	kWh	Active	643002406493010439	Default Account	GB	16/12/2025	31/12/2025	01/10/2026	GGCS Biomethane
☐	643002406493000010012000710034	14 455 172	kWh	Active	643002406493010439	Default Account	GB	01/01/2026	15/03/2026	01/10/2026	GGCS Biomethane
☐	643002406493000010012015165206	18 910 798	kWh	Active	643002406493010637	Default Account	GB	08/05/2026	07/08/2026	01/10/2026	GGCS Biomethane
☐	643002406493000010011963399673	10 719 987	kWh	Active	643002406493010323	Default Account	GB	01/06/2026	31/08/2026	30/09/2026	GGCS Biomethane
☐	643002406493000010011074110650	2 210 815	kWh	Active	643002406493010323	Default Account	GB	01/06/2026	31/08/2026	30/09/2026	GGCS

Cancellation Statement

Expand rows



This document certifies that the specified Renewable Gas Guarantees of Origin (RGGOs) have been Cancelled and allocated to the stated Beneficiary. The environmental qualities of the associated energy have been allocated to the Beneficiary. This Cancellation Statement and RGGOs may not be transferred to any party other than the energy supplier or End-Use Consumer specified below. Onward sale of this Cancellation Statement is prohibited. Cancelled RGGOs cannot be transferred to other Account Holders. Any GHG values related to the production of green gas are calculated against the lower calorific value, whereas the kWh represented by the RGGOs are the higher calorific value of the green gas, unless otherwise stated.



Transaction details

Transaction type
 **Cancellation**

Transaction number
20260413000000021

Transaction start time
13/04/2026, 11.27

Standard
GGCS Biomethane

Status
Completed

Volume
10 000 kWh

Transaction completion time
13/04/2026, 11.27

Public Statement
<https://demo.grexel.com/en/public/cancellationstatement/52dee3b3-9167-4598-bcf0-dafd603c695e>

From account

Organization name
GGCS Admin

Domain
Green Gas Certification Scheme

Account number
643002406493020308

City
London

Country
United Kingdom

Organization ID
93X002030W

Domain code
GB-GGCS

Street
York House, 23 Kingsway

ZIP code
WC2B 6UJ

Beneficiary

Name of Beneficiary
CNG filling station - Northampton

Location of beneficiary
Northampton, NT34 E56

Usage type
Disclosure

Type of beneficiary
End consumer

Country of consumption
United Kingdom

Consumption period
01/04/2026 - 30/04/2026

Cancellation purpose
Allocation to Transport - evidence for RTFC verifier and for consumers of fuel from filling station.

	V...	Unit	Certificate number start	Certificate number end	Issuing b...	Energy so...	Technolog...	Product...	Product...	Issue d...	Trading sch...
+	10 000	kWh	643002406493000010000029969291	643002406493000010000029969300	Green Gas Certification	GGCS05	G010000	01/02/2026	28/02/2026	13/04/2026	GGCS Biomethane RGGO

06

£200m of value for UK biomethane producers

- <https://demo.grexel.com/en/public/cancellationstatement/52dee3b3-9167-4598-bcf0-dafd603c695e>
- Named gas consumers on RGGO Cancellation Statements have bought the environmental attributes of biomethane production and can make relevant claims (voluntary carbon reporting or compliance markets).
- Since 2012, over 30 TWh of RGGOs have been cancelled, generating over £200m in income for UK biomethane producers.



All-purpose green gas certificate – RGGOs and PoS in one digital certificate

ATTRIBUTES

Capacity gas production (kW) 30000	Dissemination level 6 Transported by vehicle	Gas type Y0101 Methane	Production measurement type Gross	GHG emission produced 23.35	GHG threshold met Less than 118.44
Manure GHG credit applied True	Carbon capture GHG credit applied Unspecified	Sustainability scheme ISCC-EU	Sustainability additional info Supplied to onsite filling station	Additional info Field as required - max 255 characters	Unique number of proof of sustainability AB12345
Certificate number 098766354ISCC	User of biogas fuel Yes - 2011	Higher to lower heating value conversion factor 0.9	Input 1 - Key characteristics Quantity HHV / 3457 \ Feedstock / Corn \ Country of Origin / UK \ Eec GHG methodology / Actual \ Fulfills Art. 29 RED II / Yes \ Waste/Residue / No \ Low ILUC Risk / Yes \ Intermediate crop / No \	Input 1 - GHG emissions Sum of Eec 00.00 and Ei 00.00 and Ep 00.00 and Etd 00.00 and Eu 00.00 minus Esca 00.00 and Eccr 00.00 equals 30.45 gCO2eqMJ	Input 2 - Key characteristics Quantity HHV / 7945 \ Feedstock / Food Waste \ Country of Origin / UK \ Eec GHG methodology / Actual \ Fulfills Art. 29 RED II / Yes \ Waste/Residue / Yes \ Low ILUC Risk / Yes \ Intermediate crop / No \
Input 2 - GHG emissions Sum of Eec 00.00 and Ei 00.00 and Ep 00.00 and Etd 00.00 and Eu 00.00 minus Esca 00.00 and Eccr 00.00 equals 20.45 gCO2eqMJ	Input 3 - Key characteristics Quantity HHV / 8834 \ Feedstock / Potato Peelings \ Country of Origin / UK \ Eec GHG methodology / Actual \ Fulfills Art. 29 RED II / Yes \ Waste/Residue / Yes \ Low ILUC Risk / Yes \ Intermediate crop / No \	Input 3 - GHG emissions Sum of Eec 00.00 and Ei 00.00 and Ep 00.00 and Etd 00.00 and Eu 00.00 minus Esca 00.00 and Eccr 00.00 equals 20.45 gCO2eqMJ	Total GHG emissions Sum of Eec 00.00 and Ei 00.00 and Ep 00.00 and Etd 00.00 and Eu 00.00 minus Esca 00.00 and Eccr 00.00 equals 23.35 gCO2eqMJ	ISCC compliant material Yes	Chain of custody option Mass Balance
Total default GHG value according to RED II applied Yes	Compressed biomethane used as transport fuel Yes	GHG savings GHG emission saving against comparators of: Transport Fuel - 95 gCO2eMJ - 93percent: Heat - 80gCO2eMJ -	Subsidy or other criteria met Renewable transport fuel obligation (UK)		

- RGGOs are not considered GoOs under RED II because the UK is not in the EU and does not have a mutual recognition agreement with the EU.
- The data labels in an RGGO also do not fully align with the 16325 standard referenced in RED II (alignment could be achieved at short notice if needed).
- RGGOs are flexible (GGCS decides which labels to include). We operate a digital registry where different certificate types can be issued.
- We are looking at integrating RGGOs and PoS



RGGOs and the GHGP

- Reminder – the GHGP has never said that you cannot buy RGGOs and report biomethane use. The question is whether this can create a saving in Scope 1 emissions or can only be reported as an off-scope note.
- [Interim Update on Accounting for Biomethane Certificates | GHG Protocol](#) is still the only active statement from the GHGP on the use of biomethane certificates. It is dated September 2023 but has been updated in the past six months.
- Discussions are taking place within the Actions and Market Instruments Working Group, which releases details of its meetings here – [Standards Development and Governance Repository | GHG Protocol](#)
- Tim Hamers, ERGaR Secretary General, is in the Working Group to make sure the biomethane industry is heard.

RGGOs and the GHGP



- They are considering a multi-statement approach, including:
- Statement 2: Market-based GHG inventory (allocating emissions associated with the reporting entity's activities from a **common activity pool**, based on **qualified contractual arrangements** for the purchase of goods and services across Scope 1, Scope 2, and Scope 3, using attributional accounting approaches).
- 84% of respondents to the 2026 Rol gave strong support to the introduction of a multi-statement GHG reporting framework.
- Open question: will Statement 2 (also known as market-based reporting) be given equal status to Statement 1 (physical inventory/location-based reporting)?
- Good news: the gas grid is certainly a **common activity pool** (a concept that is harder to define for some products, such as green steel in a global market), and we have many systems for administering **qualified contractual arrangements** such as RGGOs, PoS and mass balancing.

RGGOs and the SBTi

- Some companies will refer to the GHGP via SECR or other approaches; others will be SBTi-focused. GHGP and SBTi should align, but this has not always been the case.
- Now:
 - SBTi is part of the Actions and Market Instruments Working Group.
 - SBTi staff presented alongside GHGP staff in April 2026
- SBTi published the Corporate Net-Zero Standard 2.0 in July 2026.
 - Actions within shared systems (activity pools): Where emissions relate to shared systems (e.g., electricity or gas grids, supply sheds, and logistics networks), companies may take action within those systems. This may be supported by market instruments that convey low-carbon attributes (e.g., for electricity, biomethane, or materials such as steel or cement), and includes decarbonization activities within the same system (e.g., landscape or other agricultural interventions within a supply shed).
 - Actions and market instruments are required to meet minimum integrity criteria, as set out in the Corporate Net-Zero Standard V2.0 and to be further elaborated in future guidance. These include an additionality requirement for projects and a requirement for programs issuing market instruments to demonstrate system-level impact.

RGGOs and reporting lower scope 1

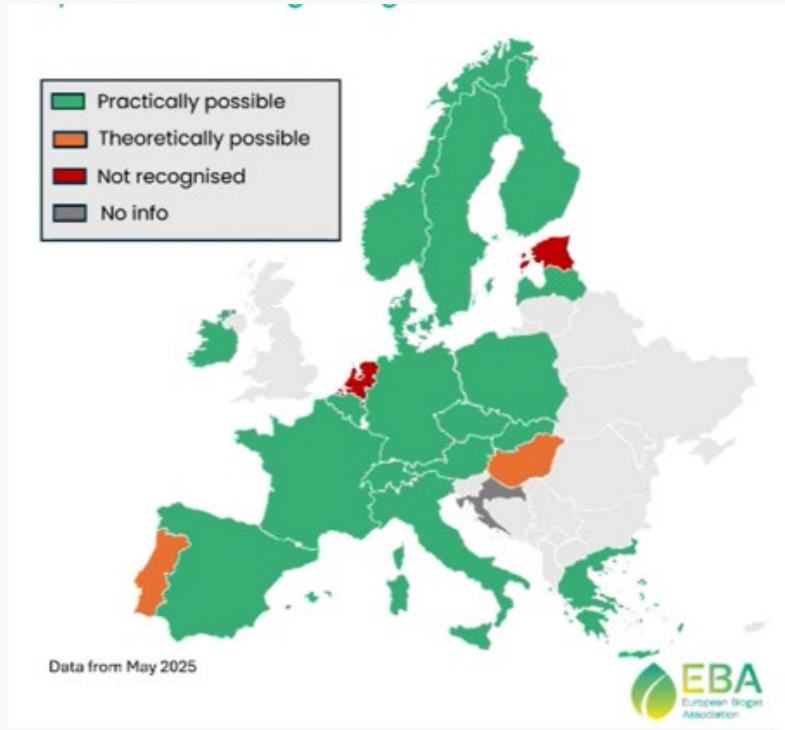


Liverpool FC – “during the 2020-21 season we switched all our mains fed energy (gas and electricity) to renewable tariffs.” It reports an 89% reduction in Scope 1 emissions.

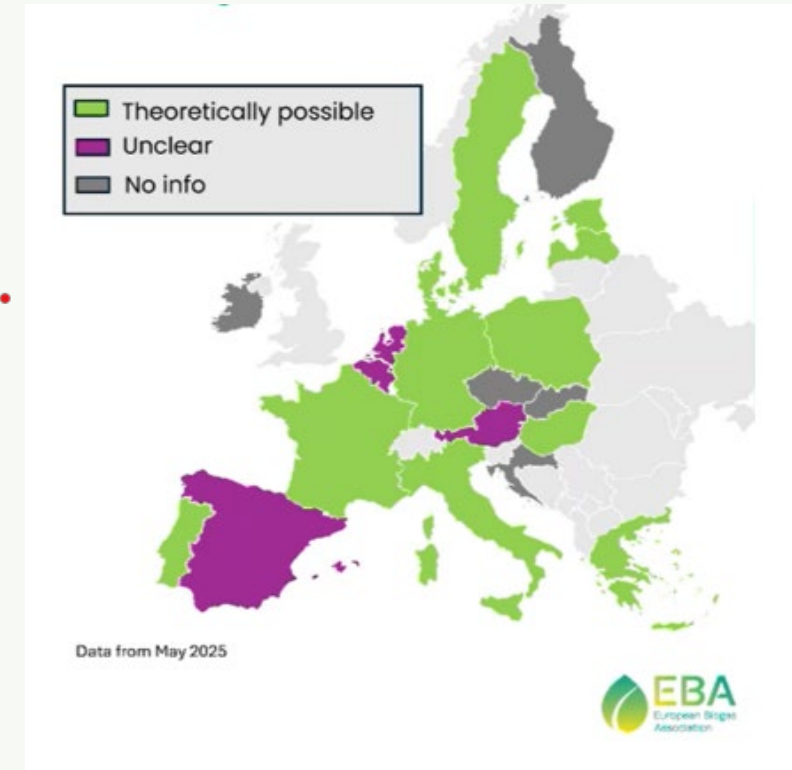


Greggs states in its reporting that it is buying RGGOs but is not reporting any Scope 1 reductions because the GHGP does not currently allow this.

Sustainable and mass-balanced biomethane and the UK and EU Emissions Trading Schemes (ETS)



Domestic biomethane supplied through the grid*



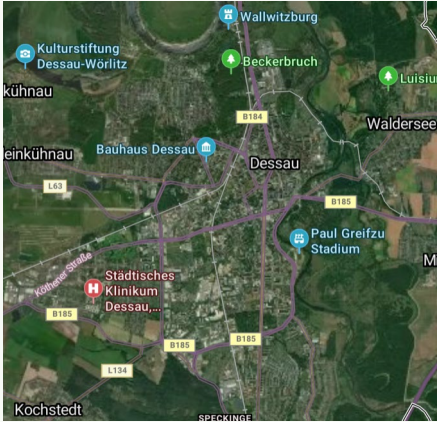
Imported biomethane supplied through the grid*

Why RGGOs are a Swiss Army knife



Gas injection location	Certificate handled by	RGGOs allocated to consumer in
UK	GGCS	UK
UK	GGCS only, or GGCS followed by export via the ERGaR CoO scheme to a registry in DE or CH Combined with a PoS in Nabisy?	Germany and Switzerland
UK	GGCS and then GNI (piloting stage)	Republic of Ireland (RoI)
UK	GGCS only	Rest of the EU/EEA/EFTA (any consumer connected to the common gas grid, excluding Iceland)

RGGOs and the UK and EU Emissions Trading Schemes (ETS)



- How can an EU-wide scheme be so patchy?
- Because decisions are made country by country by regulators you may never have heard of (e.g., DEHSt in Germany), and those regulators may not publish clear guidance in their local languages or in English.

What's coming up for the GGCS?

- Using an RGGO and a PoS alongside each other is becoming increasingly common, and GGCS will pilot the creation of a digital PoS alongside each RGGO
- Biogenic CO₂ – we are ready to issue RGGOs for biogenic CO₂; contact us for more details.
- We still don't know what will happen with the Union Database for Biofuels (UDB)!
- The European Commission has suggested (via a leaked draft) that Guarantees of Origin (GoO) will no longer be mandatory for Member States under RED III (from 2030).
 - The implications are a topic of conversation across Europe.
 - This may not make it into the final version of RED III – drafts are leaked to test the waters on different topics.

How to keep up with the market

- Sign up for our email list – contact info@greengas.org.uk
- [GGCS News – Green Gas Certification Scheme](#) – quarterly market updates
- Use the expertise of GGCS members – there are many consultants, brokers and traders who keep their ears to the ground on developments in Europe
- Keep an eye on who is reporting RGGO prices – [Market Information - Certificates - Green Gas Certification Scheme](#) – lots of price reports and free webinars
- Join ERGaR (European Renewable Gas Registry Association) or sign up to their free newsletter
- [Biomethane | Decarbonisation Knowledge Centre | Xoserve](#) – injection data from biomethane plants on the distribution system, by distribution zone (minus 9% for propane).
- [Home | National Gas Transmission Data Portal](#) – injection data for the two plants on the transmission system (no propane added)
- Reports on subsidy payments – [Green Gas Support Scheme \(GGSS\) Quarterly Report Issue 17 | Ofgem](#)
- Biofuel Quota Stats – showing a breakdown of production locations for biomethane mass-balanced to the UK transport sector – [Renewable Transport Fuel Obligation \(RTFO\) statistics - GOV.UK](#)