



1. ABOUT MARCOGAZ

Founded in 1968, MARCOGAZ represents 28 member organisations from 20 countries. Its mission encompasses monitoring and policy advisory activities related to the European technical regulation, standardisation and certification with respect to safety and integrity of gas systems and equipment, rational use of energy as well as environment, health and safety issues.

I. Leadership



Liam NOLAN
President



Alexander SCHWANZER
Vice-President



Manuel COXE
Secretary General

2. ACTIVITIES IN 2021 & 2022

Responding to the growing need for affordable and clean energy, MARCOGAZ established one new Standing Committee dedicated to new gases, including hydrogen, biomethane, synthetic gas and other low-carbon gases. Two new Working Groups that conduct technical studies on sector integration and on energy efficiency were established as well. The creation of these crucial working elements represents a strong and voluntary commitment to be part of the solution and to put members' knowledge at the service of the industry.

As the technical reference association of the European gas sector, MARCOGAZ actively participates in different high-level discussions, including the European Gas Regulatory Forum (Madrid Forum), European Energy Infrastructure Forum (Copenhagen Forum), different Task Forces of the European Commission, the European Commission Clean Hydrogen Partnership and the European Commission

Clean Hydrogen Alliance, along with the revision of standards related to the gas sector and the technical research on standards to accommodate higher levels of new gases in the gas infrastructure.

We are equally proud to be expanding our cooperation with the organisations within the United Nations (UN), providing technical expertise and know-how on the mitigation and reduction of methane emissions and on the take-up of hydrogen. We are envisaging a more comprehensive dialogue with the relevant organisations of the UN to facilitate the achievement of Sustainable Development Goal 7, reaching climate goals by 2030 and achieving net-zero by 2050.

MARCOGAZ will continue to deliver on technical insight while increasing its visibility and credibility. Taking this into due consideration, MARCOGAZ has created an internal body for sharing technical information among all members and has developed different channels of communication, encompassing various tools such as digital media campaigns, news production and the MARCOGAZ Tech Forum – a series of webinars bringing together gas industry experts and interested stakeholders.

MARCOGAZ cherishes the unique work that has been performed over the course of 2021 and 2022 with the invaluable contribution of members and partners, particularly in terms of their major efforts to reduce methane emissions and to develop new gases technologies. By continuously sharing technical knowledge and expertise with all partners, we are looking forward to successfully implementing the adopted strategy, with our eyes set on the decarbonisation of the gas system.

3. MAIN SECTORS OF ACTIVITIES IN 2021 & 2022

II. Gas Infrastructure:

The Standing Committee Gas Infrastructure (SCGI) covers the technical assessment of all gas systems and equipment, namely all types of assets that are operated by the gas industry to deliver gas to customers in safe conditions.

The scope of the SCGI encompasses the whole life cycle of gas installations, from the design and engineering phase, until their decommissioning after decades of service. This includes construction, operation and maintenance activities, as well as the replacement of equipment.

The Committee addresses subjects where third-party activities could have a potential impact on the safety and integrity of the gas network. The SCGI also works towards ensuring that the gas network has minimal impact on its neighbourhoods and surroundings.

The SCGI monitors and actively contributes to standardisation activities related to gas infrastructure. The CEN Technical Committee Gas Infrastructure (CEN/TC234) and its sub-groups is of particular

importance for the SCGI's work as it guarantees that the European gas network is operated with the latest techniques and practices throughout the whole midstream and downstream value chain.

The Committee leads and coordinates the activities to assess the technical acceptance of new gases (hydrogen, biogas, syngas, etc.) in the networks and supports the European Commission's energy transition ambitions.

i. Working Group on Gas Metering

Measuring gas is crucial in many ways for end-users, industry and the economy as it contributes to a fairer market with increased competition as specified in the Measurement Instruments Directive (2014/32/EU). Placed at the entrance and end point of the network, meters measure the gas that is moving across the network, entering and leaving the installation. They are designed to measure and display the quantity of gas (volume or mass) that flows through the pipelines. This requires the conversion of the unit of volume into units of energy. The Working Group Metering works on the technical aspects of such a conversion.

Additionally, the Working Group focuses on the potential operational constraints that could block the flow of gas and regular maintenance activities to prevent those constraints.

The injection of new gases such as biomethane or hydrogen into the gas network makes the conversion process more complex given the calorific value of the gases, which changes with the blending or replacement of natural gas. Therefore, the technical activities of the Working Group investigate the effect of new gases on the operational efficiency and accuracy of metering throughout the gas value chain.

In order to improve the efficiency of consumption through smart gas grids, the Working Group Metering continuously evaluates the performance and impact of smart meters for possible deployment in different locations in Europe.



The Working Group Gas Metering is Chaired by Frederic Vulovic.

III. End Use of Gas

The Standing Committee Gas Utilisation (SCGU) fosters the use of renewable energy through power to gas and use of efficient gas appliances while ensuring that they continue to play a key role in the decarbonisation of the EU energy sector. By focusing on the technical opportunities for the

improvement of the energy efficiency of appliances and for emission reductions and by analysing the impact of regulations, the Committee works to support the gas industry's decarbonisation efforts.

The SCGU provides the EU authorities with technical expertise and views on different regulations that have an impact on the coupling of electricity and gas sectors and on the use of gas, including the Energy Labelling Directive or the Eco-design Directive, among others.

The Committee deals with the coupling of the energy sectors such as heating, cooling and transport industries as well as with the power generation sector through smart infrastructure, increasing the penetration of renewable energy and thus decarbonising the economy. In particular, it develops synergies with other sectors to support the development and use of hybrid systems.

IV. Sustainability

The Standing Committee Sustainability (SCS) is responsible for addressing and delivering on cross-cutting topics on the sustainability of the gas supply chain. The Committee covers subjects that have or could have an impact on safety, wellbeing, climate and the environment while anticipating and identifying key challenges in the field of sustainability.

The SCS integrates the acceptance of new gases in its work plan and develops contents, taking into account how these gases will impact the sustainability of the network.

The SCS collects industry data and views related to environment, health and safety as well as data regarding the emission of methane and new gases, with a view to supporting studies and policy proposals, and thus contributing to tackling sustainability challenges which may affect installations and operations of gas supply and utilisation.

The SCS has been active in the field of emissions, particularly in methane emissions. The Committee also contributes to the Industrial Emissions Directive Article 13 Forum and actively supports the development and review of best reference available techniques related to the gas sector.

4. FACTS AND FIGURES 2021-2022

54	Years serving the gas industry	15	Events
28	Members	5	Responses to EU public consultations
29	Partners	20	Technical Reports
20	European countries represented		