# Annual Report
## 2000

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Executive Summary

This annual report details the objectives, membership organisation and programmes of Marcogaz as well as the activities and achievements in year 2000. Marcogaz is the European window on technical legislation, standardisation and certification for its member organisations. It promotes an appropriate technical regulatory environment for gas supply and gas utilisation including specific EC Directives to form the basis for standardisation and related certification, and supporting free movement of CE mark bearing products complying with gas specific requirements for safe and reliable gas supply and utilisation. Those aims are achieved by means of consultation and co-operation with EC bodies, the European Standards Organisation (CEN), the International Standards Organisation (ISO), related industries’ organisations, manufacturers of equipment and appliances and consumers’ organisations. The main issues and activities are summarised as follows:

Gas utilisation
EC Directive on Gas Appliances, GAD (90/396/EC)
- Position on extension of scope
- Recommendations on market surveillance requirements
Energy Efficiency Labelling Directive (92/75/EC)
- Not applicable for boilers
Boiler Efficiency Directive (92/42/EC)
- Review of the STAR rating system
- Promotion of “Boilsim” software and GLP Handbook
Qualification of Installers
- Investigation of national practices
- Natural gas fuelled vehicles (NGV)
- Close liaison with ENGVA, and involvement in EU Auto Oil II Programme

Gas Supply
Possible EU Pipeline Safety Instrument (PSI)
- Follow-up of EU initiative

- Decision to make benchmarking study of gas industry practices and technical capability in operating safe pipeline systems, to serve as guidance for a gas industry Safety Management System
- Standards under Construction Products Directive
  - Agreement on scope of draft mandate for CEN work under CPD
- Pressure Equipment Directive, PED (97/23/EC)
  - Guidance sheets drafted by CEN Sector Forum Gas
- Measuring Instruments Directive ( MID )
  - Revision of annex on gas meters for industry proposed amendments
  - Promotion of standards work under CEN
- PE pipes
  - Assessment of draft EN standards for PE pipes, fittings and valves for use in natural gas systems, with the objective of agreeing common additional requirements
- Underground Storage
  - Completion of a benchmark study on existing gas storage practices and decision to set up a database of major accidents involving underground storage activities

Environment
Revision of Large Combustion Plant Directive LCP (88/609/EEC)
- Revised position paper on proposed emission limit values against unduly strict ELVs risking to harm share of natural gas in primary energy supply
Methane issues
- Preparation of data and technical arguments regarding possible reduction of methane emissions from industry operations, for discussion with European Commission.
Best Available Technology (BAT)
- In the framework of Seville Process of determining guidelines for Large Combustion Plant, Marcogaz/Eurogas prepare material regarding BAT for gas engines and turbines.
Environmental Performance Indicators
- Completion of report on environmental performance indicators with recommendations for future data collection approaches, user’s guide and data collection form.
Presentation at WGC 2000 Nice
- Preparation of paper on the role of the gas industry in reducing greenhouse gas emissions by co-operation between countries, delivered at World Gas Congress 2000 Nice by Peter I. Hinstrup of the Marcogaz Board.

Work in relation to European Standards Committee, CEN
European standards work is a foremost Marcogaz members’ interest and activity, closely monitored and promoted by Marcogaz.
CEN Sector Forum Gas
Under CEN/SFG Marcogaz co-ordinates shared understanding among all stakeholders and promotes best practice standards
- Development of new CEN/SFG structure for cost-effective flexible industry driven consultation towards accelerated standards preparation
- CEN/SFG Working Groups: three WGs on “horizontal” issues are covered by Marcogaz representatives – “on environmental aspects in appliance standards”, on “construction products” and on “pressure equipment”

CEN/TC 234 “Gas Supply”
Marcogaz developed a new work programme with key issues towards compatibility between functional standards and products standards, and towards reducing differentials between national legislation and current CEN/TC 234 standards

Joint meetings with manufacturers
Marcogaz initiated joint meetings with European associations of equipment and appliances Manufacturers towards common understanding of shared interest issues regarding EC Directives and CEN developments.
Marcogaz the “Technical Association of the European Natural Gas Industry” is the representative body of the European Natural Gas Industry on all technical issues. It aims to monitor and take influence when needed on European technical regulation, standardisation and certification with respect to integrity and safety of equipment, and the rational use of energy. Another area of activity of great importance to Marcogaz is the protection of man and the environment, in the fields of natural gas supply and utilisation.

**Objectives**

Within the stated scope, the objectives of Marcogaz are:

- to be the European window on technical legislation, standardisation and certification for its member organisations;
- to monitor, liaise and influence developments at the European level on behalf of the natural gas supply industry;
- to promote the competitiveness of natural gas through the establishment of an appropriate technical regulatory environment for gas supply and gas applications;
- to support the aims of the Single Market for the free movement of products bearing the CE mark, and complying with the gas specific requirements for safe and reliable gas supply;
- to promote specific sectoral and goal setting EC Directives, to form the basis for standardisation and related certification.

The latter aims are achieved by means of:

- defining views and common positions on issues of shared interest and representing these to international bodies, in particular to the European Communities, the European Standards Organisation (CEN) and the International Standards Organisation (ISO);
- promoting and monitoring European standardisation and related certification in selected areas;
- identifying the need for any new standards on topics of interest to the gas sector and associated research;
- promoting technical co-operation among the member gas industries;
- promoting and organising co-operation with related industries’ associations, including other pipelines operating industries and manufacturers of equipment and appliances used for gas supply and for gas utilisation, and with consumers’ organisations.

The activities of Marcogaz are listed in this report, implicitly highlighting the major objective for Marcogaz members to achieve an effective industry presence and response towards the many public and official queries and regulatory initiatives facing the gas sector at the European level and often following through to the national level. Industry co-operation within Marcogaz will ensure timely information, consultation and response, while offering a platform for authoritative and consistent industry representation making most effective use of industry resources in terms of people, knowledge and finance required. Marcogaz co-ordinates with Eurogas, the European Union of the Natural Gas Industry, as well as with the Gas Transmission Europe (GTE) Group and GERG, the European Gas Research Group, through a shared Secretariat and selected joint programmes. Marcogaz also co-operates with other major gas industry organisations such as ENGVA (European Natural Gas Vehicle Association), the International Gas Union (IGU) and Intergas Marketing. It consults and co-operates with other industry and business organisations involved in the issues at hand.

**Membership in Marcogaz**

Membership is open to natural gas supply and related technical organisations in European Union member states and all other European countries interested in co-operation towards shared safety and quality objectives and standards, including those mandated by EC regulation and programmes. For each country concerned, one membership embodies the European Union’s representation. At the conclusion of 2000, the membership extends over twelve countries:

<table>
<thead>
<tr>
<th>COUNTRY</th>
<th>REPRESENTED BY</th>
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<tbody>
<tr>
<td>Austria</td>
<td>Österreichische Vereinigung für das Gas- und Wasserfach (ÖVGW)</td>
</tr>
<tr>
<td>Belgium</td>
<td>Association Royale des Gaziers Belges (A.R.G.B./K.V.B.G.)</td>
</tr>
<tr>
<td>Denmark</td>
<td>Danish Gas Technology Centre (DGC)</td>
</tr>
<tr>
<td>France</td>
<td>Gaz de France (GDF)</td>
</tr>
<tr>
<td>Germany</td>
<td>Deutsche Vereinigung des Gas- und Wasserfaches e.V. (DVGW) in combination with Bundesverband der Deutschen Gas- und Wasserwirtschaft (BGW)</td>
</tr>
<tr>
<td>Ireland</td>
<td>Bord Gais Eireann (BGE)</td>
</tr>
<tr>
<td>Italy</td>
<td>Associazione Nazionale Industriai Gas (ANIGAS)</td>
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<tr>
<td>Netherlands</td>
<td>Koninklijke Vereniging van Gasfabrikanten in Nederland (KVGN)</td>
</tr>
<tr>
<td>Norway</td>
<td>Statoil A/S</td>
</tr>
<tr>
<td>Spain</td>
<td>Asociacion Tecnica Española de la Industria del Gas (SEDI-GAS)</td>
</tr>
<tr>
<td>Switzerland</td>
<td>Schweizerischer Verein des Gas- und Wasserfaches (SVGW)</td>
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<tr>
<td>United Kingdom</td>
<td>Lattice Group plc, and Centrica plc</td>
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Marcogaz has no formal incorporation status, it is a “de facto” association without official statutes. Its structure, organisation and operational rules are described in its Internal Management Structure document (ref. S/MAR/1607/92).

The General Assembly consists of national delegations representing the various gas industry companies and bodies sharing in the membership. It meets once yearly to agree policies, adopt budgets, and direct the Executive Board whose members represent the respective countries in the Marcogaz membership. The Board, meeting several times a year, defines and controls strategies and gives guidance to three Standing Committees of industry experts and executives in charge of the action. Ad hoc Working Groups are set up in the Committees when required to deal with specific subjects.

The Secretariat, servicing the activities of the Marcogaz bodies and co-ordinating with all relevant third official, industry and other sectors organisations, consists of one full-time executive with secretarial assistance and with support from the Eurogas Secretariat taking charge on a honorary basis of the Standing Committee Environment and the General Secretary’s function.

### Organisation Scheme - Status at 31 March 2001

![Organisation Scheme Diagram]

- **Standing Committee “Gas Utilisation”** (Installations & Appliances)
  - Ad Hoc WGs
  - • Boiler Efficiency Labelling
  - • Emissions from appliances

- **Standing Committee “Gas Supply”** (Transmission & Distribution)
  - Ad Hoc WGs
  - • Gas meters
    - Utilities Metro Committee *
    - Utilities Radio Committee *
  - • Transmission Pipelines
    - Pipelines Federations Group*
  - • Pressure Equipment
  - • Underground Storage
  - • PE pipes

- **Standing Committee “Environment”** (Energy & Environment Issues)
  - Ad Hoc WGs
  - • Environmental Indicators
  - • BAT for gas engines and turbines

*Multi-sectoral platform co-ordinated by Marcogaz*
A “flash” bulletin is being introduced for rapid information of members on latest developments. A topical newsletter is issued by the Secretariat when developments warrant, giving highlights of Marcogaz activities and news on developments with EC Directives, CEN, other European bodies and any relevant issues.

Marcogaz has its own homepage on the Internet at http://www.marcogaz.org, which offers general information on the Association and its organisation and activities as well as access to major reports and publications.

Mr. Michel Verlinden (DISTRIGAZ, Belgium) elected President in April 1999 remained in the Chair over the year with his term normally lasting until the Plenary session in 2001. There were no changes in the Board during the year. The Executive Board memberships at the close of the year is shown in the table. The Board had three meetings in 2000, in January, April and October, to review and direct the Standing Committees’ activities and to assess Marcogaz positions as well in regard of CEN/ISO activities and of other points of involvement of Marcogaz, including relations with manufacturers’ and consumers’ organisations. These are mentioned in the relevant sections of this report.

Marcogaz Information

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Executive Board

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Executive Board Members at 31 December 2000

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<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Country</th>
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<tbody>
<tr>
<td>M. Verlinden, President</td>
<td>S.A. DISTRIGAZ</td>
<td>Belgium</td>
</tr>
<tr>
<td>M. Duhen, Vice-President</td>
<td>GAZ DE FRANCE</td>
<td>France</td>
</tr>
<tr>
<td>R. Pöltner</td>
<td>WIEN GAS</td>
<td>Austria</td>
</tr>
<tr>
<td>P.I. Hinstrup</td>
<td>DANISH GAS TECHNOLOGY CENTRE</td>
<td>Denmark</td>
</tr>
<tr>
<td>Th. Jannemann</td>
<td>DVGW</td>
<td>Germany</td>
</tr>
<tr>
<td>P. Walshe</td>
<td>BORD GAIS EIREANN</td>
<td>Republic of Ireland</td>
</tr>
<tr>
<td>M. Zepeggno</td>
<td>ITALGAS</td>
<td>Italy</td>
</tr>
<tr>
<td>C.J. Schroot</td>
<td>REMU</td>
<td>The Netherlands</td>
</tr>
<tr>
<td>T. Faale</td>
<td>STATOIL</td>
<td>Norway</td>
</tr>
<tr>
<td>J. Pons</td>
<td>SEDIGAS</td>
<td>Spain</td>
</tr>
<tr>
<td>A. Kilchmann</td>
<td>SGWA</td>
<td>Switzerland</td>
</tr>
<tr>
<td>R. Feltham (*)</td>
<td>BG TECHNOLOGY Ltd</td>
<td>United Kingdom</td>
</tr>
</tbody>
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General Assembly

The General Assembly held its annual meeting on 12 April 2000 in Stavanger (Norway) to review the activities of the Standing Committees and the proposed re-organisation of CEN Sector Forum Gas. The appointments of the Standing Committees Chairmen were confirmed:

• Th. Jannemann (DVGW) for Standing Committee Gas Utilisation
• D. Pelloux-Prayer (Gaz de France) for Standing Committee Gas Supply
• A. Riva (SNAM) for Standing Committee Environment

The dues sharing system was changed to allow for reduced fees to be charged to the Austrian and Swiss member groups. The hosting member, Statoil, gave a presentation on the Norwegian gas production and exports industry.

Developments in 2000

The bulk of Marcogaz activities consists of the work done in the three Standing Committees, supported by the Secretariat, guided by the Executive Board and endorsed by the General Assembly.

Standing Committees

The three main fields of Marcogaz activity are in the hands of three corresponding Standing Committees, respectively Gas Utilisation, Gas Supply, Environment. Within their respective scopes, the three groups have as main shared tasks in their areas of concern:

- to develop Marcogaz policy and positions towards EC (draft) Directives and policies regarding gas and public safety, rational use of energy and the protection of the environment;
- to monitor new developments at national and international level, and to advise on future requirements with technical legislation, standards, quality approval and certification for...
products, works and services; 
- to monitor the activities in CEN, 
  ISO, WELMEC, GAD-AC, BEDAC 
  and EOTC, and to prepare actions 
as and when needed; 
- to initiate, when appropriate, 
  relevant supporting enquiries and 
  studies; 
- to initiate and support gas industry 
  contacts and communications 
  with external bodies, such as the 
  European Commission, 
  European manufacturers’ trade 
  associations, consumers’ organi-
  sations and IGU.

Specific scopes and activities in 2000 
are reported in the following sections. 
Members of the Standing Committees 
and Working Groups, at 31 March 2001, 
are listed in the Annex.

Standing Committee 
Gas Utilisation

Scope of activity: gas appliances, in-
house installation, ducting systems 
and related equipment.
The overall objective is the promotion 
of good technical conditions for the 
market success of natural gas.

Particular consideration is given to: 
- safeguarding appropriate safety and 
  reliability through a high “quality” 
  CE mark and conformity assess-
  ment procedures specific to gas; 
- the establishment of a technical regu-
  latory environment favourable to 
  gas appliances and without discrim-
  ination against natural gas in com-
  petition with other fossil fuels and 
  electricity; 
- promote standards for high per-
  formance and consumer attractive 
  and innovative products; 
- securing adequate and safe installa-
  tion of gas equipment under changing 
  market conditions;
- developing appliance strategy for 
  sustainable development with natu-
  ral gas in promoting the use of inno-
  vative high performance and envi-
  ronmentally friendly gas fired equip-
  ment;
- developing partnership with manu-
  facturers trade associations, installers 
  and consumers organisations;
- supporting R & D in the field con-
  cerned;
- support qualification/education 
  schemes for gas installers.
The Standing Committee, chaired by 
Mr. Th. Jannemann (DVGW, D) had 
three meetings in 2000 in March, 
June and November.

EC Directive on Gas Appliances, GAD 
(90/396/EC) 
The European Commission has taken 
up its intention to extend the scope 
of GAD to cover other products as 
well, having a gas safety risk. At this 
stage, the Commission is collecting 
pertinent national legislation in order 
to establish a list of products for 
which legal barriers to trade exist 
across the EU, such as industrial 
applications and equipment for use in 
gas installations, currently excluded 
from GAD. The Standing Committee 
took to review the current list of 
products for discussion within the 
GAD Advisory Committee, GADAC. A 
position paper is under preparation. 
On market surveillance, Marcogaz 
submitted a letter of concern to the 
Commission on the absence of mar-
ket surveillance systems in most EU 
Member States. The Commission 
deprecated to take concrete initiative in 
this area on the argument that this is 
a responsibility of national authorities 
and the Commission can intervene 
only if problems arise in the pre-mar-
ket control covered by GAD. The only 
way to establish adequate market 
surveillance for gas appliances in 
Member States would be to persuade 
national authorities of this necessity.

Nonetheless, Marcogaz will continue 
to address the Commission for the 
creation of an information system 
among notified bodies and authori-
ties.

On fuel cells, a working group is to be 
set up in the Standing Committee in 
co-operation with COGEN, to develop 
a European strategy for the promo-
tion of gas technology e.g. in stan-
ardisation.

Energy Efficiency Labelling Directive 
(92/75/EC) 
At its public hearing held in 
December 2000 the Commission 
announced its intention to start nego-
tiations with national authorities and 
industry regarding the format and 
contents of an energy consumption 
label (A to G scale) for gas ovens, gas 
water heaters and boilers. For gas 
ovens the label will be identical to 
electrical ovens, with the exception of 
the consumption of energy, which for 
gas ovens will be expressed in MJ. An 
EC mandate for setting the support-
ing standard is being prepared. For 
water heaters the label for electrical 
appliances is based on stand-by loss-
es, while for gas appliances, a tapping 
programme will be required; an EC 
mandate is being considered.

For central heating boilers the 
Commission is requesting national 
authorities under which Directive the 
energy consumption label should be 
established, either the Energy Labelling 
Directive 92/75 or the Boiler Efficiency 
Directive 92/42.

For such purpose, Marcogaz favours 
the latter Directive which in practice 
causes problems with its “star rating” 
system.

Boiler Efficiency Directive, BED 
(92/42/EC) 
Marcogaz continued to promote the 
use of the “Handbook of Good 
Laboratory Practice on Efficiency 
Measurement of Boilers” with the 
associated “Boilsim” software for cal-

ent loads and taking into account the building heat demand and the heating system characteristics. The GLP Handbook and the network of testing laboratories LABNET will be essential in achieving reduction of efficiency measurement tolerances or variations between notified bodies. In cooperation with the Commission DG TREN a workshop on this matter is planned for early 2001.

**Draft Directive on Energy Performance of Buildings**

Marcogaz attended the public hearing held by the Commission on energy performance of buildings (December 2000) with the purpose of collecting experience from Member States and the industry on integrated energy performance and measurement standards in the run up to the preparation of a Directive on energy performance of buildings. A specific efficiency measure concerns the improvement of heating installations, periodical inspection of boilers and replacement of old boilers. The Commission will not now seek to harmonise national building certification schemes, but to ensure that Member States use a methodology for the assessment of building energy performance addressing the parameters determined in the proposed EU instrument. Harmonisation may be required in a later stage.

In this area the earlier mentioned “Boilsim” efficiency assessment method promoted by Marcogaz will be an excellent tool. The Standing Committee will prepare a position paper on the various questions from the Commission on the subject.

**Qualification of Installers**

By way of an internal questionnaire investigation the Standing Committee reviewed the status in member countries of qualification and certification criteria and practices for installers. The conclusion was that all member countries have a system in place for installers’ qualification/certification. Although approaches differ, ranging from legal frameworks to voluntary schemes, they all have the objective of improving and auditing the installer’s technical capability to make safe gas installations. Reference to national standards and to EN 1795 is common practice.

Considering the variety in the national approaches it is impractical to harmonise these practices across the EU. However, a system for mutual recognition of certificates might be possible, as exists between the UK and the Republic of Ireland.

**NGV – Natural gas-fuelled vehicles**

In this field Marcogaz keeps up strong liaison with ENGVA, the European Natural Gas Vehicle Association to provide assistance in questions related to natural gas fuel specification under EU vehicle legislation. Furthermore, Marcogaz was directly involved in the Auto Oil II programme WG III “fuel technology” for alternative fuels. Auto Oil II has the objective to study the various options for conventional and alternative fuels and to provide policy makers with an objective assessment of the most cost-effective package of measures which are necessary to reduce emissions from road transport to a level consistent with EU environmental policy for new air quality standards for the year 2005 and beyond.

**Possible EU Pipeline Safety Instrument (PSI)**

Following the European Commission 1999 Benchmark Study on existing national legislation regulating pipelines, Marcogaz and the Pipeline Federations Group stated their concern to the Director General of Environment in particular on the absence of a chapter reflecting the industry views in the Benchmark report. In the industry’s view the study was wrongly developed on the lines of the (Seveso II) COMAH Directive on fixed installations calling for different safety performance criteria than pipelines. Neither had industry views been taken into consideration for the necessary corrections to

**Standing Committee Gas Supply**

Scope of activity: gas pipelines networks, associated plant and related equipment.

Particular consideration is given to:

- promoting the understanding that gas supply is adequately regulated by existing safety and prevention laws throughout the Community thus meeting the aims of EC precautionary principle and the objec-
Issues under EC Directives

• **Gas Internal Market Directive**
  Interoperability of networks was one of the issues raised by the European Commission and European Gas Regulatory Forum in the context of Gas Directive implementation, and calling for best practice if not harmonised approaches. Eurogas in May 2000 presented a first report on the issue to the Regulators Forum, and the Gas Transmission Group Europe GTE has taken over since then. The Standing Committee will co-operate with GTE on all matters of technical interest, in particular best practice and standards.

• **Construction Products Directive (CPD)** (See also CEN/SFG WG8 report)
  The scope of the draft mandate M131 for standards work in CEN under CPD was agreed to cover the gas components, pipes and fittings installed inside the building. In a second step it will be assessed whether outdoor equipment downstream the last point of delivery of the distribution grid should fall under the present mandate.

• **Pressure Equipment Directive (PED)** (See also CEN/SFG WG6 report)
  The first guidance sheet drafted by CEN Sector Forum Gas clarifying the term “standard” equipment under the exclusion clause 1.3.1. was adopted by the Commission Working Group with Authorities.
  The remaining guidance sheets of direct interest for the gas industry were under consideration by the PED Working Group. It was expected that the Marcogaz interpretation of scope and provisions would be generally confirmed by the Commission Working Group.

• **Measuring Instrument Directive (MID)**
  The European Commission’s proposal for an EC Directive on measuring instruments (MID) was transmitted to the Council and Parliament in October 2000. Since the drafting of MID took several years, its specific annexes have requirements incompatible with the current market situation.
  Indeed, since the introduction of the Gas Internal Market Directive gas meters may be owned by service companies or even by the consumer directly. Under these new conditions the gas industry must be able to rely on third party accurate metering. This requires improvement of the specific annex for gas meters, in particular the necessary turndown ratio Qmax/Qmin to avoid unregistered gas in the residential area. Another question of internal industry discussion was the need for a high accuracy (0.5%) class meters within the scope of MID.
  An additional concern for the industry was that OIML (legal metrology body) recommendations would be considered normative documents instead of referring to EN standards. The latter would involve industry participation and would be more practice based. This question was to be further discussed with the Commission and with CEN management.
  The specific annex for gas meters was being discussed with the manufacturers’ association Facogaz, with a view to drafting a common industry position paper.

**Ad hoc Working Groups**

Within the general Standing Committee work programme the following ad hoc working groups addressed specific issues.

• **WG PE Pipes**
  The WG assesses draft EN standards from CEN/TC155 WG19 applying to PE pipes, fittings and valves for use in natural gas systems. The aim is to draft common additional requirements where needed, in particular in those areas where the draft standards fall short of gas industry requirements for the construction of safe.
reliable and economic gas supply networks. The resulting gas industry specifications are meant to be used by all gas companies when purchasing PE material in the market place and to be considered as a common European industry position that should encourage manufacturers to improve the CEN/TC155 standards for gas.

**WG Underground Storage**

The WG was set up in 1999 to assess and compare natural gas storage practices relative to corresponding legislation in the Member States, then to assess added value of drafting a possible EU guide setting out the basic safety and prevention principles for gas underground storage facilities in compliance with the safety report under COMAH.

In 2000, the WG completed its benchmark study on existing practices, which were found to fall either under the Mining legislation or under the COMAH Directive. The WG also decided to set up a database of major accidents involving underground storage activities. The final report should be available in Autumn 2001.

**Standing Committee Environment**

The scope of activity covers the collection of industry data and considered views relating to environmental studies and policy proposals by the European Communities and other international bodies, which may affect installations and operations of gas supply and utilisation.

Chaired by Mr A. Riva (Snam, I), the Committee met three times in 2000, in February, June and November. The Standing Committee dealt with a range of issues, mostly in close cooperation with the Eurogas Environment Task Force to which it regularly functions as a source of technical and scientific investigation substantiating and underpinning the more environmentally political studies and positions framed in Eurogas. Its activities, many of which are still in course, are reported in the following.

**Particular attention is given to providing Eurogas with technical and practical operational advice on:**

- promoting natural gas, the cleanest fossil fuel, as part of the solution to air pollution and of the climate change problem;
- ensuring that natural gas is not discriminated against relative to other energy sources in environmental policies.


Following on the action conducted in 1999 at the level of the European Commission, representations in 2000 focussed on the Parliament after political agreement on the proposed revision had been achieved in the June Environment Council. The Standing Committee prepared a revised position paper on the proposed emission limit values (ELV) for submission to MEPs (Members of European Parliament) and to national authorities, arguing that the ELVs in the Common Position were already adequately demanding and the unduly strict ELVs under discussion in the Parliament risked undermining the share of gas in primary energy supply. Continued Marcogaz action was favoured to avoid the requirement of continuous measurement for each combustion plant, which was found onerous and retain the option of indirect (input) measurement.

**Methane issues**

Data and technical arguments regarding the possible reduction of methane emissions from gas industry operations and associated costs had been prepared for the European Commission by Ecofys Consultants, as a contribution to the ongoing development of a European Climate Change Programme. The MSCE prepared an analytical comment on this, for use in the ECCP discussions in which Eurogas participates. Also for internal use a summary and analysis of literature on methane reduction options was compiled. Notice was taken of a safety standard under discussion in Italy on leakage from domestic gas pipes, incorporating guidance for intervention.

**Best Available Technology, BAT - the Seville Process**

With the implementation of the Directive on Integrated Pollution Prevention and Control (IPPC) an important process was underway at EU and national levels to determine BAT reference guidelines (BREF) for a range of plant. Work had started on determining guidelines for Large Combustion Plant, covering all emissions to air, water and soil. Marcogaz/Eurogas was represented in the EU level Forum to draw up the LCP Guidelines and agreeing material to submit regarding in the first instance BAT for boilers. The situation will also be studied regarding gas engines and turbines, mainly used in the gas industry’s own operations. The EU meetings take place in the Commission’s joint research centre located in Seville, Spain, hence the name of Seville Process.

**Environmental indicators**

Work initiated in the previous year was pursued in 2000 and resulted in a report on environmental performance indicators, with an overview of the work, methodology and results of the data collection already carried out, and with recommendations for future data collection approaches, a proposed users guide and data collection form. The objective was to develop...
consolidated non-company specific data that can be published in Marcogaz and Eurogas reports. The report was to be submitted for Board approval early in 2001.

Environmental issues in European Countries
Exchange of information and reports on environmental issues in member countries takes place on a regular basis.

Presentations by guest speakers
The Standing Committee invites regularly to its meetings guest speakers on topical issues.

Presentations in 2000 were:

February meeting:
A representative of the Italian Institute of Atmospheric Pollution spoke about air pollution, problems and related legislation

June meeting:
Vaillant presented its work on the integration of fuel-cell technology in domestic heating systems.

November meeting:
Alstom Power gave a very detailed overview on emission abatement technology in relation to gas turbines.

Presentation at WGC 2000 Nice
A combined Marcogaz and Eurogas presentation was given at the World Gas Congress held in June 2000 in Nice, France, on the role of the gas industry in reducing greenhouse gas emissions by co-operation between countries. The presentation was prepared by the Standing Committee and delivered by Mr Peter I. Hinstrup, Executive Board Member and Past President of Marcogaz.

Working Groups
In relation to selected issues reported above dedicated working groups were set up as follows;

Environmental Indicators
Following the 1999 decision of the MSCE to establish a group of experts to identify the most important environmental data to be collected in the gas industry a group was set up to prepare recommendations on methods and practicalities of data collection.

The group met several times:
• Developing a view on which data should be collected and to arrange a trial collection exercise;
• Evaluating the data collected, and assess implications for ongoing work;
• Agreeing definitions for Environmental Performance Indicators for production, transmission and distribution;
• After processing the information, producing a report on its work and proposals including a data collection form and users guidelines; and made good progress on the MSCE’s objective by end 2000.

BAT on gas turbines and engines
The MSCE agreed with a view to comprehensive input to the Seville process on BAT, that advice should be established by a working group on technologies for engines and turbines, with specific reference to the gas industry’s own use. The group’s membership was agreed later in 2000, and was expected to meet early in 2001.

CEN Sector Forum Gas
Since no solution was found to share the rapporteur’s cost among SFG stakeholders, Marcogaz has together with CEN/MEC, DVGW (Deutsche Vereinigung des Gas- und Wasserfaches) and AFG (Association Française du Gaz) worked out a new structure for CEN/SFG. The proposal was to set up under the full body CEN/SFG two sub-sectors, one for SFGas Supply (SFGas_S) monitored by DIN NAGas and the other for SFGas Utilisation (SFGas_U) under AFG flag, with two separate rapporteurs and secretariats, free of charge for SFG stakeholders.

Through the proposed re-organisation the Marcogaz objective is to set up a cost-effective and flexible industry driven structure, in which consultation can take place between manufacturers, gas supply industry, authorities, consumers and representatives.
of national standardisation bodies for guidance to be given to related CEN/TCs on specific items, such as interpretation of essential requirements of New Approach Directives, environmental aspects and other standard related issues, with a view to ensuring internal co-ordination of work and sharing opinions on standard related matters. The outcome of the re-organisation should lead to faster adoption of standards, in a situation of reduced availability of experts and financial resources as a result of gas market liberalisation and market globalisation.

The principle of the above re-organisation was fully supported by SFG stakeholders at the CEN/SFG meeting, which took place in Brussels in November 2000. The new CEN/SFG organisation will be applied from 2001 on the basis of a business plan together with a programme of work and internal organisation.

CEN/TC234 “Gas Supply”
Marcogaz, the representative of the European gas supply industry on all technical issues, maintains strong relationship with CEN/TC234. The latter has completed its work programme mandated under the Utilities Directive 93/38, to draft European functional standards for natural gas supply systems. At its meeting held in September 2000, Marcogaz presented a paper “future work and strategy for CEN/TC234”, its task and work programme for the year 2000 and following key issues:

- To monitor implementation of CEN TC234 functional standards in European countries in co-existence with national legislation covering pipeline systems and national standards and codes;
- To ensure compatibility between the requirements of CEN/TC234 functional standards and the performances defined in CEN/ISO product standards;
- In a second step, to recommend gradual improvement of CEN/TC234 standards to decrease differentials between existing national legislation and current CEN/TC234 standards, the objective being “the creation of the adequate safety playing field” as a minimum for all pipeline operators;
- To apply in an effective manner the ISO/CEN Vienna agreement protocol to avoid double work between both bodies, with the aim to have in the European and international market place, standards based on comparable or equivalent safety principles and to bring CEN standards in ISO area on a case by case approach;
- To review the status of liaison officers to monitor standardisation work outside the CEN/TC234 field with the task to detect in an early stage new developments having impact on the gas industry business and to identify areas where the product standards are incompatible with CEN/TC234 standards or where the standard does not achieve the required quality. The newly created SFGas Supply (SFGas_S) should facilitate consultation between all parties concerned to achieve the above mentioned objectives.

CEN Sector Forum Gas Working Groups
Under the Sector Forum Gas several WGs have been set up to deal with horizontal issues, three of which are convened by Marcogaz members. WGs

- WG2 “Environmental Aspects in Appliance Standards”
The WG is convened by the Marcogaz Secretariat.
The WG has drafted an example for the environmental matrix for EN 483 “Room sealed boilers”, identifying the effect on the environment (inputs and outputs) of gas appliance product life cycle, which was agreed with minor comments, by the CEN Environmental Helpdesk (EHD). It will serve as an example for other types of gas appliances.
The EHD, created in September 1999 established its annual report to BT, a compilation of a pilot list of WIs on which EHD has given advice as well as information regarding EHD newsletter. CEN Strategic Advisory Body on Environment (SABE) is currently discussing the future of the CEN/EHD.

WG8 “Construction Products”
The WG8 drafted a proposal to clarify the scope of the draft EC mandate M131 which was adopted by SFG stakeholders at the SFG meeting which took place on 29-30 November 2000. It was suggested to draft in the first place standards for all “gas” products inside the building up to the appliances, independently of the last point of delivery of the distribution grid. In a second stage, where relevant, to draft standards under CPD mandate for products used outside buildings but downstream the distribution grid. The WG8 will establish a positive list of products falling under its scope.

WG6 “Pressure Equipment”
CEN/SFG proposed guidance sheets have been discussed with the Commission WGP “Pressure”, a nucleus of authorities and Commission officials and Marcogaz.
The WGP “Pressure” interpretation is close to the gas industry guidelines. The final adoption of guidance sheets to apply PED, is the task of the Commission WG “Pressure” meeting in April 2001. It is assumed that the Commission WG will adopt the subject guidance sheets. CEN/TCs involved already started work to obtain the EC mandate under PED for their products, in drafting a report indicating gaps between the existing standards or drafts and the PED essential requirements.
Marcogaz is concerned that PED requirements should be set out in a
Marcogaz initiated several joint meetings with FAREGAZ (Union of European Manufacturers of Gas Pressure Controllers) and FACOGAZ (Chambre Syndicale des Fabricants de Compteurs Gaz) to establish synergies and common understanding with respect to EC Directives concerning Pressure Equipment (PED), Construction Products (CPD) and the forthcoming EC Directive concerning measuring instruments (MID).

In each area concerned, common industry position papers were established or are in preparation.

In the field of gas utilisation, Marcogaz maintains close contacts with AFECI (Association of European Manufacturers of Instantaneous Water Heaters and Wall-Hung Boilers), EBA (European Boiler Association), CEB (European Committee of Manufacturers of Burners) and AFECOR (European Control Manufacturer’s Association) to exchange views on new developments under EU legislation, and with respect to CEN/SFG, GADAC and BEDAC activities.

**Joint meetings with Manufacturers**

**Membership at 31 March 2001 of Standing Committees and Working Groups**

**SC Gas Utilisation**
- Th. Jannemann, Chairman (DVGW, D)
- M. Weichselberger (Wiengas, A) – M. Zeppegno (Italgas, I)

**WG Boiler Efficiency Labelling**

**SC Gas Supply**
- M. Desprets (KVBG, B) – F. Dupin (DVWG, D) – F. Jonon (Gaz de France, F) – J. Schweitzer (Danish Gas Technology Centre, DK) – J. Steiglechner (TUV, D)

**WG Task Force Energy Performance of Buildings**
- M. Desprets (KVBG, B) – F. Dupin (DVWG, D) – F. Jonon (Gaz de France, F) – J. Schweitzer (Danish Gas Technology Centre, DK) – J. Steiglechner (TUV, D)

**WG Gas Meters**
Walshe (Bord Gais Eireann, IRL)
Utilities Metro Committee*

P. Arnac (Eureaub, B) – R. Blackler (Advantica Technologies Ltd, GB) – J. Dehaeseleer (Electrabel, B) – A. Dick (Eurelectric, GB) – P. Grosshennig (Bayerngas, D) – P. Kröhner (Euroheat & Power Unichal, B) – M. Marin (Distrigaz, B) – D. Richelet (Schlumberger Industries, F) – J. L. Ryan (Eurelectric, GB) – J. Senave (Facogaz, B)

Utilities Radio Committee


WG Transmission Pipelines


Pipelines Federations Group*

J. Alberti (Dow Benelux, NL) – Mrs. J. Bugler (IMCA, GB) – J. ensen-Korte (Cefic, B) – F. J onckheere (Cefic, B) – T. Knight (BOC Ltd, GB) – G. Linke (Ruhrgas A.G., D) – E. Martin (Concawe, B) – J. Mocquart (Concawe, F) – D. Pelloux-Prayer (Gaz de France, F) – H. Puype (EIGA, B) – Mrs B. Raabe (Oil and Gas Producers Association, B) – Brian Raggett (Oil and Gas Producers Association, B) – J.-M. Sagot (EIGA, F) – F. Spiehkout (Nederlandse Gasunie, NL) – M. Verlinden (Distrigaz, B) – W. Vranckx (Nederlandse Aardolie Maatschappij, NL)

WG Pressure Equipment


WG Underground Storage

D. Deberdt (Distrigas, B) – G.H. J offre (Gaz de France, F) – L. Kreuz (OMV, A) – Mrs A. Leprince (Gaz de France, F) – G. Linke (Ruhrgas, D) – Mrs R.M. Nieto Prieto (Enagas, E) – Mrs B. Osterbye (Dong, DK) – A. Papi (Eni-Agip, I) – B. Smith (Advantica Technologies Ltd, GB)

PE pipes


SC Environment


WG Environmental Indicators

T. Chapuis (Gaz de France, F) – S. D’Angelosante (Snam, I) – M. Girard (Italgas, I) – B. Karl (DGC, D) – G. Macmillan (Transco, GB) – T. Veenstra (Gasunie, NL) – J. Vorgang (Ruhrgas, D)

WG BAT for Gas Engines and Turbines

C. Caroli (Snam, I) – R. Libosvar (Gaz de France, F) – J. Vorgang (Ruhrgas, D) – A. Wauters (Distrigas, B)

* Multi-sectoral working party co-ordinated by Marcogaz.