

# NGVA Europe Presentation Dossier

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# The Mission (1/2)

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- To provide a platform for all parties involved in the European NGV business to work jointly in order to optimize the use of available market opportunities.
- To collect, review and disseminate new information on technological innovations, environmental demands or proposed legislation.
- To collect, review and disseminate reliable statistical information concerning the NGV market development.
- To prepare and present well founded projections of future market potentials including a sensitivity analysis based on different scenarios.
- To develop draft position papers documenting desirable changes of standards (CEN/ISO), international regulations (GRPE), European emission regulations (MVEG) and other EU legislation.
- To have a dialogue with national NGV associations, European associations (e.g. Eurogas, Marcogaz, EBA and GERG) and international associations (e.g. NGV Global, former IANGV; IGU and IEA), seeking consensus on proposed position papers.
- To coordinate national and European lobbying activities based upon approved position papers (national actors to promote the same message as NGVA Europe would be promoting on the European or international level).
- To become recognized by the EU as a major stakeholder representing all of the parties interested in the future growth of the NGV market, being an active participant and major supplier of information to the EC.

## The Mission (2/2)

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- To adopt a pragmatic attitude to an ever changing political climate. Europe is a flexible concept. We now have the EU, the EFTA, the EEA, the EU candidate countries, the Mediterranean Union, and the Eastern Partnership to consider. NGVA Europe will keep its doors open to support of activities in all of the EMEA (Europe, Middle East and Africa) countries, but focus on the pan-European area.
- In Sweden biomethane now accounts for 65% of the fuel used in NGVs. It is essential to highlight the large potentials for use of renewably sourced methane, and the fact that all biological waste can be used for very efficient production of biomethane, also in other countries.
- To support the use of LNG which requires far less space for fuel storage than CNG and thus is an excellent alternative for heavy duty vehicles in daily use. LNG also provides an opportunity for cost efficient over land transportation of NG/biomethane into areas without close access to the natural gas grid.
- To become the preferred internet source for general information concerning the NGV business.
- To become the main source of information concerning European NG/biomethane refuelling opportunities. The refuelling infrastructure is the key to continued progress, and it is essential that NGVA Europe can (1) provide an overview of current refuelling opportunities, and (2) offer suggestions concerning future infrastructure developments (e.g. using the Blue Corridor concept).

# Registered Offices

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- One of the strategies that has been defined for the new Association is to use time limited staffing arrangements (with renewal options) and a similar approach concerning the localisation of its offices.
- The Association's secretariat is now domiciled in Spain and the bylaws are in accordance with the Spanish rules for non profit organisations. An English language version of the bylaws is also available.
- As lobbying in the European Union was defined as one of the main objectives of the Association, only after two years of operation NGVA Europe has been able to open a permanent branch office in Brussels, in September 2010.
- Matthias Maedge, that has been working for NGVA Europe from its constitution in May 2008, is now based in Brussels as EU Affairs and Marketing Manager.
- In line with the provisions of the bylaws, other branch offices may be opened later.

# Staff Members

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NGVA Europe has four people of permanent staff:

- General Manager **Manuel Lage**
- EU Affairs & Marketing Manager **Matthias Maedge**
- Technical Manager **Jaime del Álamo**
- Management Assistant **Pilar Pérez**

# General Manager

## Main responsibilities

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**Manuel Lage.** Ph.D. Mechanical Engineering

Senior industry manager with more than 35 years experience in the truck industry, having been responsible for Engine Engineering, Truck Development, Strategy and Product Planning, Sales & Marketing and Business Development.

Former responsible for IVECO Natural Gas Vehicle Development. He was also responsible of Institutional Relations of IVECO/Fiat in Spain.



### Main responsibilities:

- Chief Executive Officer of the Association
- To carry out the lobbying actions, mainly at European level, in line with the priorities established by the Working Committees, and confirmed by the Board and by the General Meeting
- To establish a yearly *road map* in which any of the actions defined by the Working Committees have to be included and assigned responsibilities and timing
- To guarantee the correct development of the Association activities, on a day to day basis, and also via special events
- To represent the Association in different European and International fora

# EU Affairs & Marketing Manager

## Main responsibilities

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**Matthias Maedge.** Master in Political Science, Media & Communication and English / German Translation.

Last employment: Student employee of Patrick Meinhardt, member of the German parliament, shadow secretary of education, Liberal Democrat (FDP). Responsible for: Writing press releases for regional/nationwide issues and preparing surveys pertaining to the implementation of the Bologna Process.

Fluent in German, English, French and Spanish.



### Main responsibilities:

- Permanent representation of NGVA Europe in Brussels
- Continuous contact and information exchange with the EU institutions and officers
- Membership acquisition, contact and development
- Coordination with other associations
- Marketing of the own association. Exchange of information and news. Website.
- Training courses organisation and development

# Technical Manager

## Main responsibilities

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**Jaime del Álamo.** Mechanical Engineer. Master in Automotive Engineering by the Polytechnic University of Madrid (Spain)

Last employment:

Technical assistant in the Spanish Ministry of Environment, Air Quality Dept. Responsible of attending to International technical meetings (EC, ISO, UNECE). Elaboration of reports for the Ministry; main field of activity: transport and environmental sector (DG ENV)



Fluent in Spanish, English and good knowledge of French.

### Main responsibilities:

- Managing, coordination and assistance to EU/UN Working Parties activities
- Monitoring of European Standards & Regulations related to NGV
- Responsible for the implementation of the Brussels & Geneva technical Roadmaps
- Support to members in technical issues
- Coordination of Case Studies, Technical Communications, Technical Reports, etc.

# Management Assistant

## Main responsibilities

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**Pilar Pérez.** Master in Arts.

Last employment:

Assistant to the Natural Gas Vehicle Development in Iveco España S.L.  
Customer services in Old Church Art Gallery, London  
Area di Conservazione. Museo Luigi Pecci. Florence. Italy

Fluent in Spanish, English and Italian.



### **Main responsibilities:**

- Agenda coordination for NGVA Europe events and participations
- Internal and external event managing
- Fiscal and Social Security Association details. Monitoring and data supply
- Daily back office and travel organisation
- Budget data support and updating

# Board of Directors

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- Chairman: **Trevor Fletcher, The Hardstaff Group, Nottingham (U.K.)**
- Vice-Chairman: **Gerhard Holtmeier, erdgas mobil e.V., Berlin (Germany)**
- Secretary: **Hans Wach, Gasmobil AG, Arlesheim (Switzerland)**
  
- Directors:
  - Flavio Mariani , ENI S.p.A., Milano (Italy)**
  - Jaume Miró, Gas Natural S.A., Madrid (Spain)**
  - Pablo Cebrián, IVECO España S.L., Madrid (Spain)**
  - Maurizio Pastine, Fiat Group Automobiles S.p.A., Turin (Italy)**
  - Anders Mathiasson, Swedish Gas Assoc., Stockholm (Sweden)**
  - Thomas Freund, Swagelok, Lachen (Switzerland)**

***Peter Boisen, first Chairman and co-founder of NGVA Europe, was nominated Honorary Chairman in the BoD of March 2010.***

# Working Structure

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The work of NGVA Europe is now organised in four main lines of activity:

1. **Staff responsibilities:** EU affairs, Marketing & Communications, European projects, coordination & cooperation with other European & World organisations, preparation of official NGVA Europe documents etc.

2. **Technical work** (coordinated by Jaime del Álamo, Technical Manager, with the help of appointed experts from among the Association's members): General technical work of the own Association and a permanent representation in EU/UN technical working parties on standards and emission regulations.

3. **Lobbying activities** are coordinated by the General Manager, Manuel Lage, and carried out by Matthias Maedge, from the new Brussels office.

4. Work in NGVA Europe **ad-hoc working groups** on various issues (see next slide)

# Ad-hoc working groups

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## **1. Biomethane**

Coordinator: Peter Boisen, CRC Chairman, Sweden

## **2. Dual Fuel Technology**

Coordinator: Jürgen Brachetti – Brachetti & Partner, Germany

## **3. Education/Training**

Coordinator: Gijsbrecht van Schoonhoven – Ingeniebüro van Schoonhoven, Germany

## **5. Exhibition Coordination**

Coordinator: Mark Lawday – Luxfer Cylinders, United Kingdom

## **5. LNG & L-CNG**

Coordinator: Enric Boné – IDIADA, Spain

## **6. Successful Market Initiatives**

Coordinator: Gabriele Gozzi – Idromeccanica, Italy

## **7. Hythane (CH<sub>4</sub>/H<sub>2</sub> mixtures)**

Coordinator: Ezio Volpi – Metatron, Italy

# New Working Group Hydrogen/Natural gas mixtures

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Working Group Coordinator: Ezio Volpi, Metatron (Italy)

Statement by NGVA Europe:

CNG vehicle technology allows the use of up to 20% hydrogen/ 80% methane mixtures.

“Hydrogen mixtures could be used as a transition fuel towards the use of pure hydrogen, to facilitate the introduction of hydrogen powered vehicles in Member States where the natural gas infrastructure is good”.

This quotation is taken from the *Regulation PE-CONS 3674/08 on type approval of hydrogen Powered motor vehicle, and amending Directive 2007/46/EC*, paragraph 8, page 6. Thus vehicles using mixtures of H<sub>2</sub> + CH<sub>4</sub> are considered as hydrogen vehicles.

This definition included in the Regulation of the type approval of hydrogen vehicles will bring stimulus to the mass production (before this regulation mixtures powered vehicles had to be type approved with an ad hoc procedure).

# Technical coordinating responsibilities: EU/UN Working Parties (1/2)

Coordinator: Jaime del Álamo

Working party	Activity	NGVA Europe representatives
<b>Field of activity Gas Quality (Martin Seifert)</b>		
<b>CEN/TC 234 WG9</b>	Technical specification for biomethane injected into the NG grid	Martin Seifert Flavio Mariani
<b>ISO TC 193</b>	Developing of international standards on natural gas quality	Martin Seifert Flavio Mariani
<b>Field of activity Components Standardisation (Flavio Mariani)</b>		
<b>CEN/TC326</b>	European Standards referring to the use of natural gas in vehicles. CNG & LNG filling stations	Flavio Mariani Martin Seifert
<b>ISO/TC22/SC25</b>	International standards on systems and components for CNG, LNG and mixtures of CNG+H2 equipment.	Flavio Mariani Martin Seifert
<b>GRSG (Group of Rapporteurs on General Safety)</b>	UN ECE regulations regarding vehicle safety	Aldo Bassi Manuel Lage

# Technical coordinating responsibilities: EU/UN Working Parties (2/2)

Working party	Activity	NGVA Europe representatives
Field of activity Vehicle Emissions ( <b>Stefan Behrning</b> )		
<b>GRPE (Working Party on Pollution and Energy)</b>	UN ECE regulations regarding vehicle exhaust emissions	Aldo Bassi Manuel Lage
<b>Informal Group on Gaseous Fuelled Vehicles (GFV)</b>	Advanced informal discussions about amendments regarding UN ECE regulations	Stefan Behrning Aldo Bassi Rosa Delgado
<b>Informal Group Environment Friendly Vehicles (EFV)</b>	Monitoring of international regulations on vehicle emissions	Rosa Delgado Aldo Bassi Stefan Behrning
<b>MVEG Motor Vehicle Emission Group</b>	Preparation of regulations for vehicle emissions	Stefan Behrning Rosa Delgado Manuel Lage

# The Country Representatives Committee (CRC)

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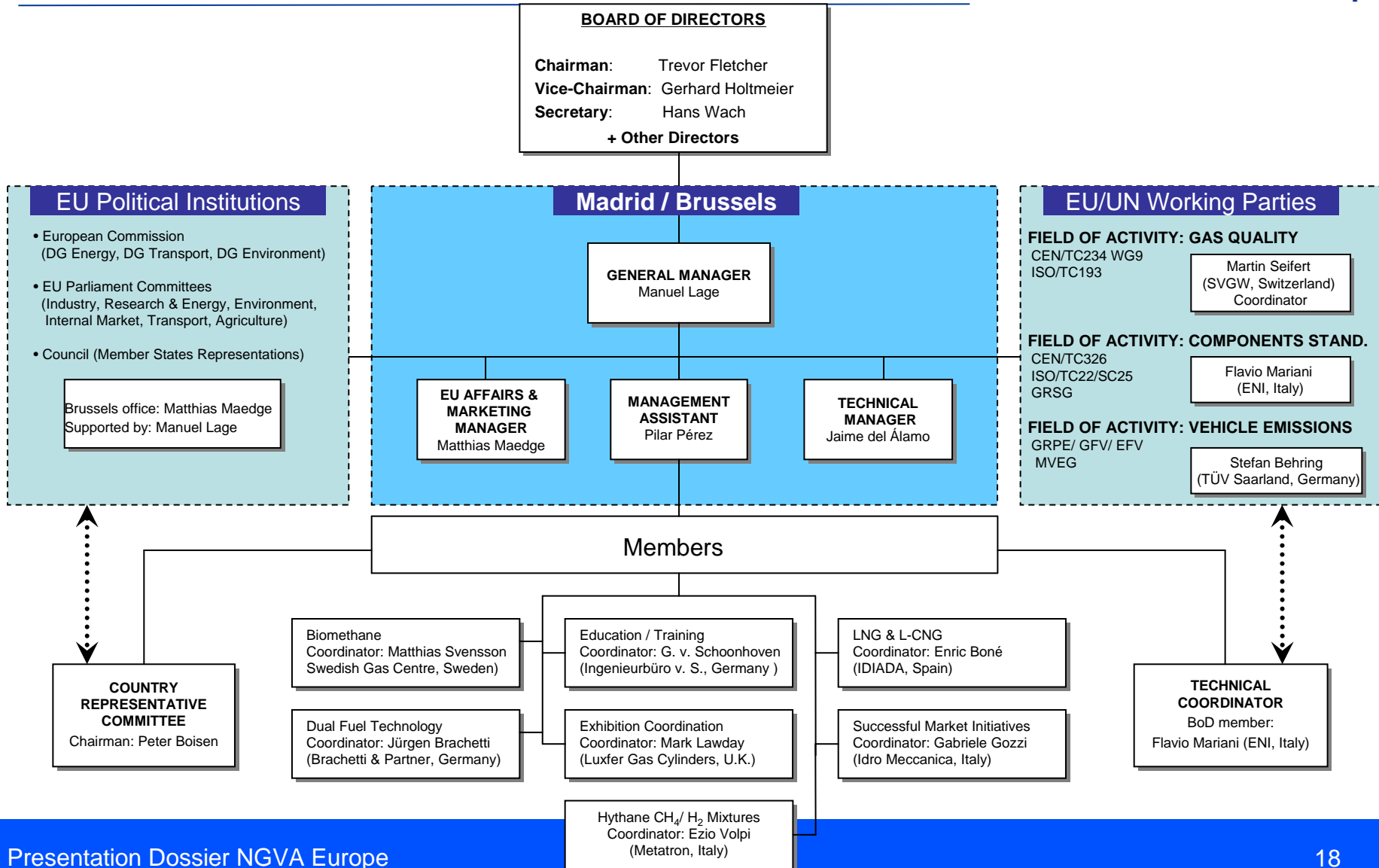


The CRC is a link between NGVA Europe and the national NGV interests

- New proposals on standards, regulations and legislation will be distributed to the CRC members, in order to better coordinate NGVA Europe's lobbying work together with national NGV interests.  
Early information exchange of this nature will enable the start of national lobbying activities
- The CRC representatives supply statistical updates on the national NGV developments as per June 30 and December 31 each year
- The CRC representatives also provide NGVA Europe with a compact overview concerning their national NGV market (main stakeholders, national legislation affecting NGV market developments and any other generally interesting information)

**Chairman of the CRC: Peter Boisen**

# Organisation Plan



# Technical working activities: Roadmap Geneva

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The Roadmap Geneva is a working document we keep continuously updated. It describes NGVA Europe's working activities in Geneva. These activities reflect NGVA Europe's interests in the definition of technical standards & regulations regarding NGVs. Geneva work is related to international technical standards & regulations and provides the technical basis for EU policy. It is carried mainly out in ISO (Int. Standardization Org.) and GRPE (Working Party on Pollution and Energy) working groups.

NGVA Europe coordinates its activities with the International Association of NGVs (IANGV), which is also working on these issues on the world level (e.g. UN activities) and other major national interest parties (like ENI, NGV System Italia, etc.)

This work is coordinated by Jaime del Álamo and is organized via three fields of activity:

- **Gas Quality** (Coordinator: **Martin Seifert**)
- **Components Standardisation** (Coordinator: **Flavio Mariani**)
- **Vehicle Emissions** (Coordinator: **Stefan Behrning**)

# Roadmap Geneva: Working Priorities (1/2)

Work item	Priority	Explanation/Remarks	Action
Including NGVs in UN-related carbon trading or emission trading schemes	medium	Swiss climate “cent” initiative	Monitoring of UN-acivities
Changing the UN ECE total hydrocarbon standard to a methane cap	high	<ul style="list-style-type: none"> <li>• EU-legislation</li> <li>• Amendment to UN-Regulation 115</li> </ul>	Lobbying to change THC value to a methane cap
Harmonizing ISO and UN regulations	high	<ul style="list-style-type: none"> <li>• ISO 15500 Fuel system components</li> <li>• ISO 15501 CNG Fuel systems</li> <li>• ISO 11439 Cylinders</li> </ul> All ISO-standards in review inside ISO TC 22 CS25	Including ISO in ECE R110 and ECE R115
Establishing of a biomethane fuel quality standard at UN ECE	high	Biomethane gas quality standard	<ul style="list-style-type: none"> <li>• Establishing a NGVA Europe biomethane regulation working group</li> <li>• To formulate a strategy for biomethane standard in ECE R110</li> </ul>
Creation of worldwide LNG vehicle, fuel quality and fuelling station standards/ regulation	high	Relevant standards committee's: CEN/TC 326 ISO TC 22 SC25	<ul style="list-style-type: none"> <li>• Following LNG Standards</li> <li>• Including LNG-standards in ECE R110/115</li> <li>• Adding of amendments to ECE R110/115 regarding LNG</li> </ul>

# Roadmap Geneva: Working Priorities (2/2)

Work item	Priority	Explanation/Remarks	Action
To ensure that the CNG fueling station signage consolidated resolution is included in the next series of treaty amendments on road signage	medium	In Europe the road sign for CNG refueling stations is accepted	Include the CNG refueling station signage in EU resolutions
Increasing the percentage of hydrogen allowed by UNECE for methane/ hydrogen blends	low		Investigation by a technical working group
Continuous representation of NGVA Europe in the informal working group on gaseous fuelled vehicles (GFV)	high		Evaluation of new UN-amendments
Continuous participation in the informal GRPE working group on Environmentally Friendly Vehicles (EFV) ECE/TRANS/WP.29/GRPE	medium		Following the discussions in regard of gaseous fuel vehicles
Including dual fuel engine technology into UN ECE regulations	medium		<ul style="list-style-type: none"> <li>• Creation of a list of all Interested parties</li> <li>• Definition of the gaps in Standards and emission legislation</li> <li>• To formulate and promote relevant amendments to ECE-Regulations</li> </ul>

# EU policy affecting NGVs: Roadmap Brussels

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As the Roadmap Geneva, the Roadmap Brussels is a working document which will be kept continuously updated by NGVA Europe. It describes the most important EU policy regarding NGVs being on the European political agenda. These activities also mark the presence of NGVA Europe's interests in the definition of the legislation regarding NGVs in general.

This work is coordinated by M. Lage, our General Manager and carried out by Matthias Maedge, operating from the Brussels office.

The country representatives are also involved in the review of the Roadmap. We are encouraging them to contact Members of the European Parliament (MEPs) from their respective countries in order to help seeking for political support of NGVA Europe positions. Part of the lobbying work must be undertaken also on a national level. The overall message is coordinated by NGVA Europe.

# Roadmap Brussels: Policies affecting NGVs in 2009 (1/2)

EU COMM Initiatives	dealt with by NGVA Europe	Rapporteur (MEP)	last plenary session
2005/0283 (COD) Promotion of clean road transport vehicles	yes	Dan Jorgensen	2008-10-21
2007/0295 (COD) Type approval of motor vehicles (EURO VI)	yes	Matthias Groothe	2008-11-17
2007/0297 (COD) Under review - Emission performance standards for new passenger cars	voted and approved	Guido Sacconi	2008-12-17
2007/0019 (COD) Monitoring of GHG emissions from fuels	yes	Dorette Corbey	2008-12-16
2008/0016(COD) Energy produced from renewable sources	yes	Claude Turmes	2008-12-16

# Roadmap Brussels: NGVA Europe's contributions on EC level



EU COMM Initiatives	dealt with by NGVA Europe	Rapporteur (MEP)	last plenary session
2008/2214(INI) Under review - Follow-up of national energy efficiency action plans	yes	András Gyürk	2009-02-18
2008/0147(COD) Under review - The charging of heavy goods vehicles	yes	Said El Khadraoui	2009-03-09
2008/2240(INI) Under review - Greening Transport Package and Internalisation of External Costs	yes	Georg Jarzembowski	2009-03-10
2008/2217(INI) Under review - The Action Plan on Urban Mobility (TRAN)	yes		2009-04-22
Under review - Public consultation on DG TREN green paper on energy	yes		

# Fee Structure 2010

Level	Votes	2009 annual membership fee (excl. VAT)	Category 1 Commercial enterprises	Category 2 Associations	Category 3 NGO's, Public Entities and Private Persons
			Criteria	Criteria	Criteria
			Annual sales turnover million Euro	Annual income budget, million Euro	Annual income budget, million Euro
A	11	€ 14.000	>1000	>10	n.a.
B	8	€ 11.200	501-1000	5-10	n.a.
C	5	€ 7.000	101-500	1-5	n.a.
D	3	€ 4.200	10,1-100	0,5-1	>0,5
E	1	€ 1.400	0,1-10	0,1-0,5	0,1-0,5
F	0	€ 350	0-0,1	n.a.	0-0,1
N.B.:					
For NGO's, public entities and private persons only levels D-F are offered					
Note: Level F only applies for Category 1 and 3 if the annual sales turnover/annual budget income is not exceeding 100.000 €					
Paid up memberships offer the following benefits:					
All A-level members have the right to claim a seat on the board. The directorship, however, is a personal responsibility of the nominated person					
Access to members' section of NGVA Europe web site					
Access to NGVA Europe events at discounted membership rates					
Possibility to join NGVA Europe committee work					
Reasonable support from NGVA Europe staff					
NGVA Europe press releases, newsletters, statistical reports,					
Reviews of pending ISO/CEN standards, UN ECE regulations and EC/EEA legislation					
All the NGVA Europe members are automatically also members of the IANGV					

# Fee Structure 2011

This fee structure was approved by the association members on the General Meeting held in Rome last 7th June 2010



Level	Votes	2009 annual membership fee (excl. VAT)	Category 1 Commercial enterprises	Category 2 Associations	Category 3 NGO's, Public Entities and Private Persons
			Criteria	Criteria	Criteria
			Annual sales turnover million Euro	Annual income budget, million Euro	Annual income budget, million Euro
A	11	€ 14.700	>1000	>10	n.a.
B	8	€ 11.760	501-1000	5-10	n.a.
C	5	€ 7.350	101-500	1-5	n.a.
D	3	€ 4.410	10,1-100	0,5-1	>0,5
E	1	€ 1.550	0,1-10	0,1-0,5	0,1-0,5
F	0	€ 390	0-0,1	n.a.	0-0,1

N.B.:			
For NGO's, public entities and private persons only levels D-F are offered			
Note: Level F only applies for Category 1 and 3 if the annual sales turnover/annual budget income is not exceeding 100.000 €			
Paid up memberships offer the following benefits:			
All A-level members have the right to claim a seat on the board. The directorship, however, is a personal responsibility of the nominated person			
Access to members' section of NGVA Europe web site			
Access to NGVA Europe events at discounted membership rates			
Possibility to join NGVA Europe committee work			
Reasonable support from NGVA Europe staff			
NGVA Europe press releases, newsletters, statistical reports,			
Reviews of pending ISO/CEN standards, UN ECE regulations and EC/EEA legislation			
All the NGVA Europe members are automatically also members of the IANGV			

# Association address

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