

## Management of Programme

The participants manage the Programme through an Executive Committee, composed of one member representing each participating country. The Executive Committee is an active and authoritative group of persons, representing independent organisations. Thus, it is possible to supply participating governments with results of studies that are objective and not coloured by industrial or political interests.

Members of the Executive Committee meet every nine months in one of the participating countries. An IEA/AMF secretary assists the Executive Committee, and a member of the IEA Secretariat attends the meetings in an advisory capacity.



November 2002

# International Collaboration Programme on Advanced Motor Fuels (AMF)



### Information

Updated information on IEA/AMF is found on [www.iea-amf.vtt.fi](http://www.iea-amf.vtt.fi).

More detailed information is found in the IEA/AMF Annual Report 2001 (available upon request to the IEA/AMF secretariat).

Those interested to join the Programme are welcome to contact the IEA/AMF secretary Claës Pilo, SDAB Transport & Environment, Roslagsvägen 54, SE-113 47 Stockholm, Tel +46 8 15 11 90, Fax +46 8 15 11 91, E-mail [pilo.sdab@swipnet.se](mailto:pilo.sdab@swipnet.se)



*A number of IEA Member countries have found it efficient and cost effective to co-operate on R&D and exchange information regarding Advanced Motor Fuels, to develop new and improved technologies and facilitate their introduction into the market.*

*This Collaboration Programme on Advanced Motor Fuels takes the form of an Implementing Agreement under the International Energy Agency (IEA). All countries concerned about energy and environment in the transport sector, whether or not they are members of the IEA, are welcomed to join this international effort and share this experience.*

*The objective of the Advanced Motor Fuels collaboration programme is to exchange information and manage a network of experts in the field of advanced motor fuels. Participants are concerned about emission reductions, energy efficiency, field trials as well as broader aspects.*

*The Collaboration Programme on Advanced Motor Fuels forms a platform for co-ordinated efforts on an international level to evaluate new fuel options, where experts share experience and the results of their endeavours.*

## **Focus of the Programme**

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Transport accounts for some 32 % of final energy use and 60 % of total oil use, 83 % of which is used by road transport.

Alternative Motor Fuels are therefore important to increasing diversity of supply, as well as offering advantages in terms of emissions of greenhouse gases and other pollutants.

Participants to the Programme are seeking answers to questions such as:

- What to expect of future motor fuels?
- What fuel requirements can be foreseen for new engines and vehicles?
- What will be the latitude for choice of fuel given modern engine technology requirements?

Advanced Motor Fuels are those fuels, which fulfil one or more of the following criteria:

- low toxic exhaust emissions
- improved life cycle efficiency
- reduced greenhouse gas emissions/renewable energy sources
- fuels for new propulsion systems

Of special interest is the use of energy and hydrogen carriers for fuel cells and new types of engines.

The present "Strategic Plan for 1999-2004" emphasises "Demonstrations" and "Preparations for Market Introduction". Co-operation with industry is stimulated. Participants to the Programme also encourage the submission of proposals for exploratory projects on fuels and emission control in areas such as road transport, other transport modes, off-road vehicles and other working machines, lubricants and standardisation of fuels, components and tests.

## **Programme**

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Since the start of the Programme, 19 projects have been completed. These projects aimed at collection and exchange of information, state-of-the-art reports, emission performance, characterisation of new fuels, field tests of fuels and vehicles, etc. Project information is summarised in publications primarily distributed among participants and some summaries and studies are publicly available upon request.

Today, 7 projects involving industries, consultants, laboratories and government agencies are running:

- Environmental and economic aspects of biodegradable lubricants
- Deployment strategies for hybrid, electric and alternative fuel vehicles
- Particle emissions from different fuels at moderate and cold temperatures
- IEA/AMF Automotive Fuels Information Service (IEA/AMF AFIS newsletter)
- Fuel effects on emissions from non-road vehicles
- Alcohols/ethers as oxygenates in diesel fuels
- Standardization of alternative motor fuels

## **Participation**

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The participating governments designate a government organisation or a private entity (industry) as representative.

The Advanced Motor Fuel collaboration programme was launched with 5 participating countries in 1984. Today, 10 countries are involved in the Programme. France joined the Advanced Motor Fuels collaboration programme in 2000, Denmark in 2001 and Spain in 2002.