



## IA-HEV enters phase 3

At its meeting on 3-4 November 2004, the IEA Committee on Energy Research and Technology (CERT) agreed to extend the term of our Implementing Agreement (IA) for another period of five years (2004 –2009). The IA will continue working on its objectives of collaboration on pre-competitive research and dissemination of information. In the third phase automated transportation systems using electric vehicles and also renewable energy will be new items in the scope of work. Collaboration with other IEA Implementing Agreements and other groups will be actively sought. Individual topics are addressed in Annexes. Currently active Annexes are focusing on information exchange, hybrid vehicles, deployment strategies, electrochemical systems and electric two wheelers.

## A word from the Chair

On December 1st, 2004, we entered the 3rd phase of the Implementing Agreement for “Hybrid-, Fuel Cell- and Electric Vehicles”. In the recent IEA Technology Brief on Transport these technologies are mentioned as the most promising technologies in the short, mid and long term until 2050. Membership and collaboration in the Agreement is therefore a good and cheap investment for all countries interested in the “winning technologies” for individual mobility.

Looking at the future is good but we are living in the present. That is one of the reasons why I am so glad that we see a breakthrough of the first hybrid products in the marketplace. In our Annex VII “Hybrid vehicles” specialists share the information about this technology. Please contact our Operating Agent, Mr. Rob Winkel,

and check whether your country’s specialists are not missed in this group.

The coming months we are preparing new Annexes about various new topics. Please have a look at the list in the newsletter and inform your specialists.

Many countries are involved in research, development and in the application of clean vehicles. To address these countries and informing them about our work and to integrate them in our Implementing Agreement is one of the priorities for our new secretary Mr. Martijn van Walwijk. He is an internationally well-known specialist and we are happy that he accepted his election at our ExCo-meeting in Argonne, November 2004. He replaces Mr. Frans Koch (Canada) who has retired. Frans Koch managed this Agreement as its first secretary since 1993, and he will support the new secretary during the coming weeks.

I wish Martijn van Walwijk success as the new secretary, and I hope that I will have the pleasure to welcome new IA-HEV members in 2005.

Urs Muntwyler, Chairman

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## **IA-HEV at EVS-21**

The 21st worldwide International Battery, Hybrid and Fuel Cell Electric Vehicle Symposium & Exhibition will be held in Monte Carlo from 2nd to 6th April 2005.

<http://www.evs21.org>

Our implementing agreement will have a booth at the exhibition. You are warmly invited to meet our members and Operating Agents there.

IA-HEV activities will be presented in a number of dialogue sessions. Visit one of the following presentations to learn more about the agreement.

- The IEA Hybrid and Electric Vehicle Agreement - Achievements of Phase 2 and Plans for Phase 3.  
Frans Koch, Canada, Urs Muntwyler, Switzerland.
- International Cooperation for Information Exchange on Electric Vehicle Technologies and Programmes – Annex I of IEA Implementing Agreement for Hybrid and Electric Vehicles.  
Juhani Laurikko, Anu Solla, VTT Processes, Finland.
- Market Introduction of Fuel Cell Vehicles: Lessons Learned by EV-, HEV- and Alternative Fuel Vehicles Promotion Programmes.  
Sigrid Kleindienst Muntwyler, Engineering Office Muntwyler, Switzerland.
- Electric Two Wheelers as a New IEA Task Force.  
Urs Schwegler, Büro für Verkehrsplanung, Switzerland.

Besides these presentations, IA-HEV is planning workshops on hybrid vehicles, plug in hybrids and electric two wheelers. Finally, IA-HEV will introduce the “IA Hybrid and Electric Vehicle Award” for number of sold cars, for good practice of fleet tests and marketing measures and there will be a personal award for somebody who has exceptionally contributed to the subject of HEVs. Recommendations for the award can be sent to the chairman [info@solarcenter.ch](mailto:info@solarcenter.ch) or to the secretary [secretariat.ieahev@wanadoo.fr](mailto:secretariat.ieahev@wanadoo.fr). More information about these activities will be supplied in the next IA-HEV Newsletter.

## **Thank you Frans Koch!**

All members of the IA-HEV Executive Committee and the Operating Agents express their great appreciation for all the work that Frans Koch performed as the secretary of the agreement during the past ten years. His enthusiasm, his positive and constructive contributions and his relevant knowledge have been highly appreciated. We all wish Frans a very happy and healthy retirement!

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## **HEVs in new IEA publication**

Just from the press is the IEA Technology Brief on Transport. It examines the role that energy technologies can play in a sustainable future. The paper describes technologies and actions that could form the basis for a “clean” transport system in OECD countries, in particular with low greenhouse gas (GHG) emissions. Two important conclusions from the analysis in the paper are:

- Many of the actions to reduce GHG emissions that are available now will also be important for the transition to sustainable transport.
- In order to achieve a transition in the long-term, it is necessary to take certain actions very soon.

Essential long-term technologies that are mentioned in the report include -among others- Electric and Hybrid Vehicle Systems.

Paper copies of the report are available at the IEA headquarters in Paris or the report can be downloaded from the Internet at:

<http://www.iea.org/Textbase/Papers/papersresult.s.asp?keyword=4121&year=2004&Submit=Submit>





In front of the Louvre museum, Paris.  
(Photo © M. van Walwijk)

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## ***A word from the new secretary***

Let me start by thanking the members of the Executive Committee for their confidence by electing me as the new secretary.

For twenty years I have been working on advanced vehicles and drivetrains, including HEVs. This includes more than ten years of co-operating within the IEA framework. Some of the readers may remember that I contributed to the joint Annex on 'Deployment strategies for clean vehicles' as the Operating Agent of the Advanced Motor Fuels Implementing Agreement. Based on this experience and with the help of people involved in the agreement I hope to be fully operational as the secretary in short notice. I am looking forward to co-operating with you!

Martijn van Walwijk, Secretary

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## ***Colophon***

The electronic HEV Newsletter is produced by IEA's Implementing Agreement on Hybrid and Electric Vehicle Technologies and Programmes (IA-HEV). For information on the agreement and for contributions to this Newsletter, please contact the IA-HEV secretary Martijn van Walwijk at [secretariat.ieahev@wanadoo.fr](mailto:secretariat.ieahev@wanadoo.fr)

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## ***New Annexes***

The members of IA-HEV are continuously monitoring developments in the field to determine the need for new Annexes that can spur technology development and/or market introduction of HEVs. Topics that are currently in the identification phase are:

- Cyber vehicles,
- HEVs & EVs powered by renewable energies,
- Fuel cells for vehicles,
- HEVs & EVs in mass transportation and heavy-duty vehicles,
- Testing standards.

People and organisations that are interested in these topics or that may be able to supply information are welcome to contact the IA-HEV secretary. Interested parties can contribute to determining the working programme and they will be the first to be able to use the results. So don't miss this opportunity to be in the forefront of new developments and to be informed on the latest results.

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## ***Agenda***

March 31 – April 1, 2005

Annex VII, Hybrid vehicles.

Expert meeting in Lyon, France.

April 2 – 6, 2005

EVS-21 in Monaco.

More details can be found in this Newsletter.

April 2, 2005

Award-ceremony of the 1<sup>st</sup> "IA Hybrid and Electric Vehicle-Award", 7 p.m. Grimaldi-Forum Monaco.

April 7 – 8, 2005

IA-HEV ExCo meeting.

April 9, 2005

Annex I, Information exchange.

Expert meeting.