



College of Europe  
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Natolin

**TOYOTA Chair for Industry and Sustainability**  
Department of European Economic Studies

# Hydrogen in Europe

## Towards a consistent Policy Framework for Sustainable Energy and Mobility

A Conference at the College of Europe, Bruges, Belgium  
Wednesday 23<sup>rd</sup> and Thursday 24<sup>th</sup> June 2004

*Conference location: College of Europe, Dijver 11, 8000 Bruges, Belgium*

### Wednesday, 23<sup>rd</sup> June

16.00 Registration and Welcome Coffee (Foyer/Room E)

17.00 Welcome by Paul Demaret, Rector, College of Europe (Room E)

17.05 Welcome by Raimund Bleischwitz, Chairholder, TOYOTA Chair College of Europe (Room E)

17.10 **Keynote address** (Room E)

Jorgen Henningsen, Principal Adviser, European Commission, Directorate General Transport and Energy  
Discussion

18.00 **Plenary speech** (Room E)

Stephan Singer, Head of European Climate Unit, WWF  
Discussion

18.30 *Drinks and Reception (Foyer)*

19.30 **Keynote address** (via Videoconference) (Room E)

Amory B. Lovins, CEO, Rocky Mountain Institute Inc.  
Discussion

20.30 *Dinner*



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**Thursday, 24<sup>th</sup> June**

08.30 Registration and Welcome coffee (Foyer/Room E)

**09.00 Parallel-Session 1**

Room E: System Analyses	Room A: Regional Transition Strategies
<p><b>Chair: Matthias Altmann</b></p> <p><b>Stephan Ramesohl, Wuppertal Institute:</b> “Dynamic Energy Systems Analysis and the Policy Framework of New Energy Technologies”</p> <p><b>Asami Miketa, International Institute for Applied Systems Analysis:</b> “Towards a Hydrogen Economy: Analyzing Technology Strategies and their Implications for Europe in a long-term Scenario with Special Attention to Future Mobility”</p> <p><b>Catherine Cooremans, University of Geneva:</b> “Overcoming Barriers to Hydrogen in Europe”</p> <p><b>Matthias Altmann, L-B-Systemtechnik GmbH:</b> “Towards a European Hydrogen Roadmap”</p> <p>Discussion</p>	<p><b>Chair: Jürgen-Friedrich Hake</b></p> <p><b>Matthijs Hisschemoller, University of Amsterdam:</b> “What Governs the Transition to a Hydrogen Economy? Articulating the Relationship between Technologies and Political Institutions”</p> <p><b>Malcolm Eames, Policy Studies Institute:</b> “Emerging niches and Hydrogen futures: perspectives from the work of the UK Sustainable Hydrogen Energy Consortium”</p> <p><b>Silvia Rezessy, Central European University Budapest:</b> “Establishing a Policy Framework for Hydrogen”</p> <p><b>Jürgen-Friedrich Hake, Forschungszentrum Jülich:</b> “Perspectives of Hydrogen in the German Energy System”</p> <p>Discussion</p>

10.45 *Coffee break*

**11.00 Plenary Speech (Room E)**

Jason Anderson, Energy Specialist, Climate Action Network  
“Will Hydrogen be Part of a Green Energy System?”



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## 11.30 Parallel-Session 2

Room E: System Analyses (continued)	Room A: Sectoral Business Strategies
<p><b>Chair: Jacques Pelkmans</b></p> <p><b>Aviel Verbruggen, University of Antwerp:</b> “Can Energy Efficiency meet Backstop Supply Technologies”</p> <p><b>Kas Hemmes, Delft University of Technology:</b> “The Transition to Hydrogen in Europe – Framing the Complexity in Markets, Institutions and Technology”</p> <p><b>Harry Lehmann, Eurosolar:</b> “The role of Hydrogen in Supply Systems with high share of Renewables: a look at Germany, EU and Japan”</p> <p>Discussion</p>	<p><b>Chair: Raimund Bleischwitz</b></p> <p><b>Martina Otto, UNEP:</b></p> <p><b>Onno Florisson, Gasunie Research:</b> “The NATURALHY-Project: Preparing for the Hydrogen Economy by using the existing Natural Gas System as a Catalyst”</p> <p><b>Hugo Vandenborre, Stuart Energy Europe NV:</b> “Hydrogen Fueling Stations, based on IMET technology, for the CUTE Project”</p> <p>Discussion</p>

13.00 *Lunch*

### 14.30 **Plenary Speech** (Room E)

Jorge Vasconcelos, Chairman, Energy Services Regulation Authority

### 15.00 **Final conference panel followed by discussion: “Towards a Consistent Policy Framework”** (Room E)

Chair: Raimund Bleischwitz, Chair holder, TOYOTA Chair for Industry and Sustainability, College of Europe

Matthias Altmann, Project Manager, L-B-Systemtechnik GmbH

Horst Feuerstein, Director, Operations Evaluation, European Investment Bank

Jürgen-Friedrich Hake, Head of the Programme Group Systems Analysis and Technology evaluation, Forschungszentrum Jülich

Jacques Pelkmans, Director, European Economic Studies Department, College of Europe

Jorge Vasconcelos, Chairman, Energy Services Regulation Authority, Portugal

Aviel Verbruggen, Chairman, Research Centre on Technology, Energy and Environment (STEM), University of Antwerp

### 16:15 **Closing Speech**

Peter Hennicke, President, Wuppertal Institute

16.45 End of conference

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## Organizing Committee:

*College of Europe, Bruges*

Prof. Dr. Raimund Bleischwitz – TOYOTA Chair for Industry and Sustainability

Prof. Dr. Jacques Pelkmans – Director of European Economic Studies Department

Michael Latsch – Teaching Assistant, Toyota Chair for Industry and Sustainability

*Wuppertal Institute, Germany*

Dr. Stephan Ramesohl

Supported by:



Organized in co-operation with:



TOYOTA Chair for Industry and Sustainability (European Economic Studies)  
Dijver 11 | BE-8000 Brugge, Belgium | Tel. +32 (0) 50 47 - 72 27 or - 72 21 | Fax +32 (0) 50 47 72 20  
E-mail: Rbleischwitz@coleurop.be Mlatsch@coleurop.be | www.coleurop.be