

## Associated Event



**RIO+20**  
United Nations  
Conference on  
Sustainable  
Development



# Programme

# Global Forum on Electric Mobility

## Greening Transport for Sustainable Development

Monday 18 June 2012 | Rio de Janeiro, Brazil

*"The sustainable development agenda is the growth agenda for the 21st century."*

Ban Ki-moon  
United Nations Secretary-General

### CO-ORGANIZED BY



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## **Invitation**

# **Global Forum on Electric Mobility Greening Transport for Sustainable Development**

The High-level Intergovernmental Rio+20 Conference will bring together Heads of State and Governments, leading policy and decision makers from both public and private sectors, and attract thousands of participants, including NGOs, experts, the media and other environmentally and socially concerned civil society groups.

Among other topics, Rio+20 will focus its debate on enhancing a 'green' economy in the context of sustainable development and poverty eradication. A 'greener' economy and sustainable development is only achievable if the increasingly urgent issues in transport are more vigorously addressed.

In specific applications, electric mobility offers important opportunities to enhance sustainable development. As battery and vehicle technologies continuously advance, EV manufacturers now offer hybrid, plug-in hybrid and battery powered vehicles. Some countries and cities actively promote the emerging electric mobility industry by providing financial and other incentives.

Many recent model and pilot projects have clearly demonstrated the economic viability and the social and environmental benefits of electric vehicles, in particular in areas where electricity supply for battery charging is based on renewable sources of energy.

The Forum is hosted by Eletrobras Furnas and co-organized by the Brazilian Electric Vehicle Association (ABVE), the Transport Engineering Programme of the COPPE Institute of the Federal University of Rio de Janeiro (UFRJ), the Global Forum on Human Settlements (GFHS), the United Nations Office for Partnerships (UNOP), the United Nations Department of Economic and Social Affairs (UN DESA) and the Foundation for Social Change.

The Forum is expected to be attended by electric vehicle suppliers, manufacturers, distributors and users, as well as by leading decision and policy makers from national and city governments, transport authorities and private sectors. Simultaneous interpretation is provided in English, Spanish, Portuguese and Chinese. The Forum offers unique opportunities for market development and new business and media contacts in emerging markets.

The technical presentations discussed at the Forum will provide background information for the debate on transport for sustainable development at the United Nations, including the High-level United Nations Conference on Sustainable Development to be held in Rio de Janeiro 20-22 June 2012.

We are looking forward to welcoming you to Rio de Janeiro.

**Flavio Decat**  
President,  
Eletrobras Furnas



**Pietro Erber**  
President  
Brazilian Electric Vehicle Association



**Professor Marcio D'Agosto**  
Coordinator,  
Transport Engineering Programme



**Lu Haifeng**  
Secretary-General,  
Global Forum on Human Settlements



**Nikhil Seth**  
Director,  
Division for Sustainable Development



United Nations DESA

**Roland Rich**  
Officer-in-Charge



United Nations Office for Partnerships

**Louise M. Guido**  
President and CEO



**Registration and Pre-Opening Morning Coffee**

**09:00-10:00**

**Opening Session**

**10:00-11:00**

**Welcome remarks by the co-organizers**

**Keynote Statement**      **Renewable energy and electric mobility:  
Complements for a sustainable transport future**

**Opening address**      Mr. Flavio Decat, President, EletroBras Furnas, Rio de Janeiro, Brazil

**Keynote Statement**      **Perspectives for enhancing sustainable transport  
at local, national and global levels**  
Ambassador Anwarul Chowdhury, Chairman,  
Global Forum on Human Settlements, and former Under-Secretary-General  
and High Representative of the United Nations, New York  
Climate change: The age of zero-emission transportation is now  
Mr. Toshiyuki Otani, Renault-Nissan Alliance Managing Director and  
Senior Vice President, Global Zero Emission Business Unit  
and Global Battery Business, Nissan Motor Co., Ltd.

Introduction to the subsequent programme of the Forum

**Session 1**

**11:00-12:00**

**Co-moderators:** Professor Marcio D'Agosto, Transport Engineering Programme,  
COPPE Institute, Federal University of Rio de Janeiro (UFRJ)  
Ms. Kathleen Abdalla, Chief, Emerging Issues Branch,  
Division for Sustainable Development, United Nations DESA, New York

**Harnessing the potentials of hybrid vehicles and electric mobility:**

Implications for transport policies

Mr. Pietro Erber, President,

Brazilian Electric Vehicle Association ABVE, Rio de Janeiro, Brazil

**Perspectives for developing the electric mobility market:**

**Trends, issues and opportunities**

Mr. John Licata, CEO and Chief Commodity Strategist,

Blue Phoenix Inc, New York, United States

**Electric cars – The views of consumers on the use and viability**

Mr. Ricardo de Carvalho, Corporate Finance Partner,

Deloitte LLP Consultants, United States / Brazil

**Automotive innovations, electric vehicles and mobility concepts  
for sustainable transport**

Mr. Henning Dornbusch, President,

BMW, Sao Paulo, Brazil

Questions and answers

## Session 2

12:00-13:00

**Co-moderators:** Mr. Wang Dehui, Consultant to Environmental Impact Assessment Centre, Ministry of Environmental Protection, China;  
Former Deputy Director-General of Nature Conservation Department, SEPA  
Mr. Ralph Wahnschafft, Division for Sustainable Development, United Nations, DESA, New York

### **Making electric mobility affordable: Enhancing sustainable transport in India**

Mr. Anupam Bhattacharjee, Electric Mobility Expert,  
Mahindra & Mahindra (Reva Electric Cars), Mumbai, India

### **Urban transportation by electric buses using ultra-capacitors**

Mr. AntonioVincente Albuquerque de Souza e Silva, Tecnical Director, ABVE

### **Benefits of electric vehicles in urban public transport**

#### **– Profiles of BYD demonstration projects**

Mr. Fred Ni, Vice President, BYD America, Inc, Los Angeles and Washington, D.C.

### **Planning the use of electric traction for urban transport:**

#### **The experience of COPPE Institute**

Professor Marcio D'Agosto, Coordinator, Transport Engineering Program,  
And Mr. Bruno Borba, Researcher,  
COPPE Institute, Federal University of Rio de Janeiro (UFRJ), Brazil

Questions and answers

## Lunch break

13:00-14:00

## Viewing of on-site Electric Vehicle Exhibits

## Session 3

14:00-15:00

**Co-moderators:** Mr. Alexander Veitch, Head,  
Sustainable Development Unit, International Union of Railways (UIC)  
Mr. Taj Hamad, Board member of GFHS, Secretary General WANGO, and  
Chairman of World Summit of Muslim Leaders, London, Jakarta

### **Electric vehicles in urban delivery fleets: DHL GoGreen Initiatives in New York, USA**

Mr. Marc Fichtner, Director of Strategic Projects,  
GoGreen, DHL, Deutsche Post, New York

### **The future of electric mobility – Integrated mobility solutions**

Mr. Frank Wolter, Senior Project Manager, InnoZ, Berlin, Germany

### **Experience of the Itaipu Binational in research and development of electric vehicles**

Mr. Celso Novais,  
CTO Sustainable Electric Mobility, Itaipu Binational, Bazil / Paraguay

### **Innovations to support sustainable mobility through the modernization of power grid and electric vehicles**

Mr. Peter Torrellas, Chief Technical Advisor,  
Siemens, Infrastructure and Cities Mobility and Logistics Division, New York, United States

Questions and answers

## Coffee break

### Session 4

15:15-16:15

**Co-moderators:** Ms. Olga Simbalista, Director of Planning, Management and Business Interests, Furnas, Rio de Janeiro, Brazil  
Senior representative of Electricité de France, Paris

#### **Electric Bikes and trikes:**

##### **New and affordable solutions for sustainable urban mobility**

Mr. Marlos de Souza, Brazil Electric Bike, Goiania, Goias, Brazil

##### **Introducing electric mobility options at railway stations in Europe**

Mr. Jean-Pierre Loubinoux, Director General,  
International Union of Railways (UIC), Paris, France

##### **Innovative electric vehicles and new mobility concepts for a sustainable future**

Mr. Gorka Espiau Idoiaga, Head,  
International Department, Hiriko Consortium, Vitoria-Gasteiz, Spain

##### **How a smarter grid enables smarter mobility**

Ms. Tania Cosentino, President, Schneider-Electric, São Paulo, Brazil

Questions and answers

### Summary of conclusions and recommendations

16:15-16:30

**Co-Moderators:** Mr. Pietro Erber, President, Brazilian Electric Vehicle Association (ABVE)  
Mr. Ralph Wahnschafft, Division for Sustainable Development,  
United Nations, DESA, New York

### Meetings with Media Representatives & Interviews

### Reception / "Happy Hour"

16:30-17:30

**Follow-on Evening Session of GFHS (detailed programme announced separately)**

**The Co-organizers of the Forum gratefully acknowledge  
the generous and professional support of the host organization**



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Monday 18 June 2012 | Rio de Janeiro, Brazil  
Espaço Cultural Eletrobras Furnas - Rua Real Grandeza 219 - Botafogo - Rio de Janeiro, Brazil