

LOCAL RENEWABLES FREIBURG 2010

Changing fuels or changing patterns?

The role of renewables in sustainable urban mobility
Freiburg im Breisgau, Germany, 14-15 October 2010



**Final
Invitation**

www.local-renewables-conference.org/freiburg2010



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Local
Governments
for Sustainability

Local Renewables Freiburg 2010

As the move towards e-vehicles begins to gather pace, cities around Europe and the world must ask and answer a number of key urban mobility questions. The Local Renewables Freiburg 2010 Conference is the perfect time and place to examine and probe a critical sector.

In plenaries, panels and sessions, the following questions will be raised and solutions sought:

- Biofuels or e-mobility or both? What are the perspectives?
- E-mobility for urban areas and infrastructure changes - what is needed to make it happen?
- E-mobility and renewable energy for transport – adequate supply and demand?
- What role can renewables play in public transport and car-sharing?
- Changing fuels or changing patterns – how to achieve real sustainable urban mobility?

Local Renewables Conference Series

The international conference Local Renewables Freiburg 2010 is part of a series of events that began in Freiburg, Germany in June 2007 with the conference “Powerful local action for secure and sustainable energy in Europe” and was followed by “Urban policy and planning for the post-carbon age” in April 2009.

This conference series aims to:

- encourage communities to switch to renewable energy sources – thereby accelerating sustainable development world-wide;
- show trend-setting ideas and approaches in reducing energy consumption in cities and towns.

Since 2009 the series has been expanding in two directions: annual conferences held in Freiburg, Germany, and further events organised in other cities around the globe to reach out as many local actors as possible, such as in San Francisco, United States, in July 2009 and 2010, within the Intersolar North America conference.

Why Freiburg?

The City of Freiburg is well known internationally for its environmental approach and extensive use of solar energy and other renewable sources; the city is also globally recognised for its urban transport and mobility policy. Freiburg has won several awards, and is, therefore, an exemplary and qualified host.

Transport policy is an integral part of a sustainable urban development policy and contributes largely to the reduction of both energy consumption and CO₂ emissions. Over the course of twenty years, the passenger count on public transport in Freiburg has tripled because of the employment of attractive fares and modern trains. The use of the public transportation system, of bicycles and of walking in the overall traffic has increased, while the proportion of individual traffic has reduced. Seventy percent of all traffic routes in Freiburg are distances covered by environmentally friendly means – via public transport, on bicycles, or on foot. The city railway has been exclusively running on power generated from renewable sources since 2009.

“Green City Freiburg” stands as a synonym for sustainable policy which is actively maintained by all political parties and interest groups, and actively supported and lived everyday by Freiburg citizens, making the vision of a sustainable city more real every day.

Opportunities for participants

The international conference Local Renewables Freiburg 2010 will gather around 300 participants from local governments in Europe and the world, decision-makers from various levels of government, energy service providers, business representatives, as well as experts in the field. They will discuss the challenge of urban mobility and the solutions offered by renewable energy.

Opportunities for the participants include:

- **Excellent keynotes, plenaries and thematic workshops** on the role of renewables in sustainable urban mobility: get inspired by innovative ideas from experts and advanced cities using renewable energy and energy efficiency in mobility and learn about proven methods and technologies;
- **Study tours:** gain an inspiring and practical insight of opportunities and initiatives in the perfect setting of Freiburg Green City and explore the integration of local renewable energy into urban transport;
- **Networking:** meet representatives from other local governments and exchange with participants of Solar Summit 2010. An opportunity to connect, discuss and collaborate with your peers and technical experts.

Interaction with Solar Summit 2010

Mobility is also the focus of this year’s Solar Summits, making it an ideal occasion for an exchange with the Local Renewables 2010 Conference.

Both events will take place in the same venue, and all participants are warmly invited to attend the following joint activities:

- the **Freiburger Solarnacht** (see page 4) - a unique opportunity to mingle and socialise with leading representatives from the fields of science, research and industry;
- the **joint plenary** taking place on Thursday 14 October (see page 5) - renowned experts will share latest scientific findings on “Sustainable Mobility Concepts, Planning and the Role of Renewables”.

A special daily fee of 149 is offered to participants of Local Renewables Freiburg 2010 interested in attending Solar Summit 2010 on 13 October.

More information can be found on the website.



Programme

TIME	Thursday 14 October	Friday 15 October
09:00	Registration	Plenary 4 Integrated sustainable urban mobility concepts and renewable energy
11:00	Plenary 1 Conference opening	Session A2: Concept development: renewables and integrated sustainable urban mobility
13:00	Plenary 2 Renewable energy potentials in urban mobility	Session B2: Renewable energy for individual transport
15:00	Lunch	Lunch
17:00	Plenary 3 Sustainable mobility concepts, planning and the role of renewables	Plenary 5 Future perspectives and role of renewables in urban mobility: needs and expectations
19:00	Session A1: Renewable energy in mass transport	Plenary 6 Summary and outlook
	Session B1: Pilot projects for e-mobility	
	Study tours	
	Wednesday 13 October	
	Study tours	
	Networking event - Freiburger Solarnacht	

The latest version of the draft programme is available at: www.local-renewables-conference.org/freiburg2010/programme

What will you learn at Local Renewables 2010?

This exciting event will offer a unique opportunity for exchange on the (potential) role of renewable energy in sustainable urban transport and mobility. It will address the short and mid-term perspectives for e-mobility and biofuels in the framework of sustainable urban transport, mobility planning and implementation. This event will provide local governments and decision-makers with the knowledge they need to address the challenges posed in urban mobility and solutions offered by renewable energy.

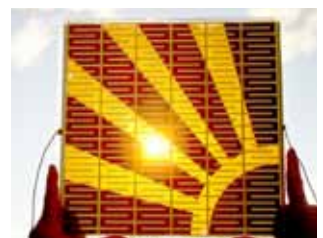
Discover how different technological solutions can become part of sustainable urban mobility strategies that focus on the reduction of mobility demand, give preference to non-motorised modes of transport and reinforce public transport. Discussions will address the potential impact on problems like emissions of greenhouse gases, noise pollution, air quality and resulting health issues, traffic congestions and the use of public space, as well as needed changes in urban planning and infrastructure.

Learn from experts and discuss with peers

We are very pleased to present an excellent line up of speakers selected to represent a wide range of cutting edge knowledge and experience related to renewable energy and urban sustainable mobility.

Confirmed speakers are experts such as Peter Dolejsi (ACEA - European Automobile Manufacturers Association), Michael Weltin (E.ON Energie AG) and Karl Otto Schallaböck (Wuppertal Institute for Climate and Environment) and representative from cities like Amsterdam, Stockholm, Barcelona, Bremen, Warsaw, La Rochelle and many more...

See the next pages for more information about speakers and programme.



Wednesday 13 October 2010

STUDY TOURS

Study tours will be organised to show interesting and innovative sustainable energy solutions in practice - successful examples of renewable energy, energy efficiency and urban transport initiatives in the Green City and Solar Region of Freiburg.

Tours are open to all conference participants. Detailed descriptions are available on the conference website: www.local-renewables.org/freiburg2010

STUDY
TOURS

T.1: Visit to Vauban District

Find out about the urban development of this highly ecological district. A former military base redeveloped in the 1990s into a new district for 5,000 inhabitants, Vauban is an internationally known model of sustainable urban planning. During this study tour you will learn more about the mobility concept, renewable energy, citizen engagement and low-, passive-, zero- and surplus energy buildings.

Organiser: Innovation Academy e.V.

T.2: Exploring future urban mobility at "Mobile", Freiburg's centre for ecomobility

Explore "Mobile", the centre of ecomobility, a trendsetting project, where ecomobility services are combined with social measures to help people reintegrate into the job market. The study tour will include a short presentation of the centre's history and future, including the innovative "MobilityPoint" urban mobility concept, a guided tour around the building, its automated bike park and car-sharing concept. You will have the chance to test various electric vehicles (from foldable e-bikes to e-scooters).

Organiser: Mobile

T.3: Freiburg Traffic Tour

On this tour you will explore the main traffic junctions in Freiburg and get further information about the traffic concept in Freiburg and the connection between town planning and traffic planning. You also have the chance to learn more about the streetcars which run with ecological electricity. On this study tour you will travel around Freiburg in one of the streetcars of the VAG, Freiburger Verkehrs AG, a city owned company for traffic planning and management.

Organiser: VAG, Freiburger Verkehrs AG

NETWORKING EVENT - FREIBURGER SOLARNACHT

Participants are invited to the networking event "Freiburger Solarnacht" (Solar Night), organised at Fraunhofer ISE in the framework of the conference series "Solar Summits Freiburg". The Solar Summit 2010 will take place this year shortly before "Local Renewables Freiburg 2010", and will focus on "Solar Mobility Battery Systems, Fuel Cells and Biofuels for Sustainable Electromobility".

This networking event will allow participants and speakers of both events to enjoy a relaxed atmosphere for conversation and interaction with each other as well as with the Fraunhofer ISE staff, representatives of the solar industry and from the Solar Region Freiburg in an informal setting. This event will include a dinner buffet, live music performances and a walking act.



19:00

Thursday 14 October 2010

8:30

REGISTRATION OPENS

9:30 – 10:30

PLENARY 1 - CONFERENCE OPENING

A warm welcome to all delegates, this opening plenary will introduce the main conference themes addressed and offer a review of the perspectives and scenarios for energy and transport. Keynote speakers will share solutions and ideas in response to a changing energy environment and address issues of strategic importance for progressive renewable energy and urban mobility policies in Germany, Europe, and internationally.

Welcome by host city and Local Renewables partner – Dieter Salomon, Lord Mayor, City of Freiburg, Germany

Introduction - Wolfgang Teubner, Executive Director, ICLEI Europe, Germany

Perspectives and role of e-mobility and renewable energy in Germany – how it is supported – Markus Becker, Advisor, Department of Environment and Transport, Federal Ministry of the Environment (BMU), Germany

Demand and supply of renewable energy in future transport scenarios: range of options – Lew Fulton, Senior Transport Energy Specialist, International Energy Agency (IEA), France

10:30 – 11:00

Break

11:00 – 12:30

PLENARY 2 – RENEWABLE ENERGY POTENTIALS IN URBAN MOBILITY

Experts share their findings on latest developments in renewable energy and mobility. They will reflect on market perspectives and the speed of introducing new car technology, and look into the infrastructure changes needed to scale up renewable energy use and e-mobility.

Urban market introduction perspectives – Christian Thiel, Joint Research Centre, Institute for Energy, European Commission, the Netherlands

E-mobility, renewables and smart grids – Ludwig Karg, Chairman, International Network for Environmental Management (INEM); Executive Director, BAUM Consult GmbH, Germany



12:30 – 14:00

Lunch

14:00 – 15:30

PLENARY 3 – SUSTAINABLE MOBILITY CONCEPTS, PLANNING AND THE ROLE OF RENEWABLES

This session will be jointly organised with the Solar Summits Freiburg 2010. It is an ideal occasion to find out more about the latest advances, current market condition and future developments in renewable energy carriers and their contribution to the field of sustainable mobility in the future.

Better place – next generation mobility – Rolf Schumann, Head of Project Development in Europe, Better Place, CEP, Europe, Business Development

The future of urban transport – Andreas Knie, Director Intermodal Services and Business Development, Deutsche Bahn Rent GmbH, Germany

15:30 – 16:00

Break

16:00 – 17:30

PARALLEL SESSIONS

A1: RENEWABLE ENERGY IN MASS TRANSPORT

Public mass transport is a key pillar for sustainable urban transport strategies. There are various options to introduce renewable energy use and energy efficiency measures in the system. City representatives will show good practice examples and discuss their approaches with the audience.

Moderator: Roman Jakic, Councillor Ljubljana, Slovenia (tbc)

- **Renewable energy – Light Rail recovers energy during braking for re-use** - Srecko Krznicar, Project Manager, Zagreb Electric Tram System, Croatia (tbc)
- **100% renewable energy for the city tram system** – VAG Freiburg, Andreas Hildebrandt, Press Officer, Freiburger Verkehrs AG, Germany

Discussion

B1: PILOT PROJECTS FOR E-MOBILITY

In many countries there is a big push for the introduction of electric vehicles through subsidised pilot projects. Cities will present current projects and how these are expected to influence their mobility and transport, as well as their future energy supply strategies. Issues like supply infrastructure, renewable energy availability and costs will feed into a lively discussion.

Moderator: Maryke van Staden, Coordinator Climate & Air Team, Coordinator of the CCP Campaign, ICLEI Europe, Germany

- **100,000 electric vehicles on London's streets** – Kulveer Rangan, Director of Transport Policy, London, UK (tbc)
- **Introducing electric vehicles and connected infrastructure in Warsaw** – Leszek Drogosz, Director, Infrastructure Department, City of Warsaw, Poland
- **Amsterdam electric scheme - 200,000 battery-driven vehicles in Amsterdam in 30 years' time** - Maarten Linnenkamp, Director, Air Quality Department, City of Amsterdam, the Netherlands

Discussion



18:00 – 20:00

STUDY TOURS

STUDY TOURS

T.4: Visit to Vauban District

Find out about the urban development of this highly ecological district. A former military base redeveloped in the 1990s into a new district for 5.000 inhabitants, Vauban is an internationally known model of sustainable urban planning. During this study tour you will learn more about the mobility concept, renewable energy, citizen engagement and low-, passive-, zero- and surplus energy buildings.

Organiser: Aiforia, Agency for Sustainability and Freiburg Futour

T.5: Visit to Rieselfeld District

This tour consists in a walk through the state's largest neighbourhood project, a model of ecological housing for 11.000 people in a modern district. All residences are built as low-energy buildings, and the use of renewable energy and district heating are part of the far-sighted energy concept. In this tour you will have the opportunity to explore the district's energy and mobility concept, low energy buildings, open spaces, greens and nature reserves.

Organiser: Aiforia, Agency for Sustainability and Freiburg Futour

T.6: Visit Freiburg's Historic City Centre

This tour will guide you through the historical and current development of Freiburg's Old Town. During a walk through the Centre you will learn about: the medieval center of Oberlinden, the refurbishment of the old town during the 1970s in Konviktstraße, the enlargement of the pedestrian area, the development of a tram network since 1901 and parking management

Organiser: Innovation Academy e.V.

Friday 15 October 2010

9:00-10:00

PLENARY 4: INTEGRATED SUSTAINABLE URBAN MOBILITY CONCEPTS AND RENEWABLE ENERGY

After a summary of highlights from previous day, a discussion of experiences will follow on the roll-out and integration of local renewables in urban transport. Its focus will be on how to accelerate the market for renewable energy and its practical implementation in European cities.

Summary of discussion highlights from previous day

New fuels – the need for urban planning and new infrastructure – Karl Otto Schallaböck, Deputy Head of Research Group Future Energy and Mobility Structures, Wuppertal Institute for Climate and Environment, Germany

Challenges and possibilities in large cities: Paris as a leading example – NN, Directorate of Roads and Transport, City of Paris, France (tbc)



10:00

Break

10:30 – 12:00

PARALLEL SESSIONS

A2: CONCEPT DEVELOPMENT: RENEWABLES AND INTEGRATED SUSTAINABLE URBAN MOBILITY

New fuels and renewable sources are important elements of a sustainable urban transport and mobility strategy, but they will have to be combined with other measures to make a holistic approach. Cities will demonstrate how they plan and integrate renewable energy and new technologies into their sustainable transport strategies. Challenging concepts will be presented leading to interesting discussions with the participants.

Moderator: Carsten Rothballer, Climate Policy Officer, ICLEI Europe, Germany

- **Carbon responsible transport** – Michael Glotz-Richter, Senior Project Manager, City of Bremen, Germany
- **Planning and using biofuels in Stockholm** – Gustaf Landhal, Head of Planning and Environment Department, Environment and Health Administration, City of Stockholm, Sweden
- **Barcelona electric car plan** – Ramon Pruneda, Project Coordinator, Strategic Factors, Barcelona City Council, Spain

Discussion

B2: RENEWABLE ENERGY FOR INDIVIDUAL TRANSPORT AND CAR-SHARING

The introduction of e-car technology is providing various challenges to users and producers. The acceleration of its introduction might lead to new mobility models and change the roles of car manufacturers into mobility service providers. Interesting and challenging options for cooperation and linkages to public transport and integrated service concepts can result from these developments. Various state of the art models for car-sharing and e-bikes will be presented and discussed.

Moderator: Marissa Walzer, Renewable Energy Consultant, Sterr-Kölln & Partner, Freiburg, Germany

- **E-cars and car sharing** - Denis Leroy, Vice President for Mobility and Transport, Urban Community La Rochelle, France (tbc)
- **Car sharing and hybrid cars** - Andreas Leo, Corporate Communications Manager, Daimler AG, Germany
- **Bicycle and renewables: a complementary choice?** Kevin Mayne, Vice President, European Cyclists' Federation (ECF), UK

Discussion

12:00 – 13:00

Lunch

13:00-14:45

PLENARY 5: FUTURE PERSPECTIVES AND ROLE OF RENEWABLES IN URBAN MOBILITY – NEEDS AND EXPECTATIONS

This plenary will consist of a riveting discussion panel which will bring together several stakeholders – car industry, local governments, energy suppliers and environmental organisations – to discuss their different views on the future of renewables in urban mobility. It will be a unique opportunity to understand diverse perspectives and get the „whole picture“ of this dynamic and multifaceted topic. It is also an occasion for exploring a joint and constructive approach to address the challenges and opportunities offered by this innovative field.

Facilitator: Wolfgang Teubner, Executive Director, ICLEI Europe, Germany

Peter Dolejsi, Mobility and Sustainable Transport Director, European Automobile Manufacturers Association (ACEA), Belgium

Michael Weltin, Strategy and Business Development, E.ON Energie AG, Germany

Chris Bowers, Consultant and Editor, European Federation for Transport and Environment, Belgium

Eicke R. Weber, Director, Fraunhofer ISE, Germany

NN, Directorate of Roads and Transport, City of Paris, France (tbc)

14:45

Break

15:00-15:30

PLENARY 6: SUMMARY AND OUTLOOK

Presentation of key findings and messages of the Local Renewables 2010 Conference, with a final summary and a future outlook on urban sustainable mobility.

Farewell to participants.



Accommodation and travel

Accommodation and travel costs are **not** included in the registration fee.

Accommodation

Our logistical partner, Insider Group AG, has pre-booked a number of rooms in Freiburg and has prepared an online booking form available under “Practical Information”. October is tourist high season in Freiburg, so make sure to book your accommodation as soon as possible.

Travel

Located at the crossroads between Germany, Switzerland and France, Freiburg is easily reachable from anywhere in Europe and the rest of the world. The use of train travel to and from Freiburg is highly recommended.

To encourage the use of public transport within the city, all the conference participants are granted a **free public transport pass** from 13 to 15 October 2010. Relevant information on how to travel to and within Freiburg is available on the “Practical Information” section of the conference website.

While making your travel arrangements, don't forget that some study tours and the networking event “Freiburger Solarnacht” will take place on Wednesday 13 October!

Further practical information are available at: www.local-renewables-conference.org/freiburg2010/practical-information



Conference

Fee and registration

Business Fee 470 Euro

Standard Fee 370 Euro

Reduced Fee 280 Euro

(For ICLEI members, CCP participants, representatives of a New Member State, an Accession or a Candidate country of the European Union or a developing country)

Student Fee (25 years and younger) 150 Euro

The conference fee covers admission to the event, public transport within the city during the conference days, participation in all sessions, including study tours, conference materials, lunches, coffee breaks, the networking event "Freiburger Solarnacht" and a carbon emissions travel offsetting payment.

Registrations after 24 September 2010 will be subject to a late fee of 50 Euro.

A special daily fee is offered to Local Renewables participants and speakers who are interested in attending Solar Summit on Wednesday 13 October (see pag 2).

Venue

Kongresszentrum Konzerthaus Freiburg

Konrad-Adenauer-Platz 1, 79098 Freiburg im Breisgau, Germany

www.konzerthaus.freiburg.de

Language

The conference language is English. Language support may be offered if there is sufficient interest and with an additional fee. For delegations bringing their own translator, the participation fee of the translator will be waived.

Secretariat

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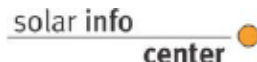
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