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 Programme

www.local-renewables-conference.org/freiburg2010
Welcome to Local Renewables Freiburg 2010

Welcome to the international conference Local Renewables, taking place from 13-15 October 2010 in the Konzerthaus Freiburg. For the third time since 2007, Freiburg will be the place where experts from around the world meet to discuss local strategies and ways out of the global climate catastrophe.

The focus this year is on new, sustainable and CO2-free means of transport and traffic systems. Our society is more dependant than ever on developing these technologies in an effective way and making them useable for everyone.

More than ever before local governments have a key role to play in the development of effective strategies to combat climate change. The City of Freiburg regards transport policy as a vital component to reach the political aim of sustainably reducing CO2 emissions by 40% before the year 2030.

To reach this goal, beyond a good political framework, we need our own political concepts for better public mobility and sustainable transportation.

The discussion about alternatives to the combustion engine now goes far beyond the standard of hybrid vehicles and includes hydrogen- and fuel cell technology, as well as new and efficient storage systems for alternative propulsion technologies.

The production and usage of renewable energies from the sun, wind, water or biomass is a significant factor here. Encouraging and developing renewable energy production is pivotal to meet the rising demand for energy in urban mobility.

I am very pleased that the Local Renewables Conference 2010 takes on this debate and offers a platform for dialogue between local decision makers and practitioners. I am convinced that the scientific congress “Solar Summits”, taking place in parallel, will lead to a productive dialogue and synergies.

I would like to particularly thank all those that have made this conference possible. The speakers, the sponsors from politics, business and other organisations and our partners, the European Secretariat of ICLEI – Local Governments for Sustainability, without whose experience, motivation and international network this conference would not have been possible.

On behalf of the Host City of Freiburg I wish all participants an excellent conference with stimulating conversations, interesting experiences and a pleasant stay in Freiburg!

Dr. Dieter Salomon
Lord Mayor of Freiburg im Breisgau

ICLEI – Local Governments for Sustainability

Cities can only become sustainable if they drastically reduce their resource consumption and climate impacts. ICLEI, the international association of active local governments, supports its members and their partners in becoming pioneers for energy efficiency, sustainable resource management, urban mobility, resilience and good governance. ICLEI provides information, motivation and support to many local governments around the world on climate and energy issues with, e.g. its Cities for Climate Protection Campaign and Local Renewables Initiative. For more information about ICLEI and its different projects and activities on sustainability, please visit: www.iclei-europe.org

Freiburg Green City

The City of Freiburg is well known internationally for its environmental approach and extensive use of solar energy and other renewable sources. The city has also globally recognised as a result of its urban transport and mobility policy. Freiburg has won several awards, and is, therefore, an exemplary and qualified host. Colleagues from city administration, planning, science, and transport companies are available for on-site learning. The Solar Region Freiburg can share experiences gained over many years and showcase a multitude of effective technical, organisational and socio-economic solutions related to sustainable energy management and urban transport solutions.
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.

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

These are some of the questions that will be tackled during the conference. Together with other decision-makers from various levels of government, energy service providers, business representatives and experts in the field, you will discuss the challenges of urban mobility and the solutions offered by renewable energy.

Take advantage of all the opportunities offered!

• 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.
• 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 by attending the study tours on Wednesday 13 and Thursday 14 October (more info on page 4 and 6).
• Network with representatives from other local governments and meet the participants of Solar Summit 2010, using this platform to exchange experiences and establish collaborations with your peers and technical experts.

The Host City of 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 20 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, bicycles and the number of people walking 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 bicycle, 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 policies and is actively maintained by all political parties and interest groups. This concept is also actively supported and lived everyday by Freiburg citizens, making the vision of a sustainable city a reality every day.
Programme of the conference

Wednesday 13 October 2010

REGISTRATION - Registration desk on the second floor of the Konzerthaus

STUDY TOURS - Meeting point in front of the Konzerthaus (Concert Hall)

All participants are invited to take part in the study tours organised to showcase 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.

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. You will also 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

Busses will pick up participants at the Konzerthaus to bring them to the NETWORKING EVENT - FRIEBURGER SOLARNACHT (19:00)

Organised at Fraunhofer ISE, in the framework of the conference series “Solar Summits Freiburg”, 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. It will include a dinner buffet, live music performances and a walking act.
Thursday 14 October 2010

REGISTRATION OPENS • Registration desk on the second floor of the Konzerthaus

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 – 13:00

PLENARY 2 • RENEWABLE ENERGY POTENTIAL IN URBAN MOBILITY

Experts share their findings on the 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. Speakers will have the opportunity to enter into a lively moderated discussion before closing the session with a wrap-up by the chair.

Facilitator: Nuno Quental, EcoMobility Coordinator, ICLEI World Secretariat, Germany

The future of mobility - Scenario for the year 2030 – Irene Feige, Project Manager, Institute for Mobility Research (Ifmo), Germany

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

Use of biofuels in urban mobility – Nils-Olof Nylund, Chief Research Scientist, Vtt processes, Finland

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

13:00 – 14:30

Lunch

14:30 – 16:00

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

This session will be jointly organised with the Solar Summit 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

Speakers will be joined on stage by several experts, for a panel discussion comparing various clean technologies, including fuel cells, battery-electric vehicles, biogenic fuels, and mobility concepts, and how these can be best applied by local governments.

Facilitator: Eicke R. Weber, Director, Fraunhofer ISE, Germany

Wolfgang Seibold, Partner, Earlybird Venture Capital, Munich, Germany

Wolfgang Teubner, Executive Director, ICLEI Europe, Germany
A1: RENEWABLE ENERGY IN MASS TRANSPORT

Mass public 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.

Facilitator: Melanie Kloth, Project Manager, Polis - European Cities and Regions Networking for Innovative Transport Solutions, Belgium

- 100% renewable energy for the city tram system – VAG Freiburg – Andreas Hildebrandt, Press Officer, Freiburger Verkehrs AG, Germany
- Electric light rail and bus grid in Jerusalem – Nimrod Levy, Air Quality Coordinator, City of Jerusalem, Israel
- Energy storage on board of rail vehicles - Michael Fröhlich, Engineer, Bombardier, Mannheim, Germany

Discussion

EN Room 9

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.

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

- Introducing electric vehicles and connected infrastructure in Warsaw – Leszek Drogoz, 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
- Satellite services for sustainable energy in electric vehicles and transport - Teodora Secara, Project Coordinator, EURISY

Discussion

EN, FR Runder Saal

STUDY TOURS - Meeting point in front of the Konzerthaus

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 of 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 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

PLENARY 4: INTEGRATED SUSTAINABLE URBAN MOBILITY CONCEPTS AND RENEWABLE ENERGY

After a summary of highlights from the 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.

Facilitator: Christof Timpe, Head of Energy and Climate Protection Department, Öko-Institut, Germany

Summary of discussion highlights from previous day - Maryke van Staden, Coordinator Climate & Air Team, Coordinator of the CCP Campaign, ICLEI Europe, Germany

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

Development of charging infrastructure for electric vehicles in urban areas – Michael Weltin, Strategy and Business Development, E-Mobility@E.ON, Germany

Runder Saal

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 ensure a holistic approach is taken. 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.

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

- Planning and using biofuels in Stockholm – Gustaf Landahl, 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
- Carbon responsible transport – Michael Glotz-Richter, Senior Project Manager, City of Bremen, Germany

Discussion

EN Room 9

A2: CONCEPT DEVELOPMENT: RENEWABLES AND INTEGRATED SUSTAINABLE URBAN MOBILITY

EN Room 9

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 may lead to new mobility models and change the role 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.

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

- Electric car-sharing – Matthieu Graindorge, Responsible for European Projects, Urban Community La Rochelle, France (tbc)
- Bicycle and renewables: a complementary choice? – Kevin Mayne, Vice President, European Cyclists’ Federation (ECF), United Kingdom

Discussion

EN, FR Runder Saal
PLENARY 5: FUTURE PERSPECTIVES AND THE ROLE OF RENEWABLES IN URBAN MOBILITY – NEEDS AND EXPECTATIONS

This plenary will be made up of a riveting discussion panel, which will bring together several stakeholders – the 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 “full picture” of this dynamic and multifaceted topic. It is also an occasion for exploring a joint and constructive approach to address the challenges posed 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-Mobility@E.ON, Germany
Chris Bowers, Consultant and Editor, European Federation for Transport and Environment, Belgium
Eicke R. Weber, Director, Fraunhofer ISE, Germany
Michael Glotz-Richter, Senior Project Manager, City of Bremen, Germany
Gustaf Landahl, Head of Planning and Environment Department, Environment and Health Administration, City of Stockholm, Sweden

Coffee will be served in the Runder Saal between 14:45-15:00

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.

Main messages and reflections of Local Renewables 2010 conference - Rian van Staden, Principal and Senior Consultant, Intelligent Renewable Energy, Freiburg, Germany
Farewell to participants.
Seit über zwei Jahren beziehen alle Privatkunden von badenova absolut atomstromfreien Strom. Der heißt regiostrom basis. Und wer’s noch grüner will, nimmt unseren Ökostrom regiostrom aktiv.

badenova.de/energiewende
Practical information

Public transport
Please note that the City of Freiburg generously offers every participant a three-day ticket to use the local transit system. You can use this ticket to go to the Conference or to move around Freiburg. The back of the badge that you will receive upon registration will serve as your ticket and will be valid from 13 - 15 October included. For any other day, the normal fares range from 2.10 € for a single-ride ticket and 5.30 € for a 24 hour ticket.

How to reach the venue
The venue within walking distance of the main train and bus station (located just two minutes across the road) and ca. 15 minutes from the city centre, where some hotels are located. If you come by tram, get off at the stop Stadttheater (if you come from the city centre) or at the stop Hauptbahnhof, if you come from the other direction. From both tram stops, you will be able to see the venue, only few metres away.

Telephone code
Country code Germany: +49
Freiburg city code: 0761 (leave the “o” out when using the country code. E.g. 0049761...)

Shopping, post and bank hours
Business hours are from 9.00 to 18.00. Most department stores are open from 9.00 to 19.00 or 20.00 without breaks, Monday through Friday. On Saturday, most stores close earlier (16:00 or 18:00) except those in the city centre. The Central Post Office, a few metres from the venue, is open from 9.00 to 18.00 Monday to Friday, and on Saturday from 9.00 to 14.00. Banks are open from 8.00h to 18.00h from Monday to Friday.

ATM machines
ATM machines are located throughout the city offering 24-hour service. When leaving the conference venue, an ATM machine is located just around the corner, on the right side of the Konzerthaus, on Bertholdstraße. Credit cards are widely accepted in shops throughout Freiburg.

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Sparkasse Freiburg-Nördlicher Breisgau
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www.sparkasse-freiburg.de
Conference services

Registration and information desk:
The registration desk will be set-up on the second floor of the Konzerthaus to welcome and register participants. It will also serve as Info Point.

Te registration desk’s opening time:
Wednesday 13 October: from 14.00 to 18.30
Thursday 14 October: from 8.30 to 18.00
Friday 15 October: from 8.30 to 16.00

Internet access
Wireless internet access is available in all rooms of the conference venue. A login and password will be given upon request at the registration desk.

Conference languages
English will be the main conference language. French translation will be provided in all plenaries and in the parallel sessions B1 and B2.

Shuttle bus
On the evening of Wednesday 13 October, a shuttle bus will wait in front of the conference venue (meeting point at 18:30 in front of the Konzerthaus) to drive participants to the networking event “Freiburger Solarnacht” organised at the Fraunhofer ISE (Heidenhofstraße 2, Freiburg).
The bus will bring participants back to the venue after the networking dinner. Participants will receive a special bracelet upon registration that will guarantee free access to the Solarnacht.

Exhibition
On the first floor of the Konzerthaus, an exhibition area shared with the Solar Summit is accessible to all participants. You are also welcome to bring and display a moderate amount of information material from your city or organisation. Please contact the conference team for more information regarding this.

A green conference
The organisation team of the Local Renewables Freiburg 2010 conference has actively worked on minimising the negative local and global impacts produced by this event, both during the preparation and the implementation of the event.

Examples of conference greening include the use of recycled and certified materials, the carbon emission offsetting payment included in the participants fee, the local transport ticket provided to the participants, and the use of local and regional products for the catering.

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Conference secretariat

ICLEI Europe Event Team
Leopoldring 3
79098 Freiburg im Breisgau, Germany
Tel: +49-761/368 9220
Fax: +49-761/368 9229
E-mail: lr2010@iclei.org

Venue

Kongresszentrum Konzerthaus Freiburg
Konrad-Adenauer-Platz 1
79098 Freiburg im Breisgau
Germany
www.konzerthaus.freiburg.de

Conference secretariat at the venue
Konzerthaus Freiburg, second floor
You can reach the conference team any time at +49 (0)171-8 34 78 07

The registration desk, the conference secretariat and all the sessions of the Local Renewables Freiburg 2010 conference will take place on the second floor of the Konzerthaus. The Solar Summit and the exhibition are located on the first floor.

Organisers

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Local Governments for Sustainability

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