

LOCAL RENEWABLES CONFERENCE 2014

Regional development through energy transition

Practical guidance on efficiently utilising
renewable energy resources

22-24 October 2014 - Freiburg and Lörrach



An I.C.L.E.I Initiative

CONFERENCE PROGRAMME

Freiburg 
IM BREISGAU

 | Lörrach

I.C.L.E.I
Local
Governments
for Sustainability

WELCOME TO **Local Renewables Freiburg 2014**

City of Freiburg

Welcome to the 6th international Local Renewable Conference in Freiburg. I am proud that this conference paves the way for practical solutions on the Energiewende, not only in cities but worldwide. The study tours and workshops will showcase what is possible today: eco quarters, sustainable mobility, solar cooling systems, waste-to-energy sites, and more. The models for financing renewable energy illustrate that aiming for climate neutral cities is economically sound, and essential for future generations.

Cities are important agents for accelerating progress in stopping climate change. UN Secretary General Ban Ki-Moon said during the Rio+20 Conference in 2012: "The road to sustainability runs through the world's towns and cities. By building sustainable towns and cities, you will build global sustainability."

Thanks to the support of the organisers, speakers, partners and sponsors, interested participants will be able to discuss local climate protection measures.

On behalf of the City of Freiburg I wish you fruitful discussions on the potential of renewable energy in your cities and regions and a nice stay in Freiburg.

Dr. Dieter Salomon

Mayor of the City of Freiburg im Breisgau



City of Lörrach

The City of Lörrach has the honour of being joint organiser of the 6th Local Renewables Conference, together with ICLEI – Local Governments for Sustainability and the City of Freiburg. We are proud to be part of an event which is dedicated to values and visions which are also essential elements of our city.

A network of local companies, interested citizens and the united vision of those in local politics helped us to progress towards a more sustainable use of energy. Today, Lörrach is known beyond the region for its role in sustainable city development, particularly for its energy policy. We are looking forward to sharing our experiences with you at the conference, as well as learning from other cities' approaches.

Jörg Lutz

Mayor of the City of Lörrach



ICLEI – Local Governments for Sustainability

ICLEI – Local Governments for Sustainability is very pleased to cooperate with the Green City Freiburg and the City of Lörrach, two strong partners that are internationally recognized for their innovative achievements in energy policy, climate protection and local sustainability. This cooperation in the Upper Rhine Region also reflects the need for a regional perspective on renewable energy, which is key for securing a high supply of energy from renewable sources and creating economic value for the entire region. The combination of energy transition, decentralized energy production and a more resilient local economy is a core element of ICLEI's Green Climate Cities Program, which supports cities in achieving ambitious climate change goals, both in mitigation and adaptation, and thereby underpins the critical role of cities and regions in making meaningful progress towards a global climate protection regime.

Wolfgang Teubner

Regional Director Europe
ICLEI – Local Governments for Sustainability



Local Renewables Conference 2014

The ongoing economic crisis, growing energy instability and resource scarcity call for a shift to sustainable economies. The Local Renewables Conference 2014 will put particular emphasis on the key role of local and regional governments and the importance of renewable energy and improvement of energy efficiency in this shift. Cities are increasingly looking into making best use of the available resources within their region and moving beyond mere consumption to replenishment and even production of energy resources. In the next three days, you will have the opportunity to:

- exchange on how cities and regions can optimise collaboration with local stakeholders such as business, civil society and academia;
- evaluate the potential of technological innovations and integration including solar cooling, waste-to-energy and water-food-energy nexus solutions, and
- analyse cost-benefits and financing options (public and private sources) for local action, and ways of developing meaningful financial partnerships.

ORGANISERS

City of Freiburg & Green City Freiburg

The City of Freiburg is internationally renowned for its innovative and integrated approach to sustainable energy management and extensive use of renewable energy sources. As a result of its achievements, Freiburg was honoured as **“Germany’s Most Sustainable Major City”** in 2012, making the city an exemplary and qualified host. Freiburg is synonymous with sustainable development and its ecologically progressive policies continue to make a positive impact on its citizens’ quality of life.

Freiburg has been recognised for its commitments to sustainable energy and development through a number of national and international awards. In 2005, Freiburg won the **German Solar Championship** for the third time in a row in the category of cities larger than 100.000 inhabitants. The Academy of Urbanism awarded the City of Freiburg with the **European City of the Year Award** in 2009, citing the city’s continuing successes in local sustainable development. In 2010, the Deutsche Umwelthilfe awarded Freiburg as the **Capital City for Climate Protection**. The State of Baden-Württemberg awarded Freiburg with the **Cycling Friendly City Award** in 2011 and recognised the city again in 2013 with an award for being a climate neutral community. Freiburg was the only German city to be named by “Sustainia 100” as a model city for sustainability, at a side event held in the Rio+20 Conference in 2012.

City of Lörrach

Over the last decade, Lörrach has committed to sustainable development with a focus on energy savings and renewable energies. Lörrach has a long history of awards. Lörrach was the first German city to be awarded the Swiss label **Energiestadt** in 2002 and the first municipality in the German State of Baden-Württemberg to win the **European Energy Award** in 2007. By implementing several energy-savings policies, Lörrach earned the **Gold European Energy Award** in 2010. More recently, Lörrach was awarded second place among medium-sized cities at the prestigious **German Sustainability Award 2013**.

ICLEI – Local Governments for Sustainability

ICLEI is an international association of over 1100 local governments committed to sustainable development. ICLEI provides technical consulting, training and information services to build capacity, share knowledge and support the implementation of sustainable development at the local level. At the Rio+20 Conference in 2012, ICLEI launched the **GreenClimateCities (GCC) Program**; a pathway to urban low-carbon development. The GCC Program builds on more than 20 years’ expertise and ICLEI’s Cities for Climate Protection (CCP) Campaign – the first and largest global campaign of Local Governments addressing climate change.

Local Renewables Conference Series

The Local Renewables Conference 2014 is the 6th conference of a series that since 2007 has been the international hub for advancing the agenda of renewable energy among policy-makers from various levels of government, energy experts, energy services providers, researchers and business representatives.

Through the years, the Local Renewables Conference Series has analysed different topics linked to renewable energy such as **local action for secure and sustainable energy in Europe** (2007), **urban policy and public planning** (2009), **sustainable mobility** (2010), **green buildings** (2011) and **smart grids and smart solutions** (2012). Innovative approaches by cities and regions integrating sustainability in their energy policies and strategies have always been in the focus of the conferences.

For the first time this year’s edition counts on the support of two cities. In addition to the long standing host, the City of Freiburg, the City of Lörrach has partnered with ICLEI – Local Governments for Sustainability to organise the 6th Local Renewables Conference.



Local Renewables Conference 2014 PROGRAMME OVERVIEW

Wednesday 22 October	Thursday 23 October	Friday 24 October
12:00 – 13:30 Registration & Lunch	9:00 – 9:30 Registration	9:00 – 9:30 Registration
13:30 – 14:30 Plenary 1	9:30 – 11:00 Plenary 2	9:30 – 11:00 Plenary 3
14:30 – 18:00 Study Tours in Lörrach	11:00 – 11:30 Coffee Break	11:00 – 11:30 Coffee Break
18:30 Welcome Reception in Lörrach	11:30 – 13:00 Workshops A1 & B1	11:30 – 12:30 Panel
	13:00 – 14:30 Lunch	12:30 – 13:00 Summary & Outlook
	14:30 – 16:00 Workshops A2 & B2	13:00 – 14:30 Farewell Lunch
	16:00 – 18:00 Study Tours in Freiburg	
	19:00 Evening Reception in Freiburg	

Hosting a sustainable conference

The objective of a sustainable event is to minimise its negative environmental and social impact, while increasing the awareness of how important sustainability is among participants and other stakeholders, and to ensure that a positive greening legacy remains.

The organising team of the Local Renewables Conference 2014 has applied sustainability criteria both during its preparation and implementation. The actions taken focused on reducing the consumption of resources and greenhouse gas (GHG) emissions.

Some measures taken include: reducing the amount of print products before and at the event in favour of electronic communication; using mostly 100 % recycled and totally chlorine free (TCF) paper for printed material; implementing waste reduction and recycling measures at the venue; encouraging the use of public transport; preferring regional and organic products for catering, and selecting a centrally located venue that is easily accessible.



Image: ICLEI

12:00 – 13:30 Registration & Lunch

13:30 – 14:30 Plenary 1 (NEUES RATHAUS, 1ST FLOOR, HISTORISCHER RATSSAAL)

Setting the scene: local climate and energy action supporting regional economic development

From a local and regional perspective, energy production based on fossil fuels or nuclear energy is in most cases dependant on imported resources and large energy production facilities (power plants), as well as extensive distribution infrastructure. In addition to negative impacts from greenhouse gas emissions, air pollution and nuclear waste, this set up leads to the drain of financial and economic resources from the city or region.

The use of renewable sources, like sunshine, wind and biomass have led to a much more decentralised structure of energy production, bringing about new options for linking production and consumption and creating local and regional value chains. Today, renewable energy is central to many concepts for a more sustainable and resilient local and regional economy, involving citizens not only as consumers but also as investors and producers, thereby keeping and sharing the economic profits within the region.

At present there is an increasing number of initiatives providing knowledge, experience and practical support for local and regional governments engaging in local climate and energy action linked with renewable energy and regional economic development strategies. This session will give prominence to a selection of territorial climate and energy actions from around the globe.

Welcome: **Prof. Dr. Martin Haag** – Deputy Mayor for Regional Planning and Urban Development, City of Freiburg (Germany)

Tae-Young Yeom – Mayor, City of Suwon (Republic of Korea)

Prof. Dr. Nevila Xhindi – Deputy Mayor, City of Tirana (Albania) & Network Energy Efficient Cities (NEEC)

Ted Markus Petith – Advisor for Sustainability – Planning, City of Madison (USA)

Facilitator: Holger Robrecht – Deputy Regional Director Europe, ICLEI Europe

14:30 – 18:00 Study Tours in Lörrach (SEE PAGE 9 FOR DETAILS)

The bus transfer of participants to Lörrach will be organised by the conference team.

18:30 – 20:00 Welcome Reception in Lörrach

The City of Lörrach invites all participants to a Welcome Reception at the **Werkraum Schöpflin (Franz-Ehret-Straße 7, 79541 Lörrach-Brombach)**. Enjoy Lörrach over a glass of wine and canapés.

The bus transfer of participants to Freiburg will be organised by the conference team.



Image: City of Malmö



THURSDAY 23 October 2014

9:00 – 9:30 Registration

9:30 – 11:00 Plenary 2 (HISTORISCHES KAUFHAUS, 1ST FLOOR, KAISERSALL)

Changes in the political, legal and economic framework for the transition to energy productive cities and regions

The transition of the energy system from fossil fuels and nuclear power to renewable energy provides new economic perspectives for local and regional governments, and creates opportunities for a range of new players in the field. However, as with any structural change on a large scale, there are challenges in addition to opportunities, and not all actors in the market might benefit in the same way.

The increase of decentralised energy production based on renewable sources creates an enormous challenge for the existing energy distribution and management infrastructure, since the existing grid was developed for centralised production and distribution. The development and installation of necessary storage capacity as well as the technical adaptation of the grid will require considerable investment, and it is not yet clear how these investments, costs and benefits will be shared between different levels and actors in order to achieve a fast and successful transition to a new energy system.

This session explores the surrounding political, legal and economic framework for the transition to sustainable energy communities and regions. High-level expert speakers will share their views on the latest developments, and identify the future direction and potential solutions needed to support local as well as regional governments in their transition to more productive cities with low carbon economies.

Dr. Klaus von Zahn – Director of the Environment Department, City of Freiburg (Germany)

Alexander Kainer – Principal, Roland Berger Strategy Consultants GmbH

Øyvind Vessia – Renewables and CCS, Directorate – General for Energy, European Commission

Prof. Dr. Peter Heck – Managing Director, Trier University of Applied Sciences (Germany)

Marijan Maras – Head of Office for Energy, Environment and Sustainable Development, City of Zagreb (Croatia)

Dubravka Bosnjak – Project Manager, GIZ Open Regional Fund for SEE Energy Efficiency

Facilitator: Wolfgang Teubner – Regional Director Europe, ICLEI Europe

11:00 – 11:30 Coffee Break

11:30 – 13:00 Workshops A1 & B1

Workshop A1 – Sustainable Energy Action Plan: from planning to sound implementation (HISTORISCHES KAUFHAUS, 1ST FLOOR, KAMINSAAL)

From climate commitments to local and regional energy action planning to sound implementation and cooperation - this session will provide perspectives from local and regional insiders that have successfully steered the energy transition in their country. Among other questions, the session will ask: how did they go about selecting appropriate short and long-term targets that are realistic yet ambitious? What interplay is needed to simultaneously push urban and rural processes towards a 100% renewable energy supply? Which stakeholder alliances have proven to be effective for self-directed implementation? What organisational headaches come to mind, and how can institutional barriers be overcome to realise comprehensive territorial action plans?

Claude Lenglet – Manager, The third industrial revolution in Nord-Pas-de-Calais (France)

Milan Obradovic – Municipal Commissioner Housing and Infrastructure, City of Malmö (Sweden)

Stefanie Lorenz – Climate Manager, Environment and Climate Protection, City of Lörrach (Germany)

Facilitator: Carsten Rothballer – Officer, Sustainable Resources, Climate and Resilience, ICLEI Europe

THURSDAY 23 October 2014

11:30 – 13:00 Workshops A1 & B1

Workshop B1 – Tapping renewable energy sources and technologies with a regional approach: bio-wind and solar energy (HISTORISCHES KAUFHAUS, 1ST FLOOR, ROKOKOSAAL)

Selecting and implementing an appropriate mix of renewable energy sources (RES) is instrumental to supporting sustainable energy transition at the local level. This requires, from one side, an appropriate understanding of the local potential for RES and of the technologies available, and from the other, policies and legislative frameworks that facilitate their roll-out. This session will explore how local and regional governments and their communities are engaging and leading on this process across Europe, while creating opportunities for local and regional development. The session will share both policy and implementation best practices, with a focus on bio and solar energy. It will discuss challenges encountered, and provide inspiration for practical solutions.

Rafael Ayuste Cupido – Director, Department of Renewable Energies, EREN (Spain)

Catarina Freitas – Director, Department of Environment, Municipality of Almada (Portugal)

Lisa Enarsson – Project Manager, Environment and Health Administration, City of Stockholm (Sweden)

Frank van Oorschot – Member, Employers Group, European Economic and Social Committee

Facilitator: Giorgia Rambelli – Officer, Sustainable Resources, Climate and Resilience, ICLEI Europe

13:00 – 14:30 Lunch

14:30 – 16:00 Workshops A2 & B2

Workshop A2 – Smart public procurement – using the purchasing power to drive green economies (HISTORISCHES KAUFHAUS, 1ST FLOOR, KAMINSAAL)

Save money, reduce environmental impacts and achieve social goals - sustainable public procurement has much to offer local authorities. This workshop will focus on how sustainable procurement can pave the way to smart, energy efficient and renewably powered cities and regions. Good practice cases will showcase ways in which public authorities across Europe are using their purchasing power to drive more sustainable economies, with a particular emphasis on the approach and organisational set-up employed.

Johannes Naimer – Project Manager, Federal Procurement Agency Austria

Leendert van Geldermalsen – Rijkswaterstaat, Ministry of Infrastructure and the Environment (The Netherlands)

Facilitator: Philipp Tepper – Coordinator, Sustainable Economy and Procurement, ICLEI Europe

Workshop B2 – Tapping renewable energy sources and technologies with a regional approach: waste-to-energy solutions and district heating (1ST FLOOR, ROKOKOSAAL)

Continuing with RES and technical solutions, experts will share innovative approaches used when dealing with urban waste-to-energy solutions combined with a district heating system.

Christian Neumann – Head of Project Development, Energy Agency Region Freiburg (Germany)

Michael King – Co-Convenor, UK District Energy Vanguard Network

Sophie Jongeneel – Researcher Climate, Air & Sustainability, TNO Innovation for Life (The Netherlands)

Clemens Felsmann – Professor, Technical University of Dresden (Germany)

Facilitator: Siegfried Zöllner – Coordinator, Sustainable Resources, Climate and Resilience, ICLEI Europe



This workshop is offered by the Rescue Project in cooperation with the Local Renewables Conference 2014



THURSDAY 23 October 2014

16:00 – 18:00 Study Tours in Freiburg (SEE PAGE 9 FOR DETAILS)

19:00 – 20:30 Evening Reception in Freiburg

An Evening Reception will be offered to all participants at the Neue Rathaus (Historischer Ratssaal) by the City of Freiburg.

Welcome by:

Prof. Dr. Martin Haag – Deputy Mayor for Regional Planning and Urban Development, City of Freiburg (Germany)

FRIDAY 24 October 2014

9:30 – 11:00 Plenary 3 (HISTORISCHES KAUFHAUS, 1ST FLOOR, KAISERSSAL)

Intelligent financing mechanisms and models for renewable energy

In times of financial constraints for public budgets, it is crucial to identify viable financing and investment models that correspond to local and regional community development needs and promote sustainable economies. In order to generate local and regional value chains, investments and revenues need to be shared by local actors. Ideally, investment opportunities will be made available to a wide range of citizens, enabling them to turn from consumers into investors and producers as well.

Experts from regions, organisations and institutions will present financing schemes in support of a regional low-carbon economy. They will also address current framework conditions and discuss if there is a need to further improve these conditions to better support local value chains.

Célia Blauel – Deputy Mayor in charge of Environmental Sustainability and Water, City of Paris (France)

Matthias Nabholz – Head, Office for Environment and Energy, City of Basel (Switzerland)

Prof. Dr. Tanay Sidki Uyar – Head, Energy Section, University of Marmara (Turkey)

Ion Dogenau – Executive Director, Local Energy Agency Bucharest (Romania)

Facilitator: Andre Langwost – Co-Editor, DDmagazine (France)

11:00 – 11:30 Coffee Break

11:30 – 12:30 Panel discussion (HISTORISCHES KAUFHAUS, 1ST FLOOR, KAISERSSAL)

Cooperation in financing solutions for energy productive cities and regions

Following the presentations of Plenary 3, this panel will further explore what kind of schemes and mechanisms are available in regards to various levels, from local to international, and how they can be best used to develop local and regional value chains through the transition to renewable energy. The potential combination and blending of various mechanisms and schemes to achieve ambitious goals will be a key aspect of the discussion.

Matthias Nabholz – Head, Office for Environment and Energy, City of Basel (Switzerland)

Eugenio Leanza – Head of Division of JESSICA and Investment Funds, European Investment Bank

Tamas Solymosi – Mobilising Finance, Covenant of Mayors Office

Dirk Knapen – Facilitator RESCoop (Renewable Energy Sources COOPeratives)

Facilitator: Wolfgang Teubner – Regional Director Europe, ICLEI Europe

FRIDAY 24 October 2014

12:30 – 13:00 Summary and Outlook (HISTORISCHES KAUFHAUS, 1ST FLOOR, KAISERSSAL)

13:00 – 14:30 Farewell Lunch

STUDY TOURS in Lörrach (Wednesday 22 October 2014, 14:30 – 18:00)

Tour 1: A view of Lörrach's local energy production and distribution from the cycle path

Participants will have the opportunity to take a bike tour of the different renewable energy plants located throughout Lörrach (e.g. thin-film solar cells, small hydroelectric plant, biomass and district heating). This bike tour will also show participants how the City of Lörrach and its partners have innovatively replaced traditional car sharing vehicles with e-cars. These are available at the intermodal transport hub at the city's main train station.



Image: Stephan Köhler

Tour 2: Good practices of regional cooperation to take advantage of energy transition

Learn how to boost investments in regional energy by using local sources instead of importing fossil fuel from abroad. Participants will visit the geothermal power plant in Lörrach's Swiss neighbour municipality, Riehen, which delivers district heating across the border to Lörrach. They will also be able to see how the public-private-partnership between the City of Lörrach, a regional car sharing company and the regional energy supplier Naturenergie is helping to develop e-mobility. The last stop of this study tour will be the factory of Consolar, a local company which produces innovative solar thermal systems and heat pumps.

The bus transfer of participants to Lörrach will be organised by the conference team.

STUDY TOURS in Freiburg (Thursday 23 October 2014, 16:00– 18:00)

Tour 1: The Sustainable Model District of Vauban

Find out about the urban development of this highly ecological district. A former military base that was redeveloped into a new district for 5,000 inhabitants in the 1990's, Vauban is an internationally known model of sustainable urban planning. During this study tour participants will learn more about renewable energy, citizen engagement and energy-efficient building design.



Image: rsester / fotolia

Tour 2: Green Therm Cool Center

The Chamber of Trade in Freiburg and its partners from industry and the region will introduce the Green Therm Cool Center and its modern solar cooling techniques to all participants. The center comprises five solar cooling systems as well as fifteen cooling distribution systems, using an innovative sustainable refrigeration technique.

Transportation to the different locations will be organised by the conference team.

Get Together LOUNGE

The Local Renewables Conference 2014 offers participants the **Get Together Lounge** at the Historisches Kaufhaus, a space where organisations, projects and businesses present their services and expertise. Join us at the lounge; a perfect spot to meet your peers and make new contacts.



Image: Stephan Köhler

Useful Information CONFERENCE VENUES



Image: FWTM/ Raach

Wednesday 22 October 2014

NEUES RATHAUS

Address

Rathausplatz 2-4
79098 Freiburg im Breisgau
Germany

Conference Secretariat: 1st floor

Registration & Lunch: 12:00 – 13:00 – 1st floor



Image: FWTM/ Raach

Thursday 23 & Friday 24 October 2014

HISTORISCHES KAUFHAUS

Address

Münsterplatz 24
79098 Freiburg im Breisgau
Germany

Conference Secretariat: 1st floor

Registration: 09:00 – 09:30 – 1st floor

STAY TUNED!

Don't miss any news during the conference. For latest programme updates, presentations and pictures visit our website:

www.local-renewables-conference.org



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WiFi access will be available for the Local Renewables Conference participants (login details will be provided at the conference).

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Stephan Köhler (ICLEI)

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