

ENERGY SOLUTIONS FOR SMART CITIES AND COMMUNITIES

CONCERTO CONFERENCE



70% of the EU's energy consumption takes place in cities, and 40% in building-related services.

How can cities and communities meet the energy and climate challenge? How do citizens benefit from the implementation of energy efficiency measures and renewables? What can be gained if different energy services and technologies are combined in a smart way? Who needs to be involved to start the transformation towards smart cities and communities? Is this transition affordable?

This conference presents the lessons learned in the 58 demonstration sites of the 2005-2010 CONCERTO initiative, and discusses the implication for the Smart Cities and Communities European Innovation Partnership with stakeholders from cities, communities, industry, business, research and policy making.

**Charlemagne Building
Rue de la Loi 170, Brussels, Belgium
22nd - 23rd October 2013**

www.concerto.eu

**Organiser:
DG Energy and CONCERTO Premium**



CONCERTO is co-funded by the European Union under the Research Framework Programme

Exhibition stands during the conference

Tuesday 22nd October from 09:00 until 17:30 and

Wednesday 23rd October from 08:30 until 15:00 in the foyer on the second floor

- DG ENERGY:
 - o CONCERTO initiative
 - o Smart Cities Stakeholder Platform
- DG Mobility and Transport:
 - o CIVITAS Initiative
- DG Communications Networks, Content and Technology
 - o EMPIRICA
- Executive Agency for Competitiveness & Innovation (EACI):
 - o Intelligent Energy - Europe (IEE)
 - o Enterprise Europe Network
 - o ManagEnergy
- Covenant of Mayors
- Energy Cities
- EUROCITIES
- Polis - European Cities and Regions networking for innovative transport solutions
- Climate Alliance

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for Android



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Availability of Presentations

The PowerPoint presentations will be made available to the public after the event on the CONCERTO website under: www.concerto.eu.

CONCERTO video clips

During the conference we will show a selection of our new CONCERTO video clips. If you would like to see them all, please visit our Video Gallery (www.concerto.eu/concerto/home/video-gallery.html) or our YouTube Channel (www.youtube.com/user/CONCERTOPREMIUM). They are available in the following languages: English, Deutsch, español, français, italiano and polski.



TUESDAY 22ND OCTOBER 2013

09:00 - 10:00 Registration and welcome coffee

Possibility to visit the exhibition or to have pre-arranged bilateral meetings

Foyer Area, 2nd Floor

10:00 - 10:40 Bridging to Smart Cities and Communities

Room Gasperi, 2nd Floor

Keynote speeches

10:00 - 10:20 **Žydrūnė Juodkienė, Vice-minister for Energy of the Republic of Lithuania, on behalf of the EU Council Presidency**

Act locally think European – energy efficiency and the EU Council Presidency's energy policy agenda

10:20 - 10:40 **Marie Donnelly, European Commission, Director DG Energy, Directorate C**

Why we need energy-smart communities and cities for the energy - transformation of the EU

10:40 - 11:00 What Smart Cities can learn from CONCERTO

Summarising the results of the 58 cities & communities co-funded by the CONCERTO initiative

Valerie Bahr, Steinbeis-Europa-Zentrum, Coordinator of CONCERTO Premium, Germany

11:00 - 13:00 Plenary session: From CONCERTO to Smart Cities

Discussion on how to get started for the up-scaling from district to city - with speakers from CONCERTO Premium, the Smart Cities and Communities Stakeholder Platform, City Networks

Chair: Marie Donnelly, European Commission, Director DG Energy, Directorate C

- *Valerie Bahr, Steinbeis-Europa-Zentrum, Coordinator of CONCERTO Premium, Germany*
- *Jorge Núñez Ferrer, Centre for European Policy Studies (CEPS), Associate Research Fellow, Chair of the Finance Working Group of the Smart Cities and Communities Stakeholder Platform*
- *Kristina Dely, Energy Cities, Head of Covenant of Mayors Office*
- *Régis Largillier, Schneider Electric, Business Development Smart Cities, France*
- *Stef le Fevre, City of Amsterdam, Program Manager of the Amsterdam Climate & Energy Program, Coordinator of the Smart Cities project TRANSFORM, Amsterdam, The Netherlands*

13:00 - 14:15 Lunch break

Possibility to visit the exhibition or to have pre-arranged bilateral meetings

Foyer Area, 2nd Floor

14:15 - 16:00 **3 Parallel sessions**
Short presentations and time for discussion

14:15 - 16:00 **SESSION A** Room Gasperi, 2nd Floor

Good Practice of combined technologies

The innovative CONCERTO approach: Implementing a mix of technologies in the CONCERTO cities and communities

Chair: Norela Constantinescu, European Commission DG Energy, Directorate C, Unit C2
Rapporteur: Erik Merkel, French-German Institute for Environmental Research (DFIU) of the Karlsruhe Institute of Technology (KIT), CONCERTO Premium, Germany

Topics and speakers:

- CONCERTO assessment results from a technical point of view:
Michael Kleber, Group of Renewable Energies at the Karlsruhe Institute of Technology (KIT), CONCERTO Premium, Germany
- The CONCERTO approach in Amsterdam New West, The Netherlands; London-Lambeth, U.K.; Maabjerg, Denmark - Low Carbon Housing: Balancing between shell and energy system measures:
Rudy Rooth, KEMA Nederland BV, Coordinator of CONCERTO project ECOSTILER, The Netherlands
- Integrating mixed technologies in Dutch, Hungarian and Bulgarian communities:
Ewald Slingerland, ECOFYS, Partner in the CONCERTO project STACCATO, The Netherlands
- The CONCERTO approach in Cerdanyola, Spain; Ostfildern, Germany; Torino, Italy - Renewable trigeneration for cooling and heating of office buildings:
Ursula Eicker, Research Center Sustainable Energy Technologies Stuttgart, Coordinator of CONCERTO project POLYCITY, Germany

14:15 - 16:00 **SESSION B** Room Mansholt, 1st Floor

Is clean energy affordable?

Financing and business models for smart cities and communities

Chair: Andreea Strachinescu, European Commission, Head of Unit DG Energy, Directorate C, Unit C2

Rapporteur: Thomas Lützkendorf, Department of Economics and Business Engineering, Chair of Sustainable Management of Housing and Real Estate (ÖÖW) of the Karlsruhe Institute of Technology (KIT), CONCERTO Premium, Germany

Topics and speakers:

- CONCERTO assessment results from an economic point of view:
Thomas Lützkendorf and Ellen Platt, Department of Economics and Business Engineering, Chair of Sustainable Management of Housing and Real Estate (ÖÖW) of the Karlsruhe Institute of Technology (KIT), CONCERTO Premium, Germany
- The Committee of Regions political recommendation responding to CONCERTO challenges and barriers: lessons for the future of the Smart Cities Innovation Partnership
Michael Lebrun, Member of the EU Committee of the Regions (CoR), Rapporteur on energy policy and Member of the Walloon Parliament, Belgium
- The HOLISTIC project - A successful collaboration with significant national and international impacts:
Declan Meally, Sustainable Energy Authority of Ireland (SEAI), Head of Department, Coordinator of the CONCERTO Project HOLSTIC, Ireland
- From agricultural environmental challenges to green energy in the cities:
Alan Lunde, Maabjerg BioEnergy Drift A/S, Chief Consultant, involved in the CONCERTO project ECOSTILER, Denmark

14:15 - 16:00

SESSION C

Room Jenkins, 1st Floor

How to start a smart energy community – a session for “Newcomers”

Experiences on how to initiate the process

Chair: Sven Dammann, European Commission DG Energy, Directorate C, Unit C2

Rapporteur: Charlotte Schlicke, Steinbeis-Europa-Zentrum, CONCERTO Premium, Germany

Topics and speakers:

- When application faces reality - lessons learned in PIME'S
Iver Jan Leren, Rogaland County Council, Project coordinator of the project PIME'S, Norway
- Planning CONCERTO project SOLUTION, experiences and lessons learned
Miika Rämä, VTT Technical Research Centre of Finland, Local coordinator of the CONCERTO project SOLUTION, Finland
- Different approaches on how to start CONCERTO projects:
Reto M. Hummelshøj, COWI A/S, Coordinator of the CONCERTO projects ECO-City and ECO-Life, Partner of the CONCERTO project SORCER, Denmark
- The transition from a City to a Smart City – from early CONCERTO lessons to Smart Cities initiatives in Grenoble, France:
Laurent Gaillard, Ville de Grenoble, Partner of the CONCERTO project SESAC and partner of the Smart Cities Projects ZenN & CityZen, France

16:00 - 16:30

Coffee break

Foyer Area, 2nd Floor

Possibility to visit the exhibition or to have pre-arranged bilateral meetings

16:30 - 17:00

Plenary session

Room Gasperi, 2nd Floor

Presenting the summaries of the 3 parallel sessions

Summaries from the three sessions by their rapporteurs, Q&A to moderators

17:00 **Closing the day**

Room Gasperi, 2nd Floor

18:30 – 20:30

Evening reception

Theatre du Vaudeville,
Galerie de la Reine 13,
Brussels

The first conference day will conclude in an evening reception at the elegant Vaudeville Theatre located in the middle of the magnificent “Galerie de la Reine” Arcade. The crowdsourced poetry by Dan Simpson will give you an entertaining wrap-up of the conference day along with a diversity of food and beverages.

- *Welcome note: Andreea Strachinescu, European Commission, Head of Unit DG Energy, Directorate C, Unit C2*
- *Interview (by Jacki Davis) with Carl Fechner and Gessie George, fechnerMEDIA, talking about the CONCERTO videos*
- *Crowdsourced Poetry by Dan Simpson*

Evening Reception at the Théâtre du Vaudeville

Galerie de la Reine 13, 1000 Brussels, starting at 18:30.

Directions
The nearest train / metro station
is Gare Centrale.
(see www.stib.be)

By Metro
Take Line 1 or 5,
get off at Gare Centrale.

By local bus
Lines 29, 63, 65 or 66,
get off at Gare Centrale.



Crowdsourced Poetry with Dan Simpson

A poem on energy solutions for smart cities and communities, created during the CONCERTO Conference



"A crowdsourced poem is created entirely from words submitted by the public on a particular topic or theme. Once all the lines and words have been collated, I then cut up and combine these words into a new, coherent and crowdsourced poem."

The poem will be presented on Tuesday, 22nd October during the evening reception at the Théâtre du Vaudeville.

WEDNESDAY 23RD OCTOBER 2013

08:30 - 09:00 Registration and coffee

Possibility to visit the exhibition or to have pre-arranged bilateral meetings

09:00 - 10:30 Panel discussion: Overcoming barriers to stakeholder engagement

Room Gasperi, 2nd Floor

Discussion with stakeholders from public authorities, industry (energy supplier, construction company), energy manager, project partners of EU co-funded projects and European Commission

Chair: Sven Dammann, European Commission DG Energy, Directorate C, Unit C2

- *Sébastien Morineau, Brussels Metropolitan Region, Belgium*
- *Henrik Johansson, City of Växjö, involved in the CONCERTO project SESAC, Sweden*
- *Rob Oosterloo, Ymere, involved in the CONCERTO project STACCATO, The Netherlands*
- *Ursula Eicker, Research Center Sustainable Energy Technologies Stuttgart, Coordinator of the CONCERTO project POLYCITY, Germany*
- *Alan Lunde, Maabjerg BioEnergy Drift A/S, Chief Consultant, involved in the CONCERTO project ECOSTILER, Denmark*

10:30 - 11:00 Coffee break

Possibility to visit the exhibition or to have pre-arranged bilateral meetings

Foyer Area, 2nd Floor

11:00 - 12:30 3 Parallel Sessions

Short presentations and time for discussion

11:00 - 12:30 SESSION D

Room Gasperi, 2nd Floor

EU funding possibilities

How to finance and co-finance transnational projects

Chair: Jens Bartholomes, European Commission, DG Energy, Directorate C, of Unit C2
Rapporteur: Charlotte Schlicke, Steinbeis-Europa-Zentrum, CONCERTO Premium, Germany

Topics and speakers:

- Funding of Smart Cities in Horizon 2020:
Alexandros Kotronaros, European Commission DG Energy, Directorate C, Unit C2
- The European Local Energy Assistance (ELENA);
Roman Doubrava, European Commission DG Energy, Directorate C, Unit C3
- SME funding opportunities in Horizon 2020 and in the Programme for the competitiveness of enterprises and SMEs (COSME):
Sven Schade, European Commission, DG Enterprise and Industry, SME Access to markets, ENTR.D2
- R2CITIES - Co-Financing issues in FP7 Smart Cities projects:
Rubén García Pajares, CARTIF, Coordinator of the Smart Cities (EeB PPP) project R2Cities, Spain

11:00 - 12:30

SESSION E

Room Mansholt, 1st Floor

The benefits of smart energy districts – policy developments following the implementation of CONCERTO projects

How CONCERTO pilot projects along with national and local policy frameworks support the energy transformation

Chair: Volker Stelzer, Institute for Technology Assessment and Systems Analysis (ITAS) of the Karlsruhe Institute of Technology (KIT), CONCERTO Premium, Germany
Rapporteur: Markus Winkelmann, ITAS KIT, CONCERTO Premium, Germany

Topics and speakers:

- Policy recommendations from the CONCERTO initiative:
Andrea Immendoerfer, Institute for Technology Assessment and Systems Analysis (ITAS) of the Karlsruhe Institute of Technology (KIT), CONCERTO Premium, Germany
- RENOVATE Europe - Industry partners for ambitious energy efficiency policies:
Adrian Joyce, EuroACE Secretary General, Renovate Europe Campaign Director, Belgium
- The German energy transition and CONCERTO impact at local level in Hanover, Germany:
Astrid Hoffmann-Kallen, City of Hanover, Coordinator of the project act2, Germany
- Contributions of CONCERTO and Smart Cities to local and national policies - the example of Lyon, France:
Marc Jedliczka, Director of HESPUL, Coordinator of the CONCERTO project Renaissance, France

11:00 - 12:30

SESSION F

Room Jenkins, 1st Floor

How the CONCERTO Technical Monitoring Database helps the decision-maker: for local governments and other energy stakeholders

How the data from 58 CONCERTO sites can be visualized and used to support the decision processes

Chair: Silke Schnaidt, Faculty of Architecture, Building Science Group (FBTA) of the Karlsruhe Institute of Technology (KIT), CONCERTO Premium, Germany
Rapporteur: Dan Gutu, FBTA KIT, CONCERTO Premium, Germany

Topics and speakers:

- Introductory words on the CONCERTO visualization: how to discover the information of interest
Dan Gutu, Faculty of Architecture, Building Science Group (FBTA) of the Karlsruhe Institute of Technology (KIT), CONCERTO Premium, Germany
- How the CONCERTO Technical Monitoring Database helps the decision-maker: for local governments and other energy stakeholders
Michael Kleber, Group of Renewable Energies at KIT, CONCERTO Premium, Germany
Ulf-Thore Kröher, FBTA KIT, CONCERTO Premium, Germany
Ellen Platt, Department of Economics and Business Engineering, Chair of Sustainable Management of Housing and Real Estate (ÖÖW) of KIT, CONCERTO Premium, Germany
Kilian Seitz, French-German Institute for Environmental Research (DFIU), CONCERTO Premium, Germany
- Practical training: Participants explore the visualization guided by CONCERTO Premium Team

Please use your lap top in this training

12:30 - 13:00

**Plenary session:
Results of the morning sessions and future EU activities**

Room Gasperi, 2nd Floor

Summaries from the three sessions by their rapporteurs, Q&A to moderators



13:00 - 13:30 Smart Cities and Communities: future EU activities

Interview with

- *Marie Donnelly, European Commission, Director DG Energy, Directorate C*
- *Collette Maloney, European Commission, Head of Unit Smart Cities & Sustainability, DG Communications Networks, Content and Technology*
- *Henriette Van Eijl, European Commission, Unit Research and Innovative Transport Systems, DG Mobility and Transport*

13:30 - 15:00 Lunch buffet

Possibility to visit the exhibition or to have pre-arranged bilateral meetings

Foyer Area, 2nd Floor

End of Conference

Master of Ceremony: Jacki Davis



Jacki Davis

Master of Ceremony



Jacki Davis is an experienced journalist, speaker and moderator of high-level events both in Brussels and in EU national capitals. She is the editor of many publications, a regular broadcaster on television and radio news programmes, and a senior adviser to the European Policy Centre think tank.

Conference Office

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THANK YOU FOR YOUR PARTICIPATION!

The European Commission, DG Energy would like to thank you for your participation at the CONCERTO Conference and hopes that you gained new impulses and ideas for the future!

