

Order your copy
of the full report

“Energy solutions for smart cities and communities Recommendations for Policy Makers

from the 58 Pilots of the CONCERTO Initiative”

Please fill in the lines on the reverse,
detach and send to us!



To the EU Key Recommendations in Brief

- Monitoring the energy performance is of paramount importance for energy saving and trust in innovative solutions.
- Following successful research and development regarding **nearly zero-energy buildings** and energy-plus buildings, nearly zero-energy retrofitting and the development of new technical solutions for situations with low PV potential may become an emerging future focus.
- Due to the high **multiplier effect** as well as associated local economic benefits of measures for public buildings, all public building should be retrofitted to the highest possible technical standard.
- An **EU Deep Retrofitting Fund** could be an important complement to national financing schemes.
- Any EU funding for projects, including that under Structural and Regional Development Funds, should define and **enforce minimum requirement for cost-optimal energy efficiency** measures and renewables.

... Please see full report for more details!

To National Governments Key Recommendations in Brief

- For tackling the inefficient existing building stock, **split-incentives**, should be addressed, for example by designing and supporting appropriate contracting solutions for energy efficiency measures, that remove the need for up-front capital cost and addressing letting legislation,
- Energy criteria should be included into **specifications, tender documents and contracts**, as well as service and maintenance agreements for all public buildings.
- Public authorities should display EPCs in all their buildings, regardless of whether they are open to the public or frequented solely by employees and regardless of size.
- Stable, well-calibrated **feed-in tariffs**, guaranteeing revenues for a long period (20-30 years), can be crucial in bringing about an increased use of renewables.
- **Dedicated quality control regimes** for energy efficiency features in buildings should be developed and formalised.

... Please see full report for more details!

To Local Governments Key Recommendations in Brief

- **Consensus** building for the retrofitting of **multi-ownership buildings** needs to be actively supported at local level
- **Municipal energy companies** should explore **micro-contracting solutions** for energy efficiency measures and renewables as new service areas.
- Technical measures should always be **combined** with **awareness and acceptance**
- **Sustainable energy action plans** are very good starting points for the local energy transition.
- Municipalities should **employ energy officers** for coordination of energy demand, energy efficiency, local energy production, infrastructure etc.
- To bring all relevant stakeholders together, existing networks should be tapped into, or new **local platforms** should be set up
- Municipalities are encouraged to join existing **international and other municipality networks**.

... Please see full report for more details!



New Report
coming soon

Energy solutions for smart cities and communities Recommendations for Policy Makers

from the 58 Pilots of the CONCERTO Initiative

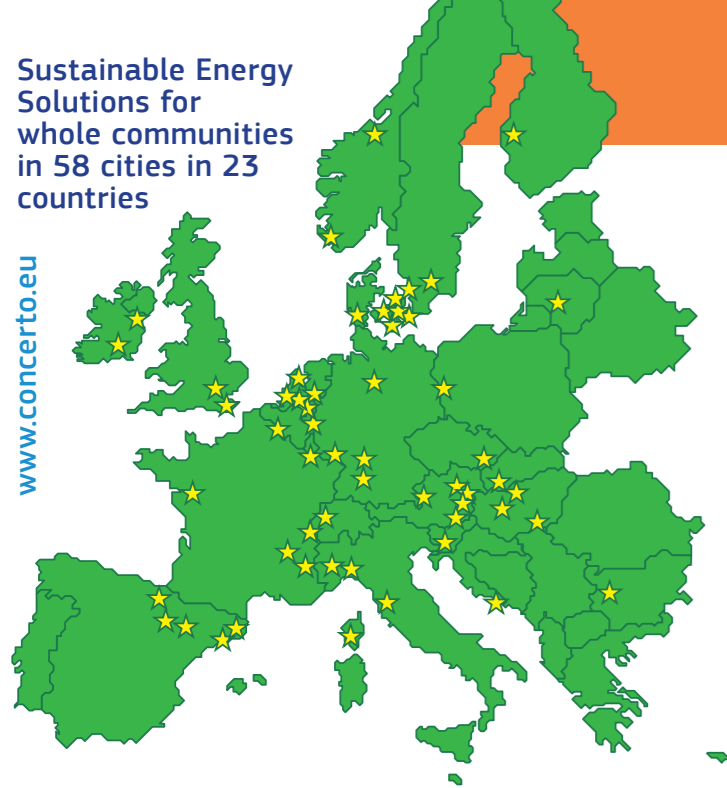
www.concerto.eu

Energy

These recommendations have been developed by the consulting experts that carried out the analysis of the CONCERTO projects. They are not political positions of the European Commission or the European Union.

Sustainable Energy Solutions for whole communities in 58 cities in 23 countries

www.concerto.eu



The Pilot Communities

CONCERTO is a European Commission initiative in the European Research Framework Programme (FP6 and FP7), funding communities to implement a smart mix of energy efficiency measures and renewable energy installations. **It's in the mix!**

These sizable projects are an important foundation on which Smart Cities projects can now build.

Sustainable energy neighbourhoods, such as those created under CONCERTO, demonstrate powerfully that **an energy transition is an opportunity**, making communities less dependent on energy imports and more resilient against energy price increases.

The projects succeeded in **creating real-life showcases** of innovative concepts and low-energy buildings and neighbourhoods. All projects implemented innovative energy-efficiency measures in the built environment and now produce heat and power from renewable energy sources. Many have achieved passive-house standard and even energy-plus standard could be reached.

Inspiring Change

Most projects **inspired follow-on projects** and many **policy developments** at local, and sometimes even at national scale. A legacy is also left by the training measures incorporated into the projects.

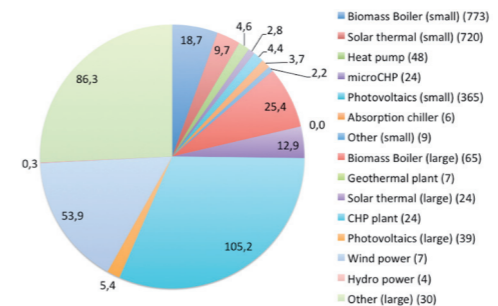
The analysis of the 58 sites means that a number of **issues** emerge helping to inform policy making on a number of topical subjects:

- **Energy Performance, Calculations & Regulations**
- **Retrofitting for Smarter Communities**
- **Public Buildings as Trailblazers for Smarter Cities**
- **Economic Aspects of Sustainable Energy Projects**
- **Planning for Smarter Energy Solutions**
- **The Social Dimension of Local Sustainable Energy Measures**

Life-Size Energy Laboratories

CONCERTO proved how **powerful real-life examples** are in creating acceptance for low-carbon energy technologies. They proof feasibility and value and reduce fears and negative myths amongst the local communities. They are of utmost importance as a catalyst for the energy transition.

Total installed RES power in CONCERTO of 335 MW



Total installed RES power [MW] of CONCERTO demonstration objects by summing up heating, cooling and electricity power per type, according to the CONCERTO database status from August 2013. The numbers of demonstration objects are shown in brackets.

Please send me a copy of the full report!

Name:

Street:

City/ZIP CODE:

Country:

I prefer an electronic copy

E-mail:

Please post in box provided or send to:
 Karlsruhe Institute of Technology
 Institute for Technology Assessment and Systems Analysis
Karlstrasse 11, 76133 Karlsruhe, Germany