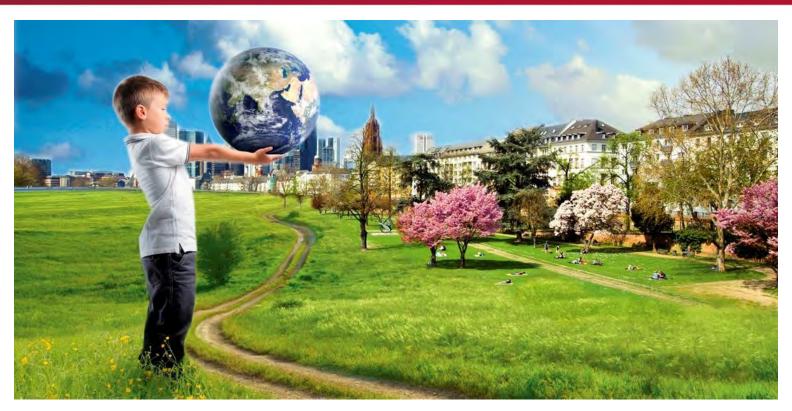


The Energy Efficiency dimension for Cities



CONFERENCE ON ENERGY EFICIENCY IN CITIES
June 17-18, 2014 / Mexico City

Gérard Magnin, Executive Director, Energy Cities

No. 42 | Spring 2014 | INFO

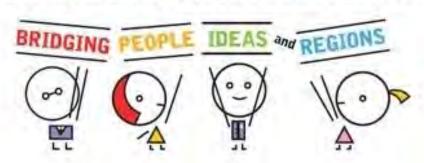
Interview with Benjamin R. Barber: "A global parliament of mayors as a key" p3

Financing local energy projects p.12

Understanding better the circular economy p.16



LOCAL LEADERS FOR SUSTAINABLE ENERGY







authorities in energy transition



MAKING THE DIFFERENCE

Insight into successful low-carbon strategies

and the same of th

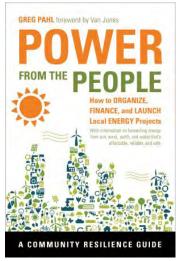




70% is consumed in cities

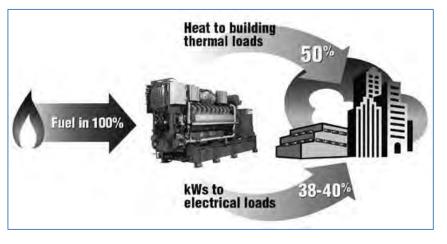
Energy efficiency: a local issue













4 roles of local authorities in the energy field

- 1. The municipality as energy consumer/buyer
- 2. The municipality as energy producer/distributor
- 3. The municipality as planner/investor
- 4. The municipality as a motivator/catalyser

A typology initially proposed by Energy Cities widely used for more than 20 years



1. Energy consumer/buyer

- > Buildings, lighting, facilities, vehicles fleet
- > Existing buildings -30% to -50%, new -50 to 80%
- > From auditing to monitoring and financing
- > Benchmarking, displaying
- > Public procurement

Saving energy = Saving money Municipality as a model



Besançon (FR) saves 50% energy in its buildings stock (400)





Display Campaign in Brasov (RO)





Dobrich (BG) – 40% energy saving





2. Energy producer and distributor

- ➤ Planning / co-ordination / optimisation of networks (heating and cooling, gas, electricity, water, sewage, ICT, etc.)
- Cogeneration (various scale), heat recovery
- Local renewable resources
- > Smart grids and demand side management
- > Connection with dispersed production

Local energy + less energy consumed = Local development



Geneva (CH) uses its lake to cool and heat the city





Heerlen (NL) uses the heat of its old coal mines to heating the city





3. Planner and investor

- > Land use planning
- > Mixity of activities
- > Infrastructures
- > Construction, retrofitting
- > Moving and transport
- Overview on energy and emissions

Energy integrated in choices of land use and urban planning to reduce consumption



Heidelberg: the Stadtbahn "passive" district





Brno-Nový Lískovec (CR) retrofits with high energy standards (50kWh)





4. Motivator and catalyst

- > Information, awareness raising, education
- > Promotion of energy efficient pioneers
- > Incentives, local campaigns
- ➤ New governance with leading players (citizens, associations, SMEs, etc.)

Towards energy citizenship



The "ENGAGE" Campaign in many cities









Co-creation of local energy policies



-pages Outils ? La Suisse sur la piste de... × MP. Manton short ion énergétique.... × @ Energy Cities @ Energy Transition -Federica Presemuth - ... =

ergy Transition -

- Google

Covenant of Mayors Committed to local sustainable energy

Covenantatmayors eu My Govenant

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OK

The Covenant of Mayors is the mainstream European movement involving local and regional authorities, voluntarily committing to increasing energy efficiency and use of renewable energy sources on their territories. By their commitment, Covenant signatories aim to meet and exceed the European Union 20% CO, reduction objective by 2020.

Read more



Covenant of Mayors News

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New CASCADE toolkit to help signatories improve their energy policies

fi June 2014 - 13:25

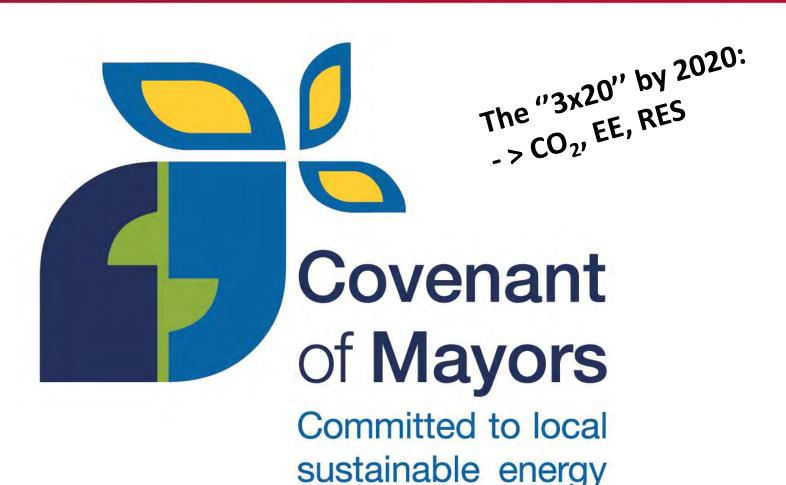
The IEE funded project CASCADE enabled 75 cities from 19 European countries, the majority Covenant signatories, to work together and make



Study visit in Barcelona: Intermodal transport system 26 - 27 June 2014 Barcelona, Spain Read more



A voluntary commitment of local authorities to energy and climate EU objectives





From local authorities to EU institutions...





An unusual message

Yes In My Backyard

www.energy-cities.eu



The Covenant of Mayors in figures





"Member States should accelerate the implementation of the Sustainable Energy Action Plans submitted by municipalities participating to the Covenant of Mayors"







COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT AND THE COUNCIL

European Energy Security Strategy

{SWD(2014) 330 final}



"Irrespective of the European country concerned, join the Covenant of Mayors (as signatories for towns and as local co-ordinators for regions and provinces), which is nowadays the reference movement for local and regional authorities"

The Congress of Local and Regional Authorities



21st SESSION CG(21)11 22 September 2011 "участвовать, вне зависимости от того, какая это европейская страна, в Конвенции мэров (в качестве участников, подписавших Конвенцию от городов, и территориальных координаторов от регионов и провинций), которая является одним из важнейших документов для местных и региональных властей;"

Energy supply and energy efficiency at local and regional level: promoting energy transition

Current Affairs Committee
Rapporteur: Svetlana ORLOVA, Russian Federation (R, EPP/CD 1)



68 UA Covenant signatories



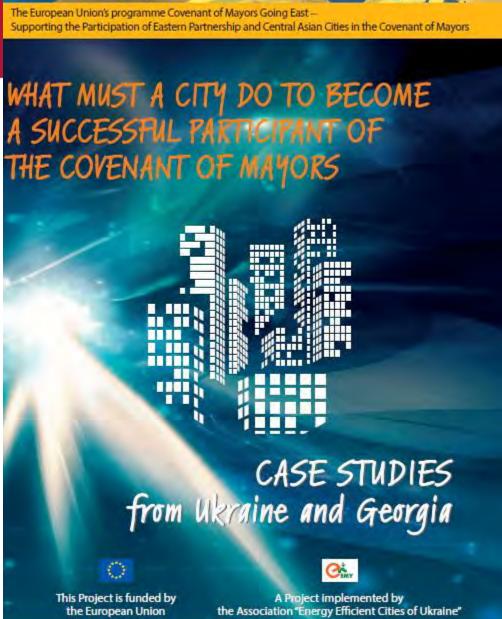


Асоціація "Енергоефективні міста України"



Асоціація ЕМУ офіційна структура підтримки європейської Ініціативи "Угода мерів"









An experience that can help positive ouputs of multilateral negotiations





What if, in the future Paris agreement, we were able to read something such as:

- "National governments give mandate to local governments to commit themselves, on a voluntary basis, to reach common objectives (e.g. 2 tons CO_2/per capita by 2050),
- "Voluntary local governments prepare / update a Sustainable Energy Action Plan for the ten upcoming years, then report on results,
- "'National governments commit to validate Action Plans of local governments and provide any form of support to accelerate their implementation, then report on their action to the UN.



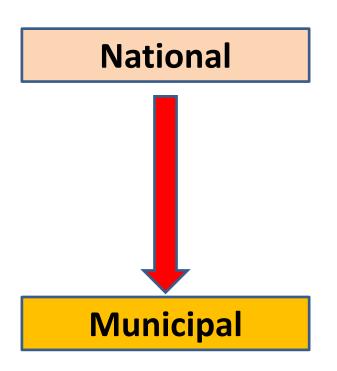
A reflection as a conclusion...

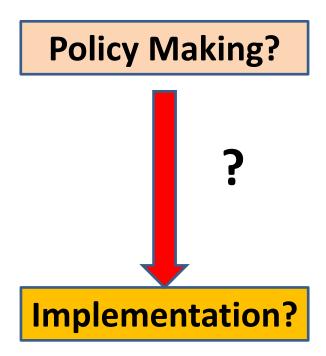
"(...) Identify opportunities and obstacles, and understand how to build bridges between national policy-making and local implementation to accelerate and scale-up energy efficiency at the municipal level (...)"

Extract of the Conference background paper of the Conference ("Objectives")

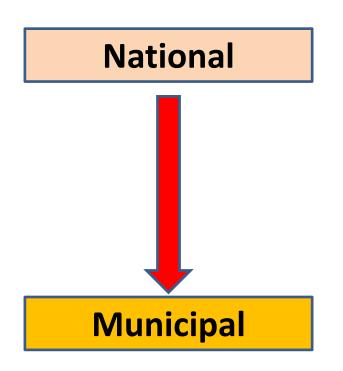


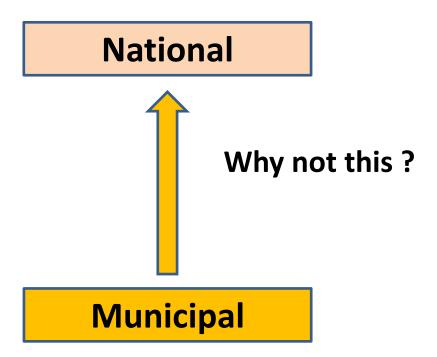






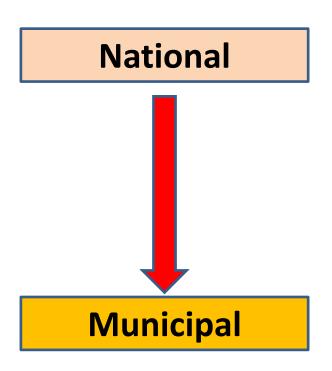


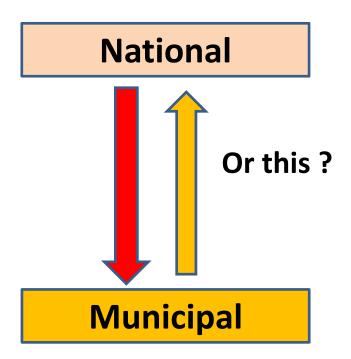






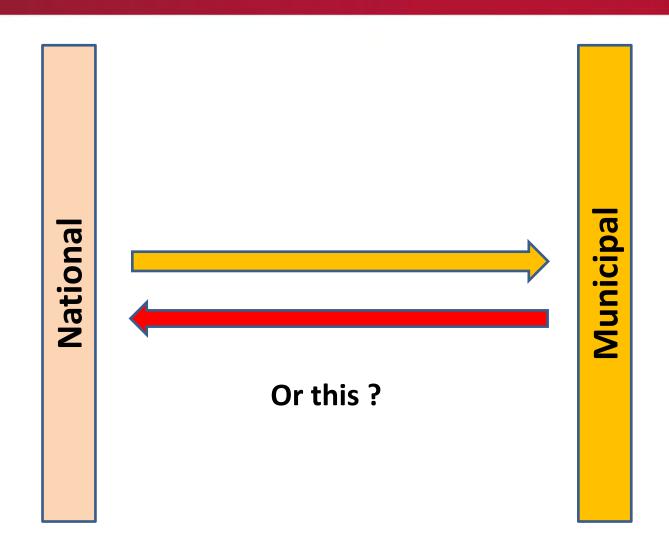


















National = legal framework





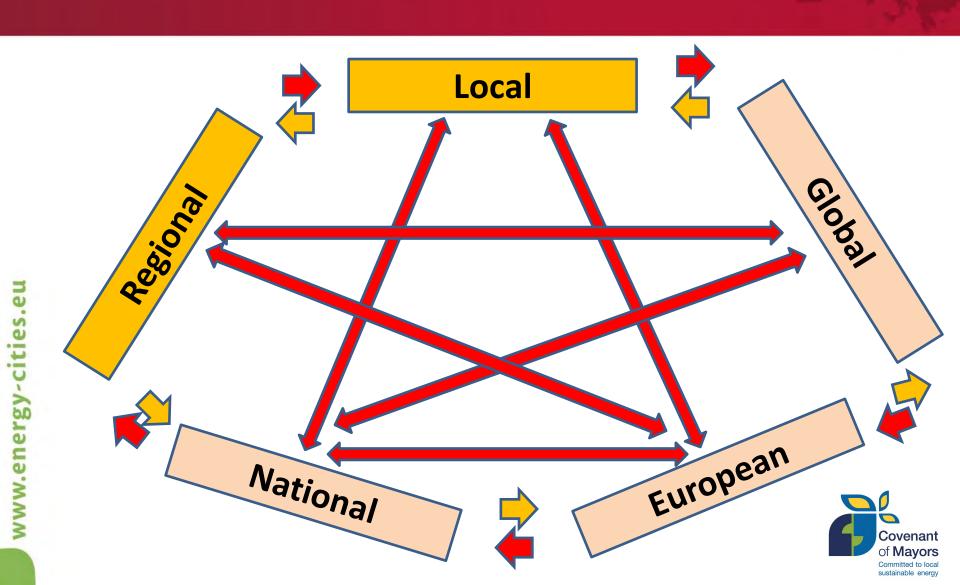
Municipal = Invention / experiment

Municipal = Implementation at a large scale



Multilevel/actor governance

No level is able to tackle challenges by itself





energycities

WHERE ACTION & VISION MEET

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