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WHERE ACTION & VISION MEET

Energy Cities' proposals for the energy transition of cities and towns

Energy Cities prijedloga za provedbu energetske tranzicije gradova i općin

„Sustainability is in our hands : global networking"

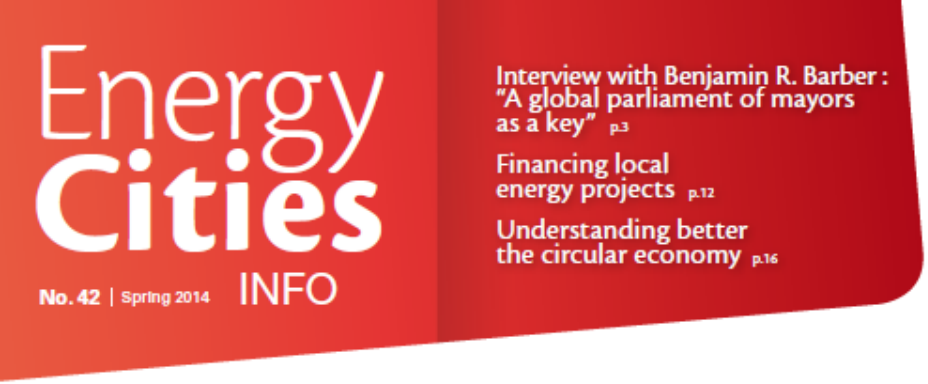
ZAGREB ENERGY WEEK 2014
INTERNATIONAL CONFERENCE
Zagreb, May 14th 2014.,

Gérard Magnin,
Executive Director, Energy Cities

Covenant of Mayors
Committed to local sustainable energy

Supporter

www.energy-cities.eu



LOCAL LEADERS MAKING THE DIFFERENCE

Insight into successful low-carbon strategies

INSPIRATION FOR future European policies

1000 cities
30 countries

Zagreb
Rijeka
Zadar
Ivanic Grad
Koprivnica

The European association of local authorities in energy transition

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8 May 2014

MORE IN THIS SECTION

- NATO helps secure strategic infrastructure in Ukraine
- Council rubber stamps private-public partnerships in biomass, air, energy, electronics, medicine
- G7 wants to end dependence on Russian gas
- Italy looks at Mediterranean for alternatives to Russian gas
- EU tables free carbon permit proposal for heavy industries

More

Ukrainian cities unite to send out energy efficiency SOS

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[Thinkstock]

08/05/2014 - 07:57

EXCLUSIVE / A bloc of 35 Ukrainian cities has sent an urgent plea for European help in scaling up the efficiency of their buildings, district heating and transport networks in a bid to curb Russian energy dependence.

The letter, which EurActiv has seen, was sent by the Association of Energy Efficient Cities of Ukraine (EECU) which unites local authorities from the country's east and west, encompassing two million people.

It has sparked fresh calls for EU action on efficiency in an energy security report next month that will weigh measures to curb Europe's reliance on Russian gas, some 40% which arrives via Ukraine.

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Асоціація
“Енергоефективні
міста України”

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Асоціація ЕМУ -
офіційна структура
підтримки європейської
ініціативи “Угода мерів”

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The European Union's programme Covenant of Mayors Going East –
Supporting the Participation of Eastern Partnership and Central Asian Cities in the Covenant of Mayors

WHAT MUST A CITY DO TO BECOME A SUCCESSFUL PARTICIPANT OF THE COVENANT OF MAYORS

CASE STUDIES from Ukraine and Georgia

This Project is funded by the European Union

A Project implemented by the Association "Energy Efficient Cities of Ukraine"

Take advantage of the Covenant to network at all levels

National:
Croatian club of the Covenant of Mayors... ...and many others : France, Germany, Poland, The Netherlands, Sweeden, Romania, Bulgaria, etc.

European:
Through City networks

Global:
Towards Paris 2015

Regional:
South East Europe club of the Covenant of Mayors....

Covenant of Mayors
Committed to local sustainable energy

A transition towards…

Supply	→	Demand
*M*egawatt	→	*N*egawatt
Fossils	→	Renewables
Carbonized	→	Carbon free
Vertical / Centralised	→	Horizontal / Decentralised
Big technologies	→	Small & soft technologies
Consumers	→	Citizens
Jobs: mines, utilities' workers	→	Jobs: building, management
State	→	Local authorities, market actors

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Where is the local level gone?

Energy Cities' proposals for the energy transition of cities and towns

Energy Cities prijedloga za provedbu energetske tranzicije gradova i općina

www.energy-cities.eu/30proposals

- Developed from **dozens of concrete examples across Europe**
- Innovative approaches, new ideas and ground-breaking practices: **these cites and towns lead the way** to the energy transition…

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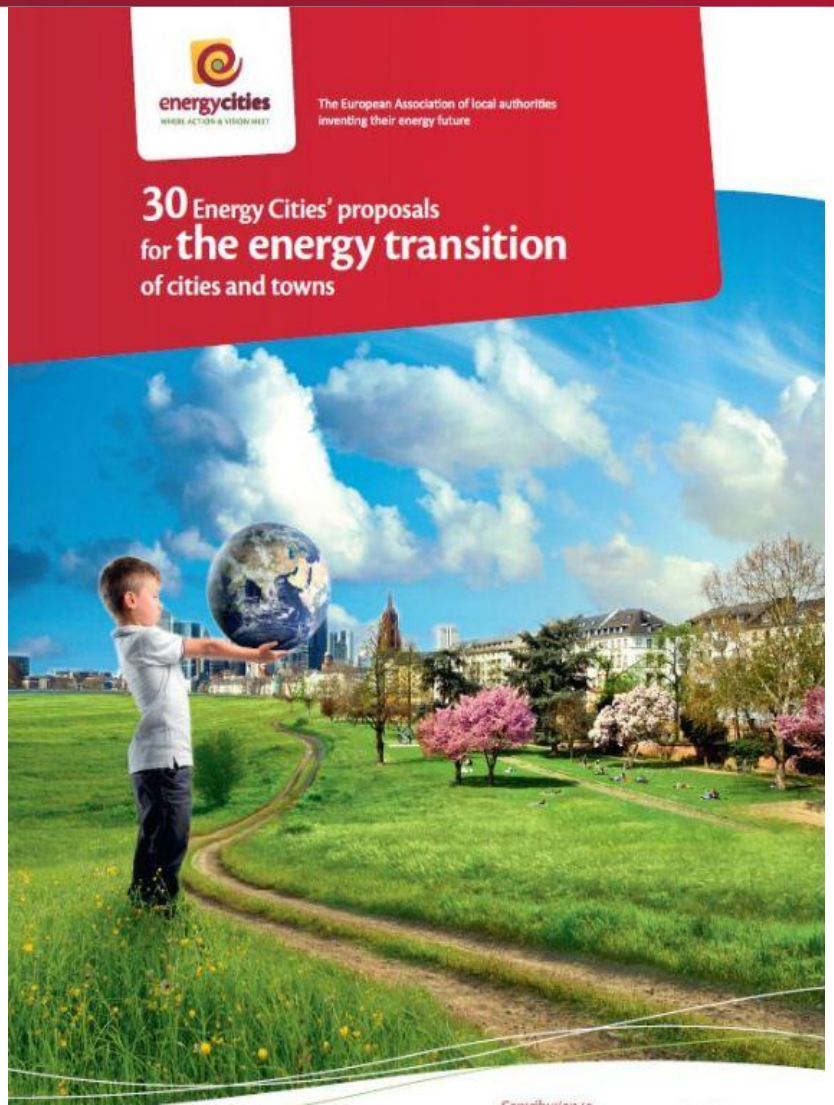
Energy Cities Proposals for the energy transition of cities and towns



- **Empowering local actors**
- **Knowing our territories' resources and flows**
- **Rethinking finance in general**
- **Inventing a new local governance**
- **Urban planning as a way of reducing energy use**

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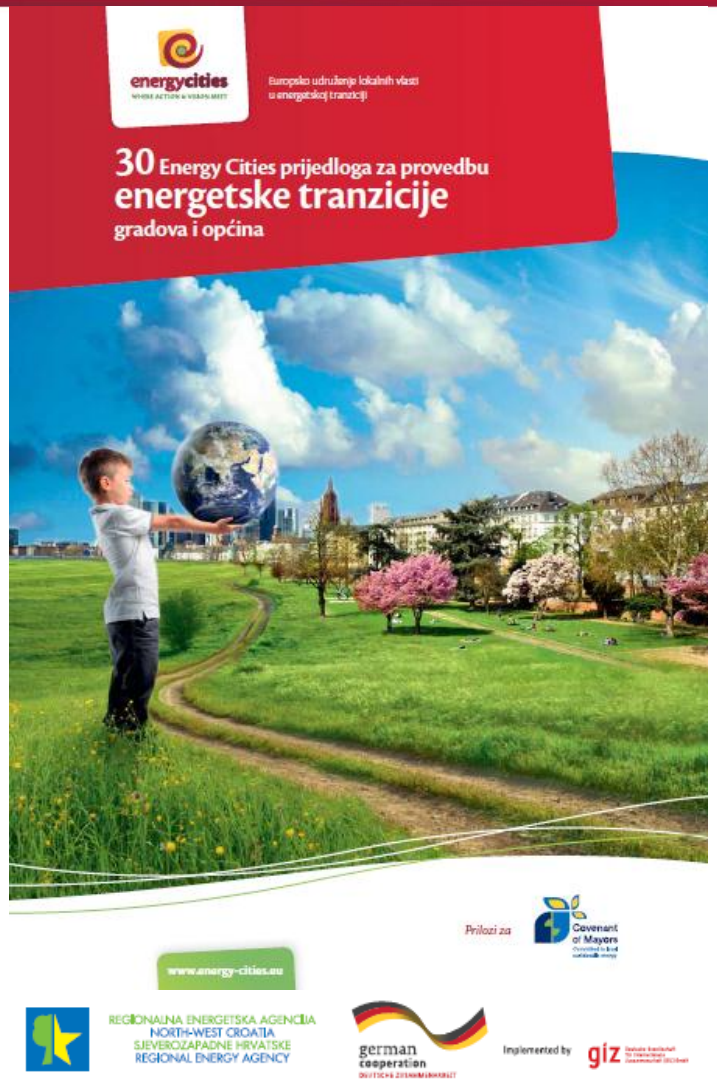
Energy Cities prijedloga za provedbu energetske tranzicije gradova i općina



- **Osnaživanje lokalnih aktera**
- **Poznavanje resursa i tokova u našoj zajednici**
- **Razmatranje novih mogućnosti u fi nanciranju**
- **Osmišljavanje novog tipa lokalne uprave**
- **Prostorno planiranje kao mjera smanjenja potrošnje energije**

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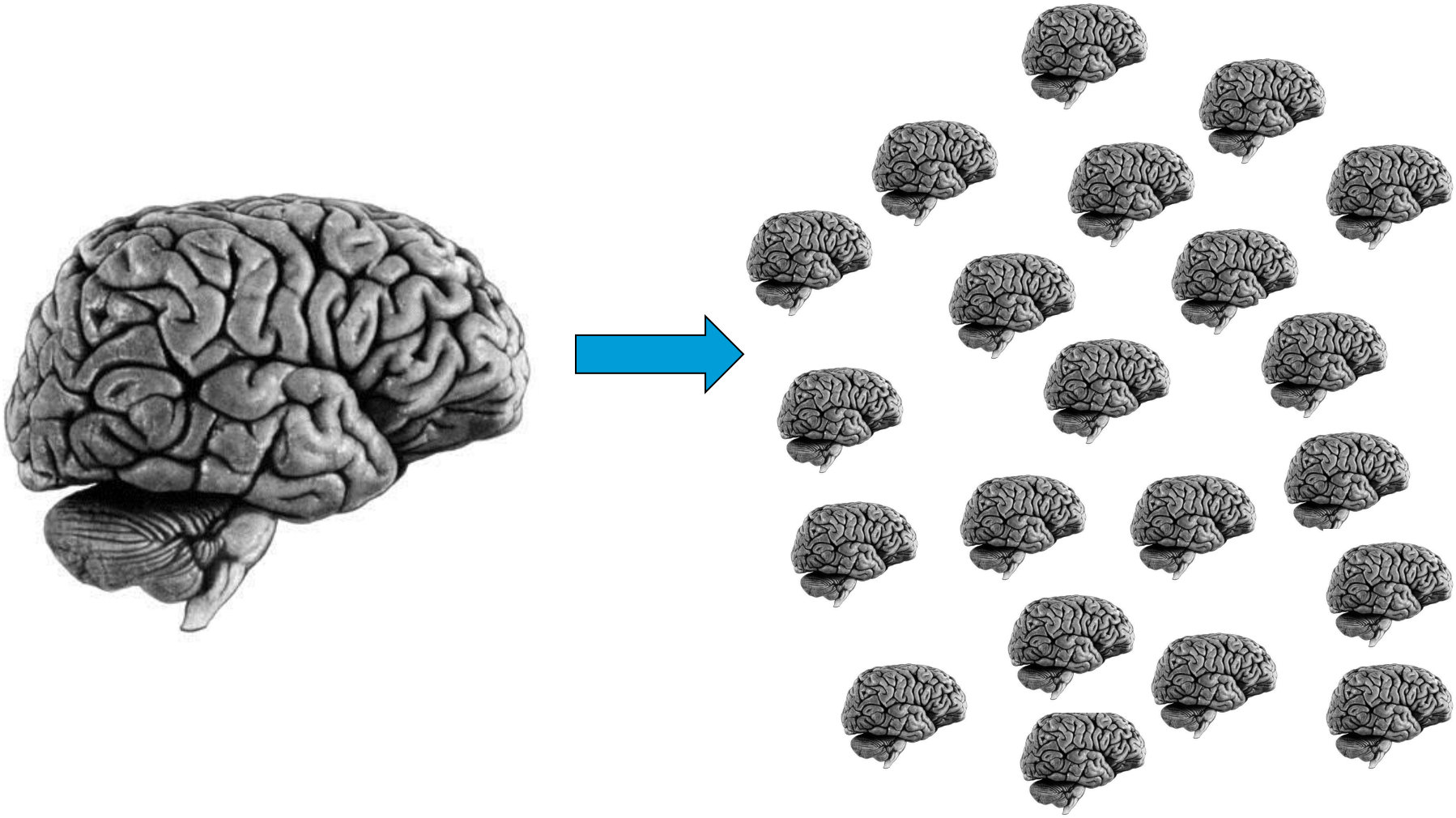
1 - Empowering local actors / *Osnaživanje lokalnih aktera*



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1 - Empowering local actors / *Osnaživanje lokalnih aktera*

Proposal 1.1

Take local control of energy supply / *Uspostaviti lokalnu kontrolu nad opskrbom energije*

Växjö, Sweden – *90,000 inhabitants*

« 100% fossil-fuel free » !

- Decision taken by city council in 1996
- **84 %** of the heat & **57%** of the electricity come from renewable energy sources
- Reduction in CO_2 *per capita* emissions of over **35%** since 1996

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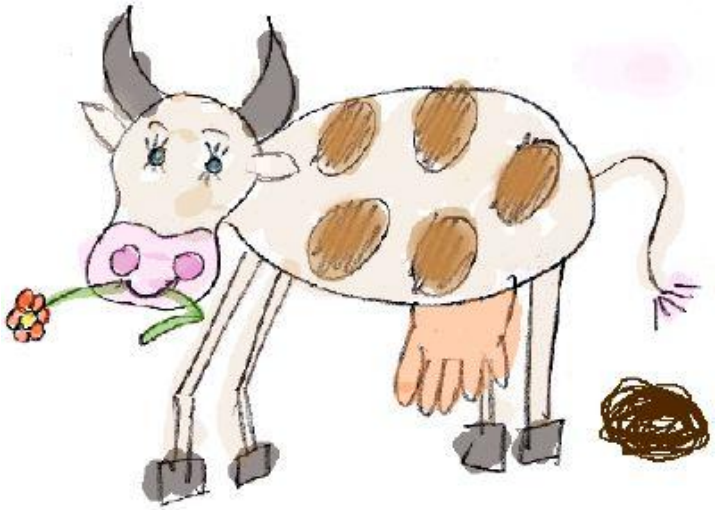
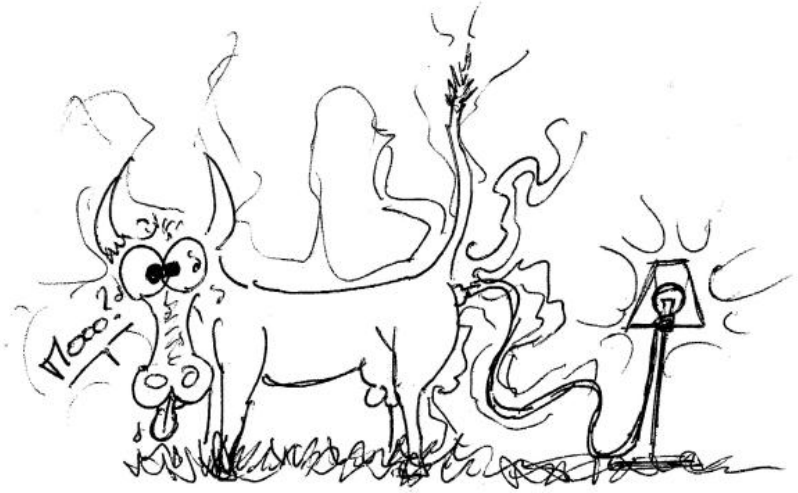
2 - Knowing our territories' resources and flows / *Poznavanje resursa i tokova u našoj zajednici*





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2 - Knowing our territories' resources and flows / *Poznavanje resursa i tokova u našoj zajednici*

Proposal 2.1

- **Know the territory's metabolism**

  so as to optimise local potential and reduce the impact of human activities on the ecosystem / ***Upoznati svoje područje radi optimiziranja lokalnog potencijala i smanjenja utjecaja ljudskih aktivnosti na ekosustav***

Geneva Canton, Switzerland – *470,000 inhabitants*

Studying territorial metabolism as a starting point

- Study of its territorial metabolism to minimise incoming flows (incl. the lake)
- Searching for industrial symbioses
- Building material recycling
- Goods transport optimisation
- etc.

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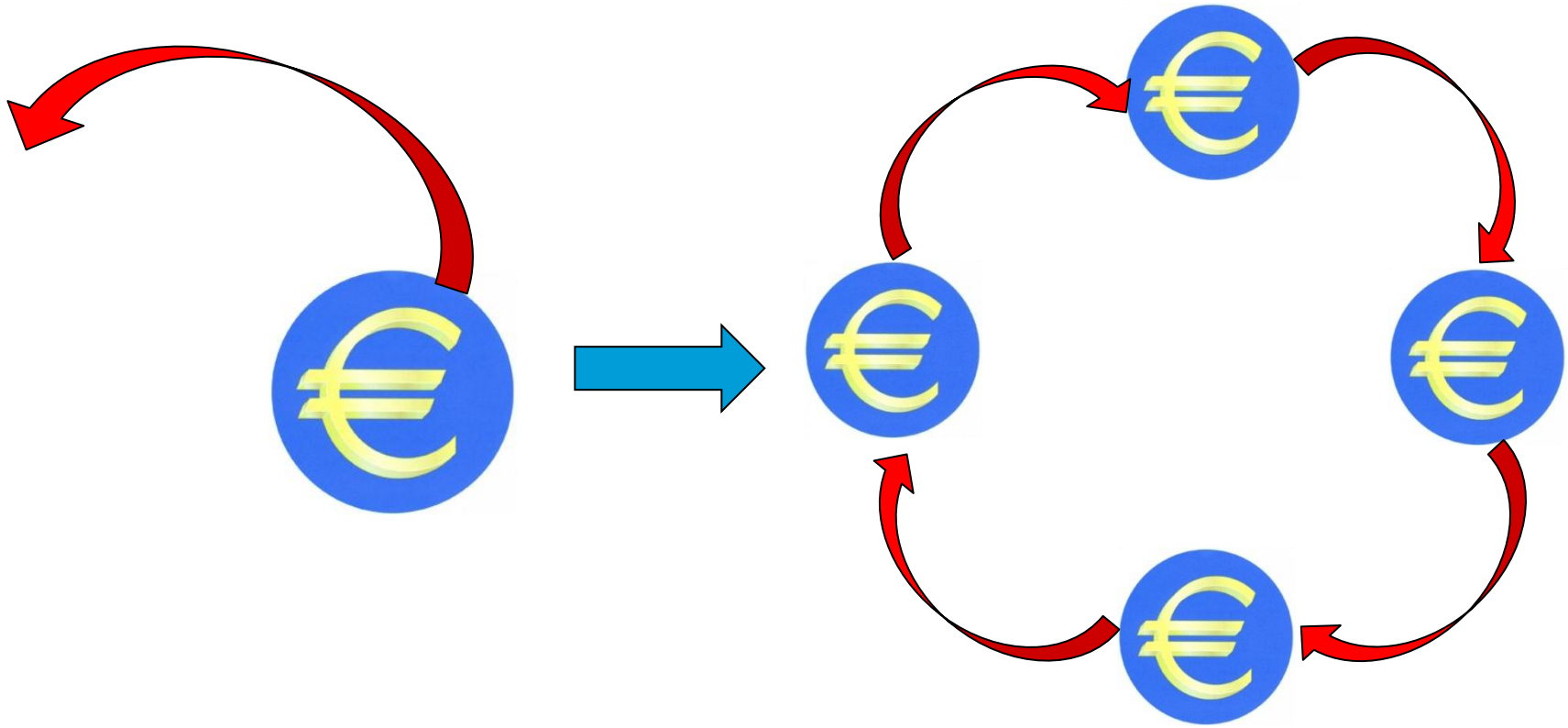
3 - Rethinking finance / *Razmatranje novih mogućnosti u fi nanciranju*



Exogenous **Endogenous**

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3 - Rethinking finance / *Razmatranje novih mogućnosti u fi nanciranju*

Proposal 3.4

- **Dedicate human capacities in financial engineering / *Osigurati ljudske kapacitete posvećene mehanizmima financiranja***

Vila Nova de Gaia, Portugal – *290,000 inhabitants*

The ELENA programme gives new impetus to Vila Nova de Gaia's ambitions!

- **E**uropean **L**ocal **EN**ergy **A**ssistance > technical and funding assistance to sustainable energy projects
- Feasibility and viability studies/ soft mobility and public lighting projects
- Set up a qualified in-house team of 7 people

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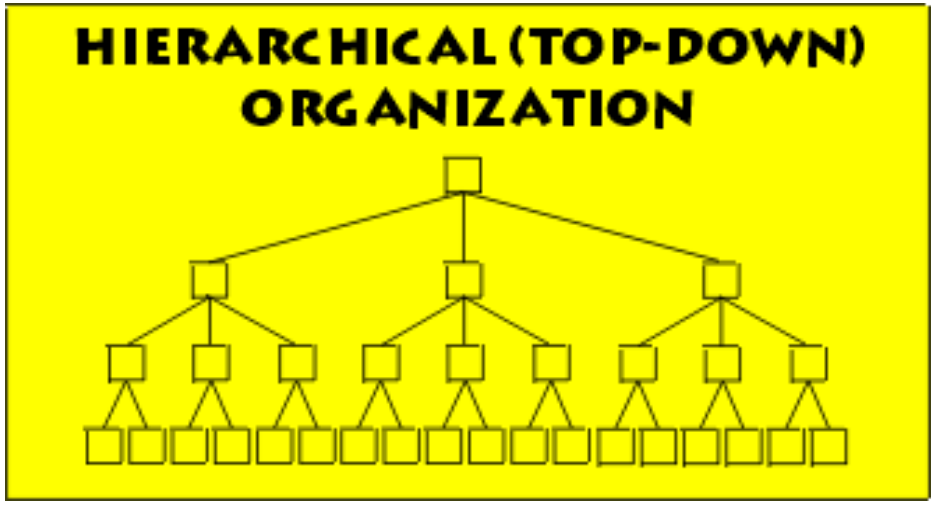
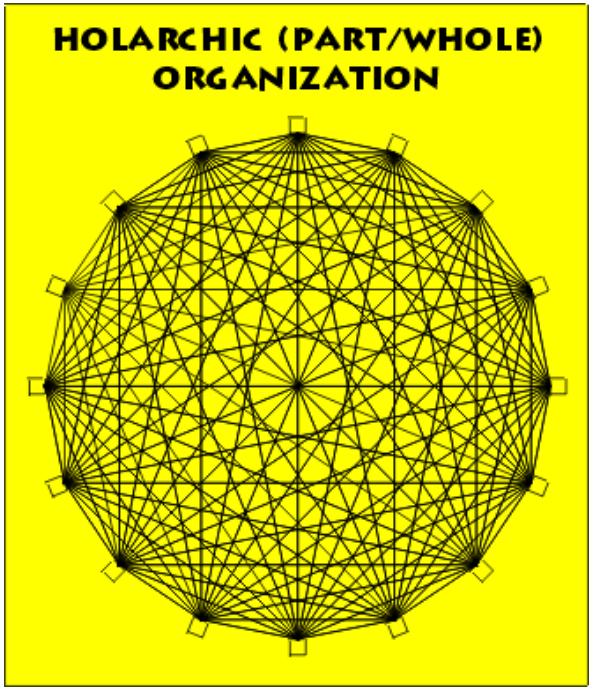
4 - Inventing a new local governance / *Osmišljavanje novog tipa lokalne uprave*





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4 - Inventing a new local governance / *Osmišljavanje novog tipa lokalne uprave*

Proposal 4.3

- **Prove that it works and create a snowball effect/ *Stvoriti efekt snježne lavine i dokazati kako isti funkcionira***

Besançon, France – *120,000 inhabitants &*
Freiburg-im-Brisgau, Germany *- 220,000 inhabitants*

200 families take action for climate!

- Training families to reduce their energy use and waste production
- Information and awareness-raising workshops with professionals, exchanges of experience, informal get-togethers, home audits, site visits and lending of measuring equipment, etc.

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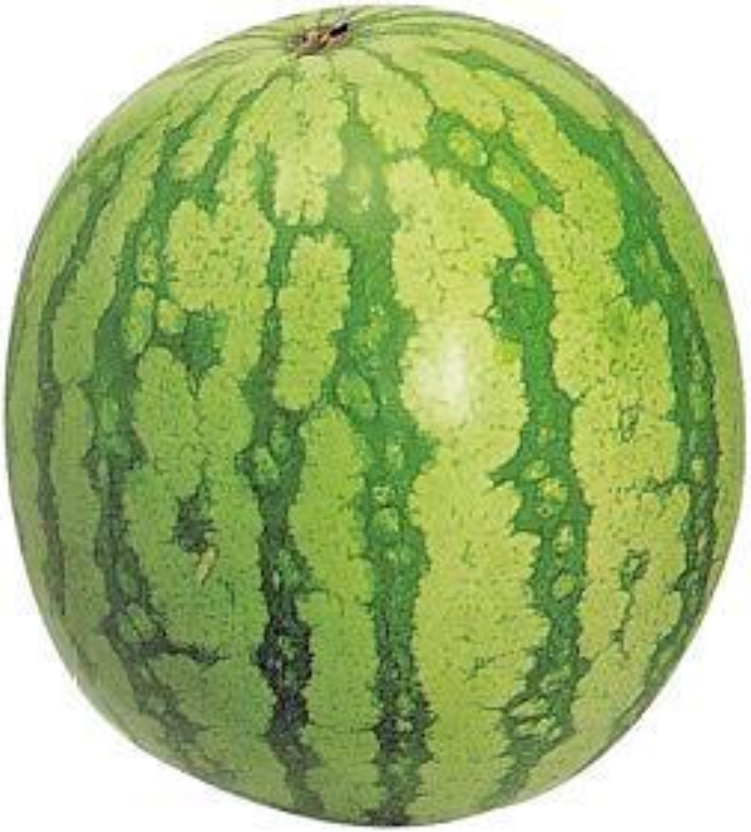
5 - Urban planning as a way of reducing energy use / *Prostorno planiranje kao mjera smanjenja potrošnje energije*



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5 - Urban planning as a way of reducing energy use / *Prostorno planiranje kao mjera smanjenja potrošnje energije*

Proposal 5.5

- **Transform railway stations into territorial structuring hubs / *Preobrazba željezničkih kolodvora u teritorijalna strukturirajuća čvorišta***

Utrecht, the Netherlands – *310,000 inhabitants*

The railway station of the future

- Major renovation programme together with the bordering historical city centre
- 360,000 daily passengers in 2030
- Facilitate intermodal transport: train, tramway, buses, bikes…
- Cultural facilities, hotels, business centres

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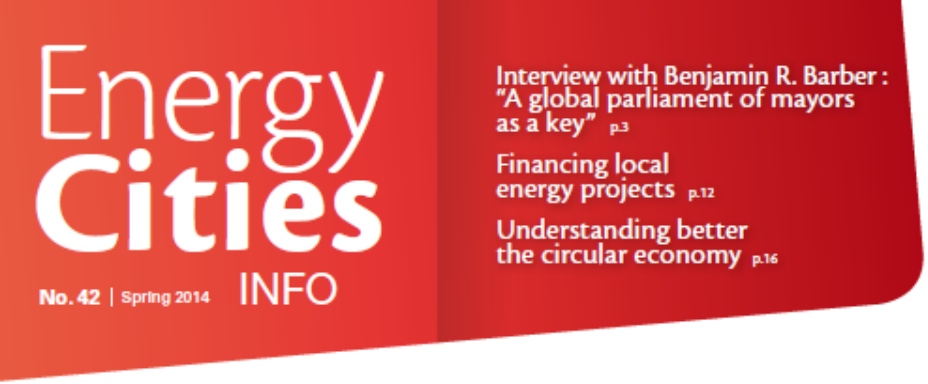
Discover more examples and share yours!

www.energy-cities.eu/30proposals

www.energy-cities.eu/wiki



Thank you!

Energy Cities, the European association of local authorities in energy transition

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