

Making the energy transition happen

*The power of cities – backed by a strong network*

ENERGYCITIES

[www.energy-cities.eu](http://www.energy-cities.eu)

Empowering conference,  
Miskolc, 25<sup>th</sup> June 2019

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@energycities  
@energycities.eu

# Energy Cities



**ENERGYCITIES**

## The European association

Of 1000 local authorities in their energy transition from 30 countries for 25 years

## Our vision:

Energy Cities want a radical transformation of the energy systems and policies, giving our citizens the power to shape a decentralised and renewable energy future.

## Our 3D vision

- Decentralisation
- Democratisation
- Divest (from fossils)

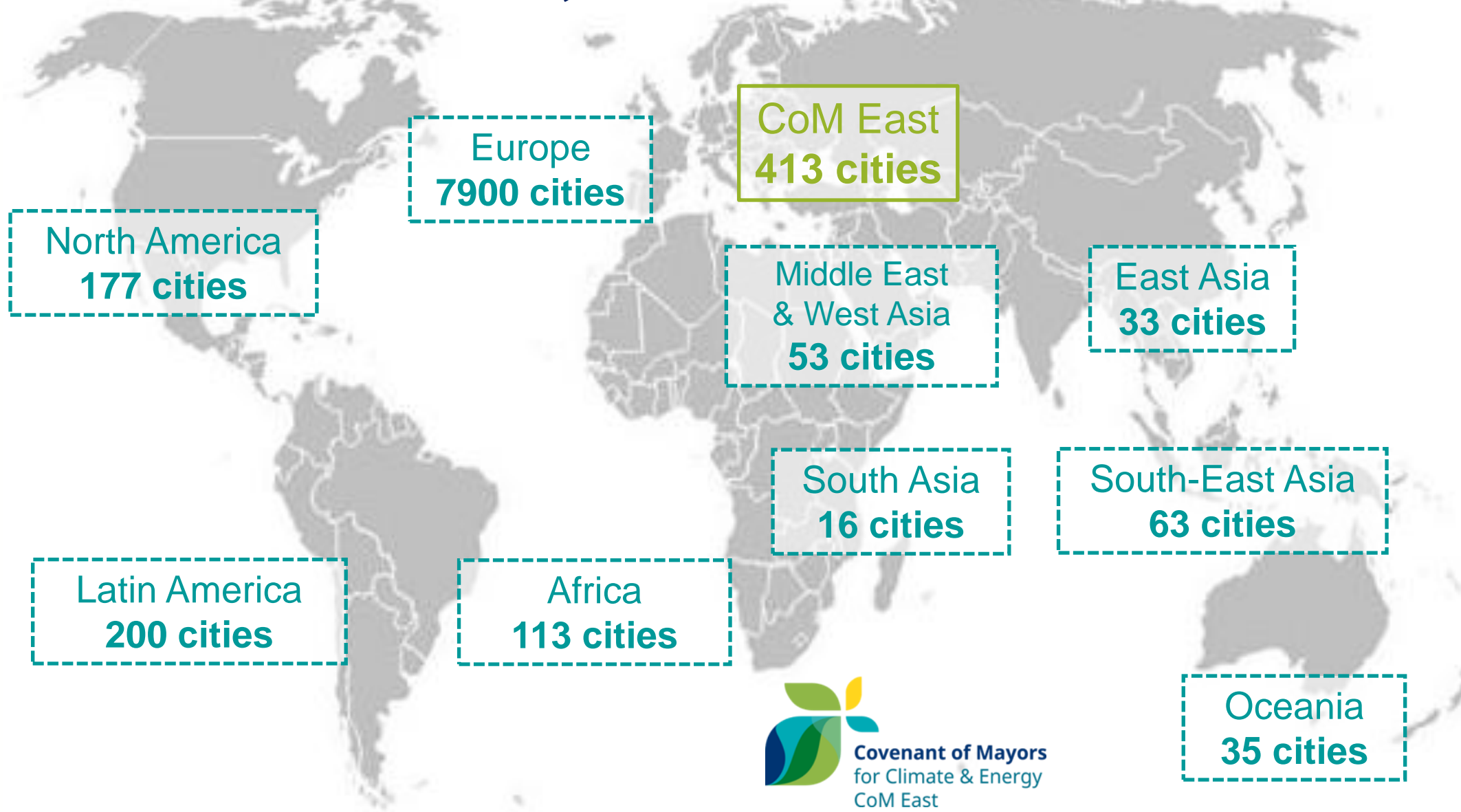
## Covenant of Mayors

Europe's and now the world's broadest movement of local authorities in climate mitigation. Energy Cities leads its office since 2008.



# The Covenant of Mayors in the world

## 127 countries – 9,000 cities - 770 mln inhab.



# Keeping politicians accountable

– *action by the youth*



When politicians say 'science does not have all the solutions yet' they mean 'science does not have all the solutions yet to keep living our luxury lives like we do and not destroy planet earth'.

#YouthForClimate



# Sound national commitments *needed to boost local action*

**Netherlands:** « Out of gaz »  
by 2040 government agreement

**Germany:** Phasing out coal  
by 2038

**Finland:** Net zero economy by 2045;  
out of coal and reduction of 50%  
of fossil fuel by 2030  
Helsinki: Climate neutral  
by 2035

**Hungary:**

*"Since the change of regime (1989)  
Hungary has reduced its carbon  
dioxide emissions by 32 percent,  
by 2030 the target is 40 percent,  
and **by 2050 the goal is total  
carbon neutrality**«*

*Laszlo Palkovics on 18th June 2019*

[https://nepszava.hu/3039842\\_harmincket-milliardos-naperomu-alapkovet-raktak-le-kaposvaron](https://nepszava.hu/3039842_harmincket-milliardos-naperomu-alapkovet-raktak-le-kaposvaron)

# Municipalities have what it takes to act

- *they just need to be empowered*



- ✓ Consumers
- ✓ Producers
- ✓ Legislators
- ✓ Motivators

# Energy Cities **mpowering** *municipalities in their energy transition*

© photo Nathalie Nizette



Covenant of Mayors  
for Climate & Energy

## Energy Cities

- Leads the Covenant of Mayors office
- Leader and partner in several European projects (H2020, Interreg, Life, etc.)
- Aiming to involve members in those to assist their
- Provides financing, expertise, knowledge transfer in various forms (workshops, webinars, peer-coaching etc.)



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FINANCING ENERGY TRANSITION IN CITIES







# Bistrita (RO)

EASY city-  
vision for  
2050





# Bistrita (Romania) 75 000 inhabitants



Bistrița is working towards the “*Environmental Sportive Energy City 15MWh*” (EASY City Bistrița) by:

- limiting the increase in energy consumption to 15 MWh/inhab./year
- producing 50% of the energy need from local renewable sources)
- promoting EE and an energy-savings label in Bistrița

Sets out an energy roadmap for Bistrita by 2050 in 3 phases:

- ✓ **Phase 1 - 2014-2020:** Reduction of carbon-based energy consumption, especially in heating of buildings and mobility. Promote energy innovation and local energy production.
- ✓ **Phase 2 2020-2030:** Stabilization of development through completion of the measures of the Local Development Strategy in 2030. Monitoring measures, to extend the local energy production from renewable energy sources.
- ✓ **Phase 3: 2030-2050:** Conversion from Bistrita to the EASY City with over 50% energy inhouse production on the basis of renewable energy

[http://www.energie-cites.eu/db/Bistrita\\_imagine\\_local\\_energy\\_roadmap\\_2050\\_2014\\_en.pdf](http://www.energie-cites.eu/db/Bistrita_imagine_local_energy_roadmap_2050_2014_en.pdf)



Litoměřice  
(CZ)

Revolving  
fund for  
municipal  
investments

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# Litomerice (Czech Rep.) 25 000 inhabitants



Litomerice aimed at using its limited municipal funds intelligently and motivate municipal buildings for energy efficient operation

- ✓ Established in 2014. The municipality allocates EUR 69.000/year for a revolving fund from the municipal budget – depending also on the savings
- ✓ 20% energy savings by 2030 expected based on 2013 baseline
- ✓ Energy savings fuelled the fund and motivated further savings as follows:
  - 35% of savings back to the budget
  - 30% into the revolving fund
  - 30% remained with the investing energy saving institution (eg. schools)
  - 5% was used to operate the fund

[http://www.energy-cities.eu/IMG/pdf/guidebook\\_intracting\\_web.pdf](http://www.energy-cities.eu/IMG/pdf/guidebook_intracting_web.pdf)





# Brasov's (RO)

District  
heating  
strategy  
integrating  
renewables



# Brasov (Romania) 196.000 inhabitants



(H2020, 2015-17):

As key partner of the project  
Brasov aimed at developing  
its district heating strategy  
integrating energy efficiency  
and renewable energy  
sources along with the  
related regulations

6 partners from  
AT, DE, CZ, DK, PT, RO

- ✓ led by ABMEE, the energy agency of Brasov, the city could map the heating and cooling demand and supply of the whole city
- ✓ Prepared an integrated DH action plan integrating RES and energy efficiency

[http://www.progressheat.eu/IMG/pdf/progressheat\\_d2.1\\_factsheet\\_brasov.pdf](http://www.progressheat.eu/IMG/pdf/progressheat_d2.1_factsheet_brasov.pdf)





# Ivanic Grad's (HR)

Living  
streets





# Ivanic Grad (Croatia) 14.000

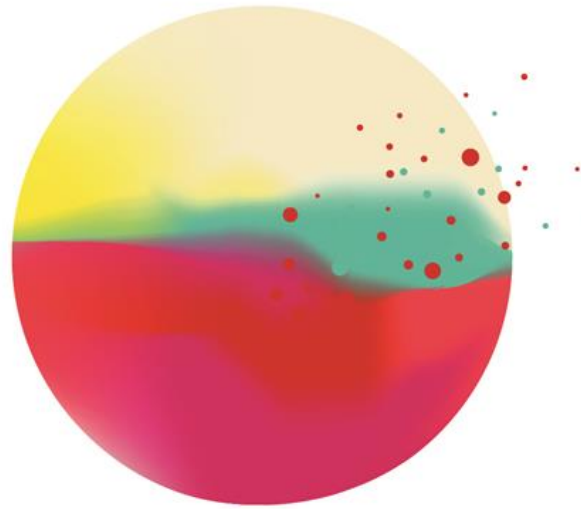
in the ...



Aimed to prepare the ground for the creation of a pedestrian city centre, promote bicycles, support local production and consumption and **encourage circular economy.**

- ✓ Urban gardening: the municipality distributed 100 urban gardening sets and encouraged local production
- ✓ Towards car free city centres; the municipality carried out experimental zones, public consultation and analysed results to prepared a political decision
- ✓ The municipality worked with local businesses and citizens and is moving from a top down approach to a bottom-up and co-creative one

[http://www.energie-cites.eu/db/LS\\_Ivanic+Grad.pdf](http://www.energie-cites.eu/db/LS_Ivanic+Grad.pdf)



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Thank you for your attention!

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