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Resilient nations.*

Implementation of LEDS and NDCs at Local & Regional Level

Current Engagement in EaP Countries & Entry Points

13 June 2023, Zoom Webinar

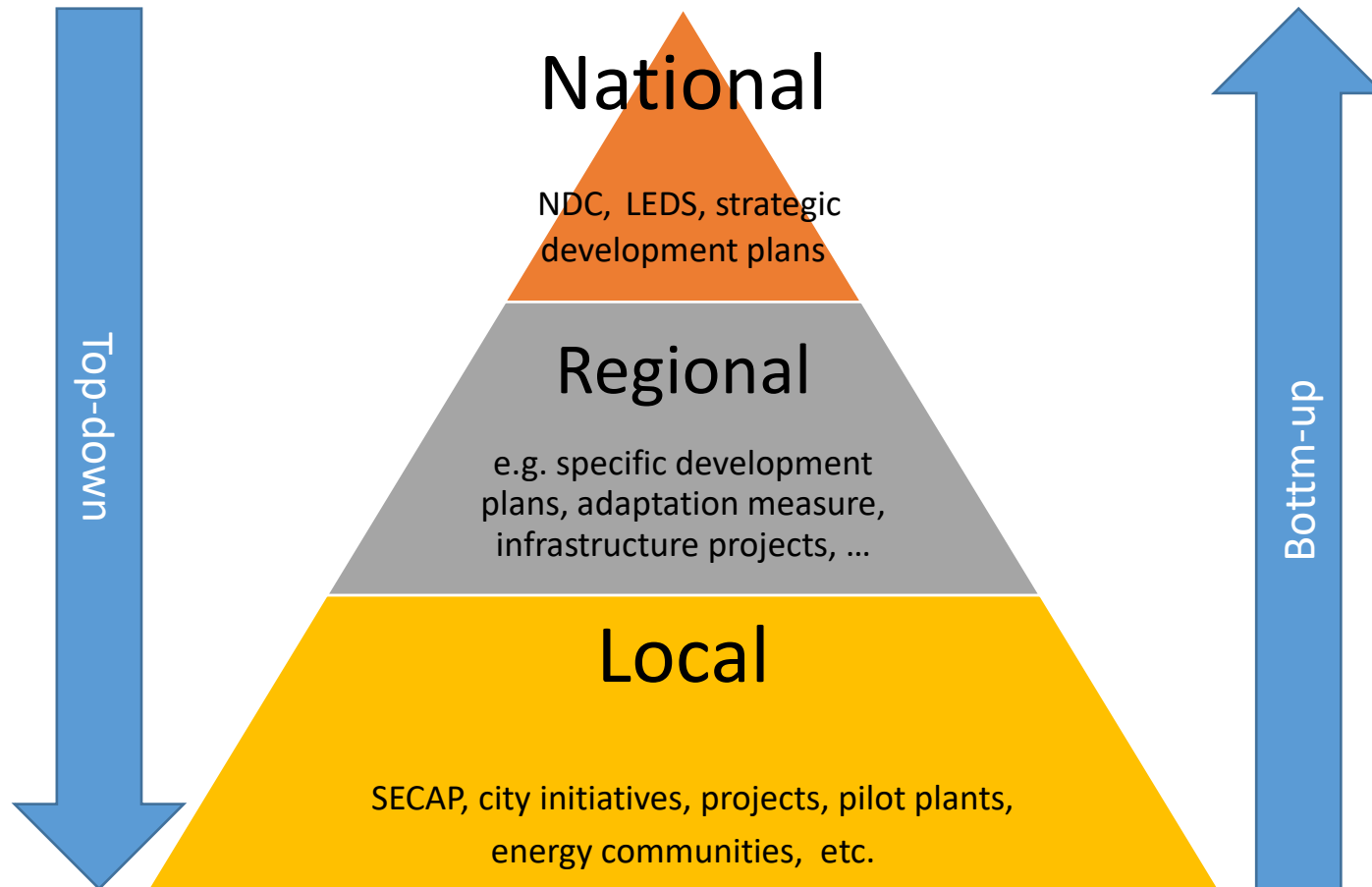
By Elisabeth Kampel (Consultant to the EU4Climate project)

Outline



1. Vertical Mainstreaming
2. Local action: Challenges & Opportunities
3. Current status of engagement
4. Entry points for implementing NDC/LEDS on local level

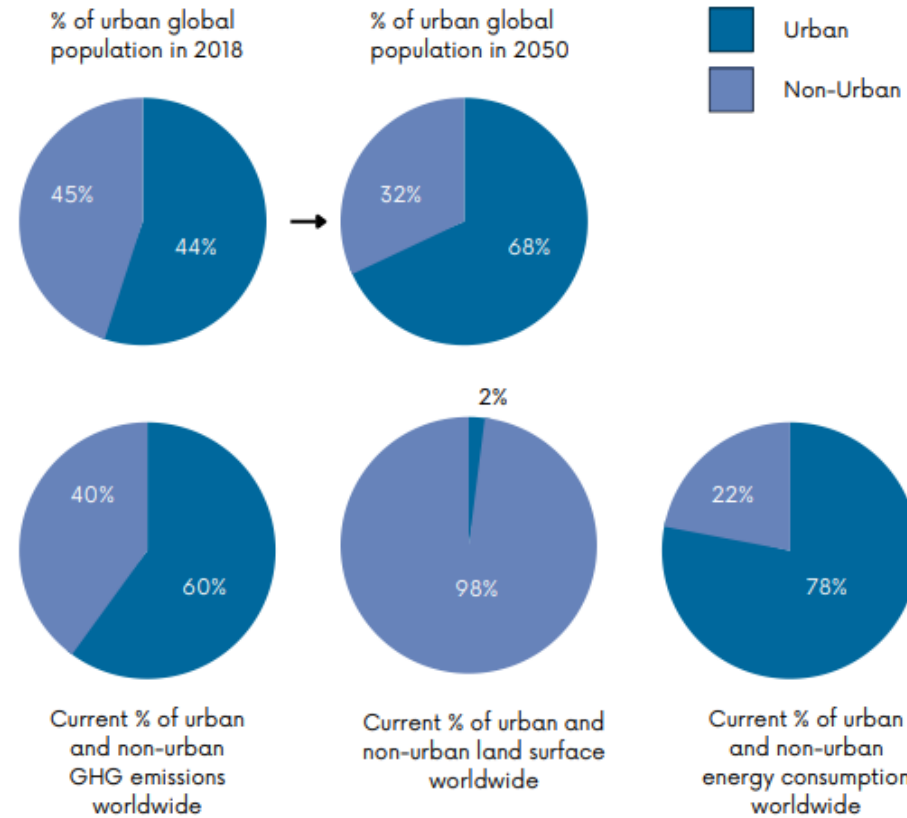
Vertical Mainstreaming



Cities as Key Action Area



- More than 50% of population lives in Cities
- This number is increasing!!



- 60% of emissions are „urban“
- 80% of energy is consumed in cities
- 2% is urban landface

Source: UNDP, Climate Action from the Ground Up, Supporting Cities and Local and Regional Governments to Achieve the Paris Agreement 2022

Challenges for local action



- Communication of national objectives
- Engagement of regions and communities
- Establish coordination mechanism
- Development of Locally tailored approaches
- Lack of awareness about financing options
- Development of bankable projects
- Data collection and monitoring
- Insufficient administrative capacity and technical knowledge
- Regulatory constraints
- Get the citizens on board

Opportunities for local action



- Replicable solutions
- Address vulnerable groups
- Increased awareness and interest of civil society (local leadership)
- Increased energy, food and water security
- Food and water security
- Mitigation AND adaptation through nature based solutions
- Boost for local economies
- Private sector engagement
- Citizen's well being & community life
- Down to earth actions

Local Action supports SDGs



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1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



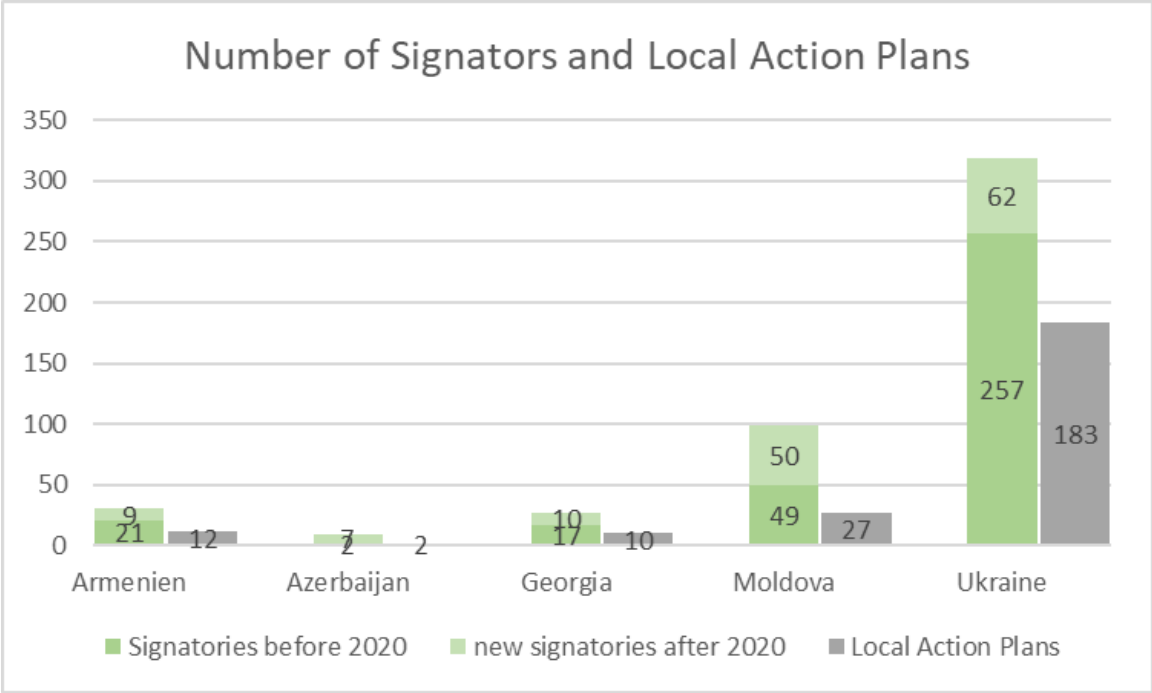
17 PARTNERSHIPS FOR THE GOALS



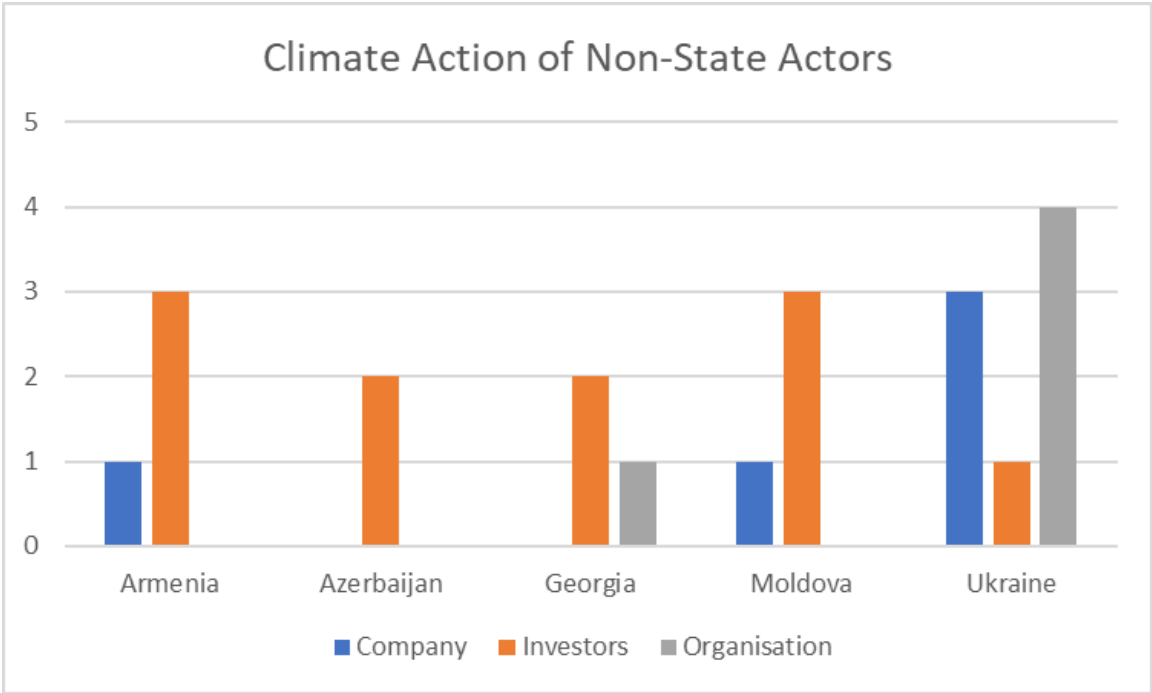
Current status of engagement



Covenant of Mayors



Global Climate Action Portal



Infrastructure Projects and Investments

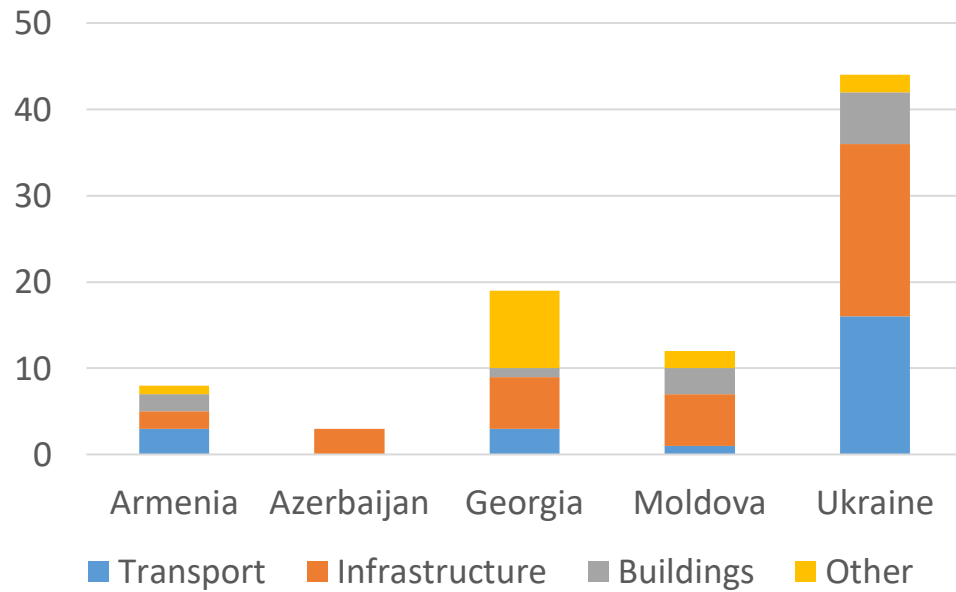


Action funded by the
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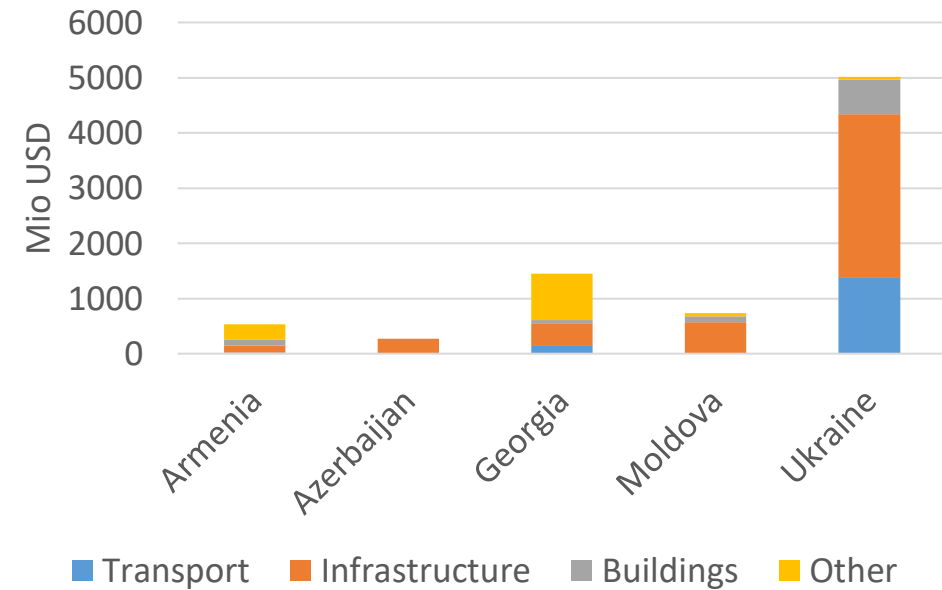


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Number of projects



Infrastructure Investments 2015-2021



Implementing NDC/LEDS on local level



- LEDS as the overarching ambition are the framework for NDCs
- NDC formulate targets, and do mostly not specify concrete implementation actions
 - Formulation of sectoral objectives and (quantified) targets
- Implementation roadmaps are key:
 - Who needs to do what and by when? – National Climate Action Plan
 - What can regions/municipalities deliver?
 - Which regions are specifically vulnerable?
 - Where are the low-hanging fruits? (effective & efficient measures)
- Not only mitigation but also ADAPTATION

Entry Points for energy and heat production



- Dezentralised renewable energy generation (windpower, PV, biogas, heat pumps, biomass, ...)
- Energy infrastructure: power stations, smart grids, connection
- Energy communities (Prosumer concept)
- District heating and cooling networks
- Exchange of residential fossil fuel based heating systems
- Prevent fugitive emissions (natural gas leakages)
- Energy storage facilities
- Electrification
- Climate resilient energy infrastructure

Entry Points for energy consumption



- Energy Certificates for Buildings
- Insulation of old buildings (roofs, windows, walls)
- Natural shading concepts (nature-based solutions)
- Regulations for new buildings
- Digitalisation (smart metering)
- Electrification
- Street lightening
- Sector coupling

Entry Points for transport sector



- Attractive emission-free public transport
- Electrification
- Parking restrictions or taxing
- City taxes
- Shared mobility concepts
- Safe pedestrian and cycling paths
- Urban planning for people and not for cars
- Digitalisation

Entry Points for agriculture sector



- Nature based solutions: no tillage, crop rotation, organic farming
- Adapted plant species
- Climate smart irrigation systems, renaturation of rivers
- Local food markets
- Local Cooperatives for food processing, shared machinery
- New technologies, e.g aquaponic systems
- Manure management and biogas use
- Agro-tourism
- Agro-forestry
- Maintain rural areas and landscapes

Entry Points for forestry and land use



- Restoration of ecosystems
- Reforestation
- Sustainable forest management
- Eco-system based solutions
- Conservation of areas
- Sustainable spatial planning, reduce urban sprawl
- Biodiversity projects
- Prevention of forest fires

Entry Points for waste management



- Sanitation of landfills / illegal dumping sites
- Landfill gas collection systems
- Waste water collection systems
- Separate waste collection systems
- Biological waste treatment
- Waste to energy projects
- Circular economy projects (e.g. repair projects)

Entry Points for adaptation



- Vulnerability assessment
- Disaster risk management (e.g. floods, droughts)
- Early warning systems
- Emergency plans
- Climate resilient infrastructure (energy, transport, water, ...)
- Climate resilient health infrastructure
- Monitoring systems for e.g. diseases, invasive species, biodiversity
- Use of adapted species

Why do we need local engagement?



Main objective may not be the climate,
but other economic, social or
environmental problems!

It empowers citizens and
supports their well-being.

Thinking and acting at a local level
helps communities fight climate change,
build resilience to climate impacts,
and provide opportunities for the local economies.

Communities can build of powerful local alliances
with businesses, NGO, people, educational
institutions, etc.

Thank you for your attention!

For further information, please contact:

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Implementation of LEDS and NDCs at Local & Regional Level

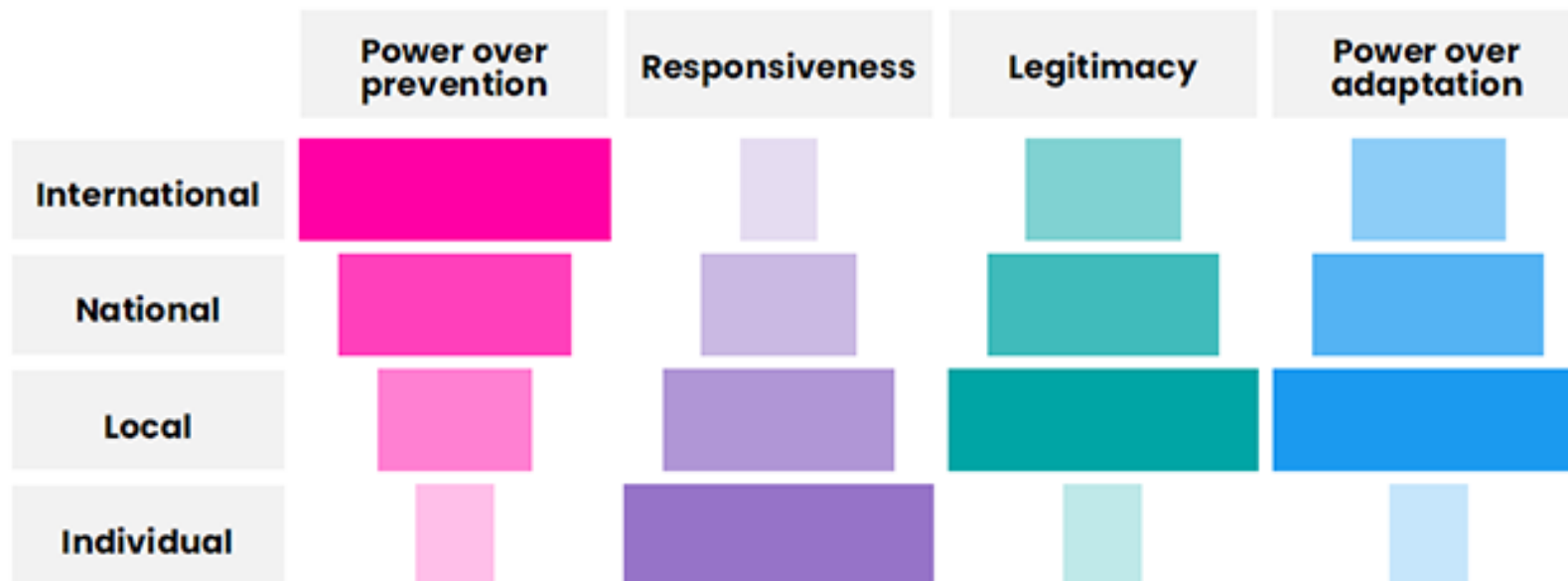
Recommendations for Vertical Integration of Climate Action

13 June 2023, Zoom Webinar

By Elisabeth Kampel (Consultant to the EU4Climate project)

Different Scales of Action

Figure 1: The relative advantages of different scales of climate action (darker shades/greater size indicate strength)



Source: Tiratelli, Studdert, Morgan: Communities versus climate change, The power of local action, New Local, 2021

Recommendations: national level (1/3)



Multi-level communication and collaboration

- Translate and communicate global and national goals
- Align national and subnational climate policies, strategies and investment
- Governance system – Climate Change Council
- Enable whole-of-society and whole-of-government approach
- Develop implementation roadmaps and action plans
- Identify priority areas for local climate action
- Establish coordination platform
- Engage with international funding institutions
- Appoint a “vertical” climate cooperation officer

National Action Plan



- What are the policies and measures?
 - Who is responsible for its implementation?
 - What are the implementation steps and timeframe?
 - What are the costs and how will it be financed?
 - At what level will it be implemented?
 - What are the benefits?
 - How is progress being tracked?
-
- What does it mean for Municipalities?
 - How can or should they contribute to achieve national targets?

Recommendations: national level (2/3)



Provide technical assistance and capacity building

- Establish Climate Change Cooperation Platform
- Engage scientific bodies/technical experts
- Establish a roster of national experts and businesses
- Capacity building in accessing funds and developing bankable projects
- Inform about available national and international funding sources
- Showcase good practise examples (e.g. with Awards)
- Support networking across communities

Recommendations: national level (3/3)



Monitoring-reporting-verification

- Make environmental and other data publicly available
- Provide Data Management Systems - tools, templates, sharepoints
- Support collection of data at local level
- Establish common reporting framework
- Include local plans and progress in national planning/documentation
- Ensure that local actions is a key component in NDCs

Recommendations: Local Level (1/3)



- Know the local strengths and weaknesses
 - Carry out a risk & vulnerability assessment
 - Identify key emission sources (e.g. heating, transport, ...)
 - Other economic, social or environmental challenges?
- Ensure coherence in policies
 - Engage in communication with national bodies
 - Embed the local action in the national strategies
 - Mainstreaming of policies
- Engage the local stakeholders
 - Citizens
 - educational institutions
 - Private sector, businesses
 - NGOs, ...

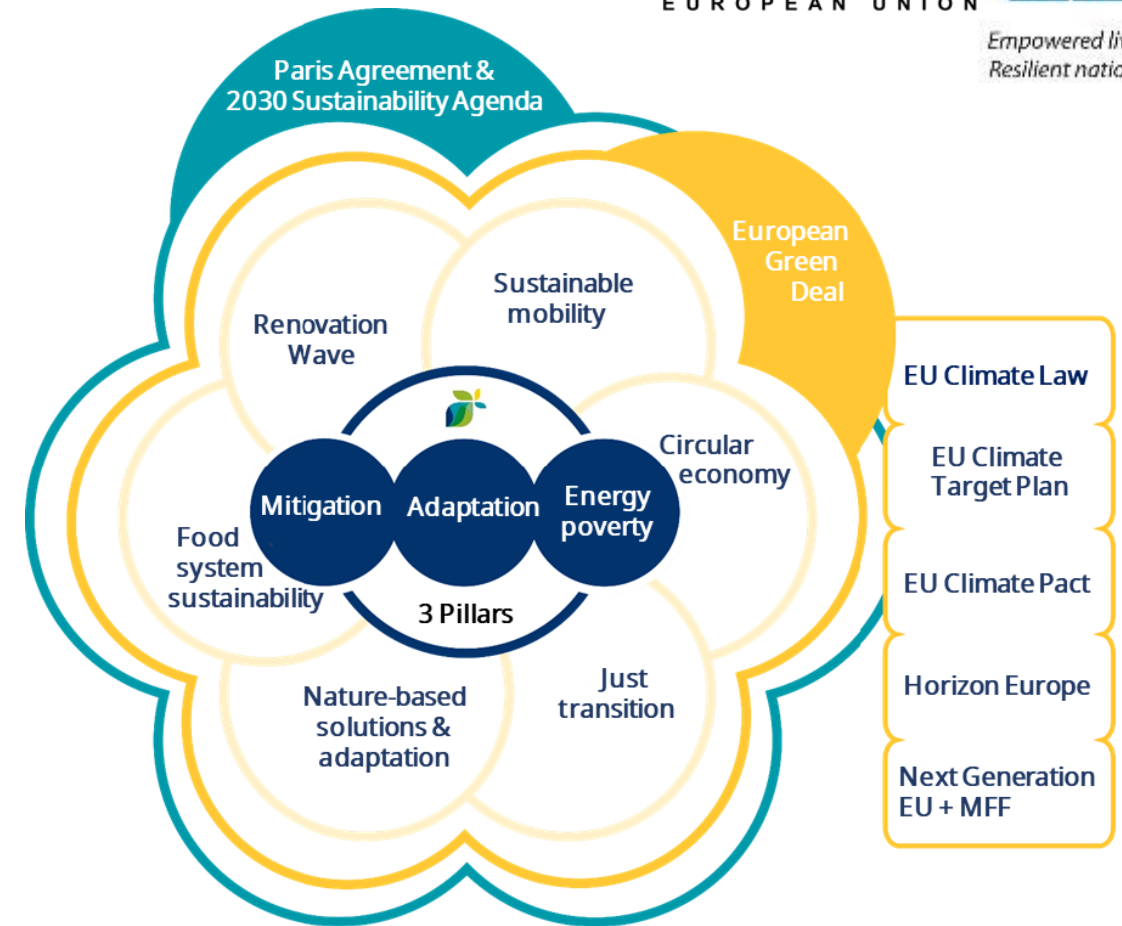
Recommendations: Local Level (2/3)



- **Join the Covenant of Mayors**, become a signatory



- Develop a **Sustainable Energy and Climate Action Plan** by using the CoM Guidebook
- Make use of the resources and network opportunities
- Shape a project pipeline as a basic requirement for funding
- Establish local MRV structure and capacity
- Exchange and share knowledge with other municipalities



Source: <https://eu-mayors.ec.europa.eu/en/about>

Recommendations: Local Level (3/3)



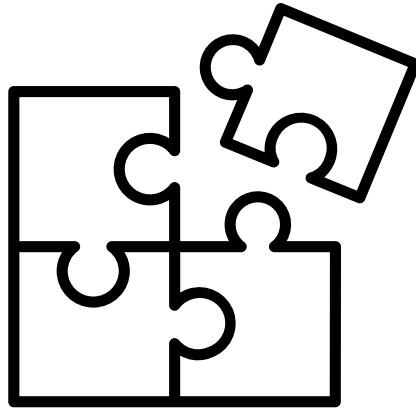
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- Get the citizens on board, listen to their needs
- Allow for participatory and inclusive approaches
- Raise awareness and inform about climate change, its impacts and ways to fight it
- Integrate vulnerable groups (children, minority groups, elderly, ...) and enable gender equality
- Address multiple benefits, e.g. reduced air pollution, energy security, ...
- Seek the assistance from (local) experts
- Strengthen community life & well-being
- Look for sustainable, multi-beneficial, climate-smart, replicable and scalable solutions

Joint Action



Combine bottom-up and top-down efforts!



Every part makes a difference!

Thank you for your attention!

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