Local Governments for Sustainability EUROPE

Connect • Innovate • Accelerate

EXPERIENCES OF NATIONAL APPROACHES TO ADAPTATION

Implementation of Urban Adaptation – Examples from European Cities

Vasileios Latinos, Wednesday 31 March, 2021

OUTLINE

1. ABOUT ICLEI
2. ICLEI'S RESILIENT DEVELOPMENT PATHWAY
3. URBAN ADAPTATION GOOD PRACTICES
4. DISCUSSION

1. ABOUT ICLEI

INTRODUCING ICLEI

ICLEI - Local Governments for Sustainability is a global network of more than **1,750 local and regional governments** committed to **sustainable urban development**.

Active in 100+ countries, we influence sustainability policy and drive local action for low emission, nature-based, equitable, resilient and circular development.

1750+ LOCAL AND REGIONAL GOVERNMENTS

22 OFFICES WORLDWIDE

ACTIVE IN 100+ COUNTRIES

IMPACTING MORE THAN 25% OF THE GLOBAL URBAN POPULATION

AND MORE THAN 20% OF THE GLOBAL URBAN POPULATION

5 INTERCONNECTED DEVELOPMENT PATHWAYS

THE FIVE ICLEI PATHWAYS

LOW EMISSION DEVELOPMENT

NATURE-BASED DEVELOPMENT

EQUITABLE AND PEOPLE CENTERED DEVELOPMENT

RESILIENT DEVELOPMENT

CIRCULAR DEVELOPMENT

The **FIVE ICLEI PATHWAYS** reflect ICLEI's approach to achieving a sustainable city as well as local contributions to implementing the goals laid out in international frameworks such as the Sustainable Development Goals.

ICLEI AROUND THE WORLD

SERVING OUR NETWORK FROM 22 OFFICES AROUND THE WORLD

OUR MEMBERS

Our members participate in ICLEI projects that support and enable them to achieve success in sustainable development. ICLEI connects cities and facilitates experience-sharing so that successes can be replicated.

Ambitious

Many Members have measures in place to achieve **net-zero carbon emissions** by 2050 or sooner

35+

We have Members from **over 35** European countries

Lisbon (Portugal)

50% ↓ CO2 emissions;
23% ↓ energy consumption

Bologna (Italy)

16% ↓ in water consumption;
55% ↑ in separated waste collection

Ljubljana (Slovenia)

75% of the city is green areas;
65% of waste is separately collected

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Local Governments for Sustainability
EUROPE

European Urban Resilience Forum

where cities discuss urban adaptation and resilience

- Annual mobile event, next edition to take place **19-20 October 2021 - Malmö, Sweden** (hybrid event)
- 2021 focus on Scandinavian Cities Hub
- Indicative thematic topics: green recovery and financing, health and well-being, biodiversity for low-carbon development and coastal adaptation planning

ICLEI Europe involvement in European Commission initiatives
REGIO
Energy
CLIMATE
International Urban Cooperation
IUC
EIP Marketplace
Energy
TC 465 Sustainable Cities and Communities (Chair)
CEN
CENELEC
ETSI
European Standards Organizations
Over 70 H2020 projects
HORIZON 2020
CLIMATE
Energy
European and Global Covenant of Mayors
GLOBAL COVENANT of MAYORS for CLIMATE & ENERGY
Energy
CCIRIT Platform
Platform for Coal Regions in Transition
MOVE
European Mobility Week
EUROPEANMOBILITYWEEK
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EUROPE
MOVE
CIVITAS
2020
CIVITAS
ELEVATE
ENV
EU Green Public Procurement Helpdesk
ENV
Green City Accord
ENV
Network Nature NBS Platform
GROWTH
Big Buyers Initiative
DIGITAL
Intelligent Cities Challenge

2. ICLEI'S RESILIENT DEVELOPMENT PATHWAY

ICLEI's sustainability model for cities

ICLEI Local Governments for Sustainability EUROPE

GreenClimateCities
LOW EMISSION. LOW RISK. LIVEABLE!

www.iclei.org/activities/agendas/low-carbon-city/gcc.html

THE FIVE ICLEI PATHWAYS

Low Emission Development Pathway
curbs climate change, creates new economic opportunities and improves the health of human and natural systems.

Nature-based Development Pathway
protects and enhances the biodiversity and urban ecosystems, which underpin key aspects of local economies and the well-being and resilience of our communities.

Circular Development Pathway
and new models of production and consumption build sustainable societies that use recyclable, sharable and replenishing resources to end the linear model of *produce*, *consume*, *discard*.

Resilient Development Pathway
anticipates, prevents, absorbs and recovers from shocks and stresses, especially those brought about by rapid environmental technological, social and demographic change, and to improve essential basic response structures and functions.

Equitable and People-centered Development Pathway
builds more just, livable and inclusive urban communities and addresses poverty.

Resilient Development

The ability to "anticipate, prevent, absorb and recover from shocks and stresses, in particular those brought about by rapid environmental, technological, social and demographic change, and to improve essential basic response structures and functions"

ICLEI. (2018). The ICLEI Montréal Commitment and Strategic Vision 2018 – 2024. https://worldcongress2018.iclei.org/wp-content/uploads/The ICLEI Montréal Commitment.pdf

CONSULTANCY & TRAINING

We provide **training, consultancy services** and **study visits** for cities who wish to further advance in achieving a sustainable future.

Topics include:

- assessment and development of urban resilience strategies
- integrated management
- development of climate adaptation strategies
- nature based solutions strategies, green and blue infrastructure
- sustainable energy and climate action plans
- sustainable public procurement
- digital solutions

… work with other European cities to find solutions to common challenges

Climate change

Critical infrastructure resilience

Social cohesion

… gain the co-benefits of urban adaptation action in cities

support livelihoods and the local economy

improve citizens' quality of life

use resources more efficiently

improve preparedness and response mechanisms

enhance multi-sectoral cooperation and governance

Brenda the Civil Disobedience Penguin is in Poland at COP24 the World Climate Talks
Smażony karp!
KLIMATET
The UN Climate Conference commissioned a report from the International Panel on Climate Change that says "to limit global warming to 1.5C the world has until 2030 to cut greenhouse gas emissions by 45%"
CO² related Hotness
EARLIER
RECENTLY
NOW
SOON
And how has the Climate Conference responded to the report they commissioned? They have been arguing forever over whether they should "welcome" or "note" the report. Apparently this makes a huge difference. It is why the four main oil countries: Russia, USA, Saudi Arabia and Kuwait are insisting on "note".
Well actually...
COP24
USA

3. URBAN ADAPTATION GOOD PRACTICES and PROJECTS

SOURCE: M. VERHILLE / Mairie de Paris

Malarce Dam PKW. SOURCE: Climate-ADAPT

reDuna project, ALMADA. SOURCE: S.Joao da Caparica 2015

Cannes, France

- Implementation of marine biodiversity actions, including the establishment of fish nurseries in its ports
- Installation of *"The sea begins here"* plaques near rainwater outlets.
- Of particular note is the development of a Charter for Sustainable Cruises in the Cannes Bay

Warsaw, Poland

- **Main adaptation challenges:**

rain water management

urban heat island effect

- **Main public health challenges:**

air quality

- **Main adaptation and mitigation goals by 2030**

CO2 emission reduction

apply a system approach to develop green and blue infrastructure

2011 SEAP

2019 Adaptation Strategy

2020 SECAP

Warsaw, Poland

ACTION POINTS

- Create **water retention systems** in the city – to regenerate and upgrade water reservoirs and green spaces in order to improve retention capacity
- **Transform degraded land into green spaces**
- Create and support the development of the **infrastructure** that contributes to **cooling** the environment, such as green roofs and walls as well as other vertical green structures
- Promote among the residents the idea of creating "**balcony gardens**"

THE CLIMATE CHANGE ADAPTATION STRATEGY FOR THE CITY OF WARSAW BY 2030 WITH THE PROSPECTS UNTIL 2050

URBAN ADAPTATION PLAN

Project LIFE_ADAPTCITY_PL co-funded from the funds of the European Commission financial instrument LIFE+ and the National Fund for Environmental Protection and Water Management

Co-benefits of NBS

carbon sequestration

vegetation affects air quality mainly through the removal of air pollutants (PM10, NO2, O3, CO, SO2)

reducing temperature

spatial location of green roofs in Warsaw

MADRID, SPAIN

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MADRID, SPAIN

MADRID, SPAIN

POLLINATORS

Good practices- **BEE PATH, LJUBLJANA (SLOVENIA)**

ČEBELJA POT

Location: Ljubljana, Slovenia
City population: 279,624
Project duration: 2015 - ongoing
Project cost: Unknown
Financing source(s): Public local authority's

13 CLIMATE ACTION
8 DECENT WORK AND ECONOMIC GROWTH
15 LIFE ON LAND
12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Aim - *Developing consciousness on the importance of the bees for life, teaching-learning about the tradition of the beekeeping in Ljubljana and Slovenia, supporting indigenous Carniolan honey bee with urban bee hives.*

COVID Outbreak – Challenging Municipal Services (from recent EBRD study on 'GCAP cities'

- **Notable impacts in municipal infrastructure sectors**;
  transport, health and education are the most affected sectors; less important impacts on energy, water and waste management.

- **Lack of coordinated action for crisis response and management**;
  lack of guidance documents and established processes

- **Arising inequalities**, including where in a city a person lives and works and a person's gender or age and referring to access to health supplies, facilities and resources and supporting the urban poor and vulnerable groups

- Putting **pressure on already existing problems**
  (lack of adequate housing, energy poverty, homelessness, environmental degradation and more)

- **Municipal revenues plummet** due to forced cutting of services and citizens' inability to pay the bills, lack of strategies for operating with limited resources

Izmir, Turkey - disaster readiness transferred to a pandemic

- ‘Crisis Municipalism’ management model approved in March 2020; increased social solidarity aspects
- COVID-19 resilience action plan developed during the first months of the pandemic
- Coordinated use of ICT and portals for communication with citizens and vulnerable groups (from delivery of food and supplied door-to-door to regular updates for the whole population)
- Financial impacts dues to extension of payments, and infrastructure instalment to inadequate households
- Impact on municipal services low due to early and effective measures

Source: https://ww.dailysabah.com

The adaptation action so far…some positive impacts

- Collaboration on **various levels** (city-to-city, city-to-region, city-to-researcher, researcher-to-researcher)
- Interactions have to some extent contributed to shaping the adaptation research direction and results – also forcing researchers and practitioners to communicate their work in a **more accessible** way
- **Relationships** with local research partners important capacity-building element and expected to continue past life of project

…but more work needed

- City representatives generally operating alone – how to better support stakeholder engagement across departments?
- Knowledge transfer still largely perceived as one-directional
- **Mismatches of time cycles** – political and research
- Difficulty **engaging** stakeholders, power imbalances, intellectual property
- **Lack of capacity**, political commitment, time and resources
- How to **prioritize funding** when priorities are always changing?

CONTACT

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