Resilience Planning Made Easy – an ICLEI Planning Cycle

28 June 2019

THE FIVE ICLEI PATHWAYS

The **FIVE ICLEI PATHWAYS** towards low emission, nature-based, equitable, resilient and circular development are designed to create **SYSTEMIC CHANGE**. The pathways are a framework for designing **INTEGRATED SOLUTIONS** that balance the patterns of human life and the built and natural environments.

RESILIENT DEVELOPMENT PATHWAY

RESILIENT DEVELOPMENT

The resilient development pathway anticipates, prevents, absorbs and recovers from shocks and stresses, especially those brought about by rapid environmental technological, social and demographic change.

https://iclei.org/en/our_approach.html

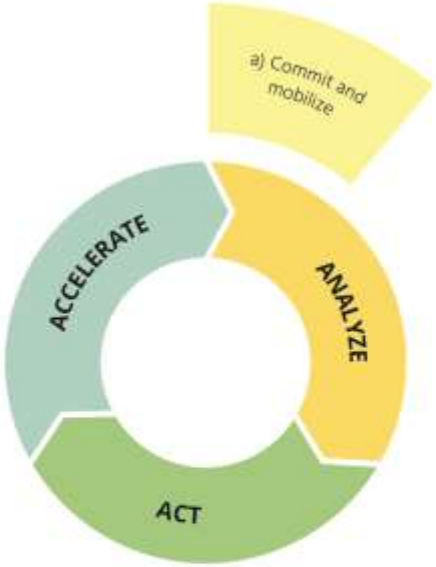
A Family of methodologies

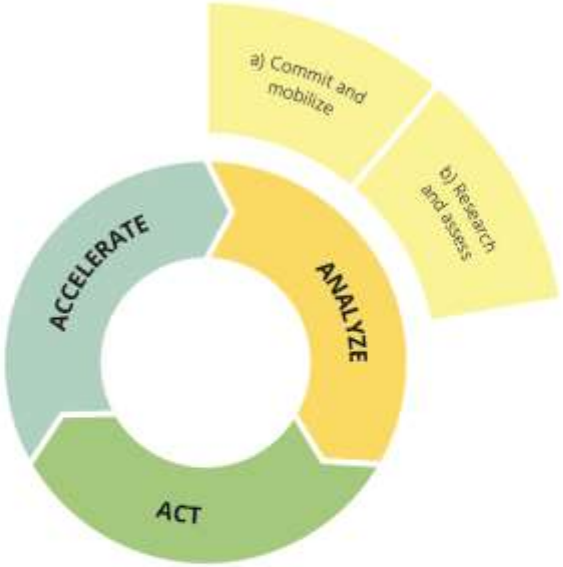
Green Climate Cities

Nature Pathway

Urban Resilience

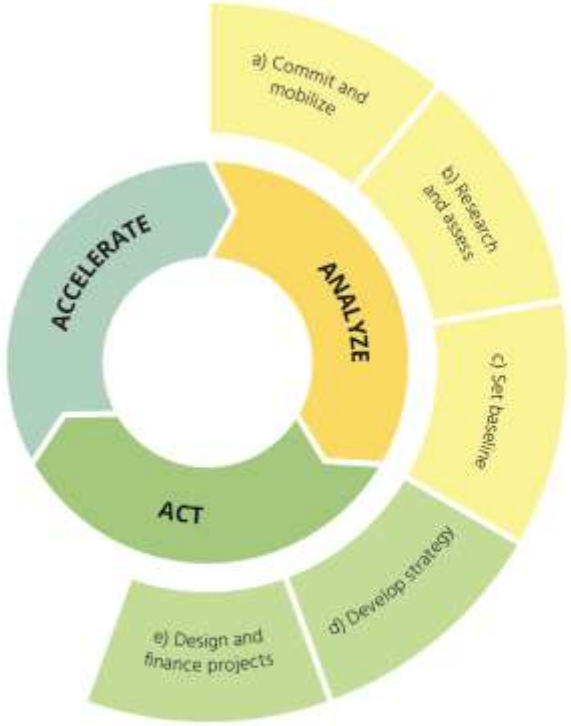

ACCELERATE
ANALYZE
ACT


a) Commit and mobilize
ANALYZE
ACT
ACCELERATE


a) Commit and mobilize
b) Research and assess
ANALYZE
ACT
ACCELERATE


a) Commit and mobilize
b) Research and assess
c) Set baseline
ANALYZE
ACT
ACCELERATE


a) Commit and mobilize
b) Research and assess
c) Set baseline
d) Develop strategy
ANALYZE
ACT
ACCELERATE


a) Commit and mobilize
b) Research and assess
c) Set baseline
d) Develop strategy
e) Design and finance projects
ANALYZE
ACT
ACCELERATE


a) Commit and mobilize
b) Research and assess
c) Set baseline
d) Develop strategy
e) Design and finance projects
f) Implement and monitor locally
ACCELERATE
ANALYZE
ACT

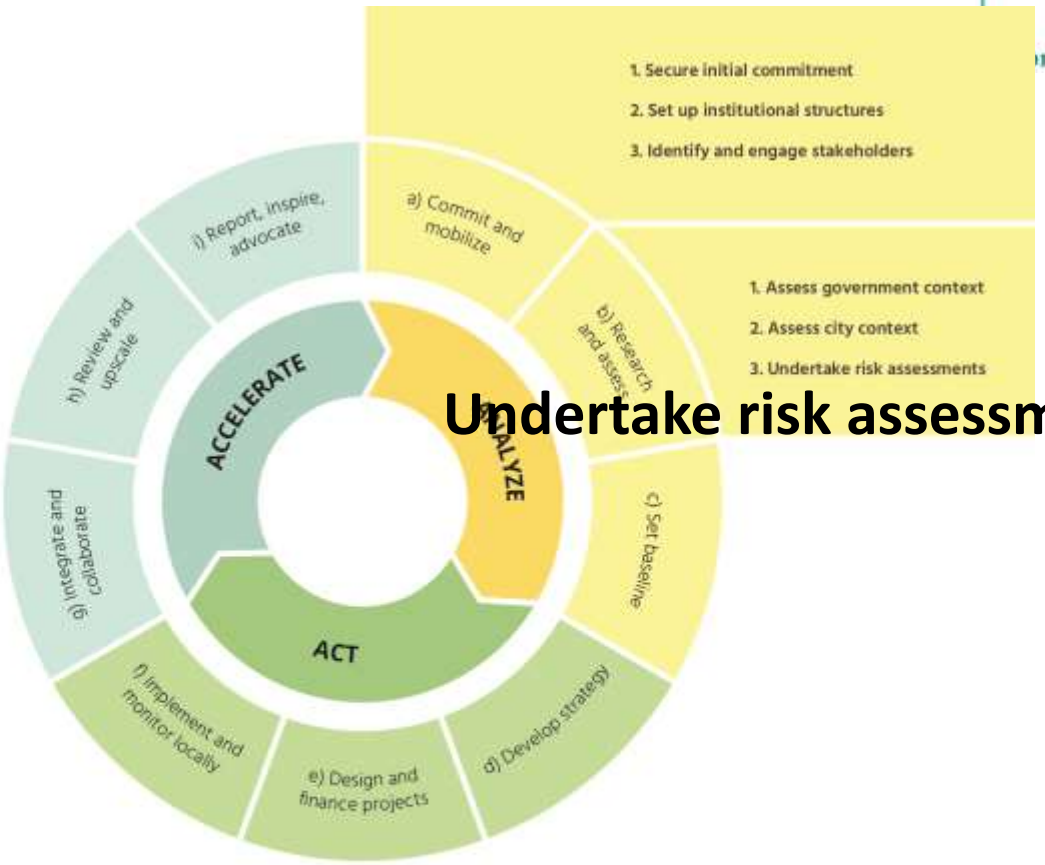

a) Commit and mobilize
b) Research and assess
c) Set baseline
d) Develop strategy
e) Design and finance projects
f) Implement and monitor locally
g) Integrate and collaborate
ANALYZE
ACT
ACCELERATE


a) Commit and mobilize
b) Research and assess
c) Set baseline
d) Develop strategy
e) Design and finance projects
f) Implement and monitor locally
g) Integrate and collaborate
h) Review and upscale
ANALYZE
ACT
ACCELERATE


a) Commit and mobilize
b) Research and assess
c) Set baseline
d) Develop strategy
e) Design and finance projects
f) Implement and monitor locally
g) Integrate and collaborate
h) Review and upscale
i) Report, inspire, advocate
ANALYZE
ACT
ACCELERATE

ICLEI
Local Governments for Sustainability

1. Secure initial commitment
2. Set up institutional structures
3. Identify and engage stakeholders



Undertake risk assessments

Taxonomy of hazards

CLASSIFICATION OF URBAN HAZARDS

Natural	Technological	Socio-economic
Earthquake	Fire	Political conflict
Flooding	Building collapse	Social conflict
Severe storm	Explosion	Labor strike/unrest
Wildfire	Transport accident	Terrorism
Extreme temperature	Gas leak	War
Drought	Oil spill	Economic crisis
Tsunami	Chemical spill	Business discontinuity
Epidemic	Poisoning	High unemployment
Insect infestation	Radiation	Corruption
Note: further lists of natural hazards can be found in the UNISDR QRE tool	System breakdown (e.g. ICT, water, energy, health, education etc)	Supply crises (e.g. food,water, housing, energy etc)

City Systems

Example 1: Indicative checklist of core and secondary urban systems:

Some Core Urban Systems	Some Secondary Urban Systems
• Ecosystems • Land • Energy • Water • Food • Shelter • Transport • Communications	• Health care • Education • Finance • Markets • Sanitation • Community services • Public security • Taxation

Vulnerability Assessment of risks

Exposure to the risk

Degree of sensitivity to risk

Capacity to adapt to (or mitigate) the risk

May apply to groups of people, localities, or city services and systems

Key questions

1. What is the most effective way of guiding cities to focus on the broad range of challenges they will face in the future?
2. To what extent must Resilience Planning be a very scientific or technical process?
3. To what extent should Resilience Planning be about connecting with people - crowd sourcing, achieving buy-in, change management?
4. Can the concept of Vulnerability, which is at the heart of climate adaptation planning, be equally applied to Urban Resilience planning?