Resilient Athens
Overview

ICRE8 Workshop
10 October, 2016 // 14:00 – 17:00

RESILIENT ATHENS
CITY OF ATHENS
ATHENS DEVELOPMENT AND DESTINATION MANAGEMENT AGENCY

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Athens Chief Resilience Officer

What's
a
PRA?

Preliminary Resilience Assessment

a snapshot of the current state of Athens' resilience strengths and weaknesses, gaps and opportunities.

Inputs to the Preliminary Resilience Assessment include:

- Updated unique city context
- Insights from Stakeholder engagement
- Outputs of City Resilience Actions & Perceptions Tools
- Outputs of the risk analysis and assets
- Analysis of Discovery Areas

ATHENS
Phase I
Analysis
& Tool Outputs

Phase I Analysis & Tool Outputs

Overview

Perceptions Tool

- 10 Workshops (177 perceptions)
- 8 Focus Areas (103 perceptions)
- 65 Interviews (85 perceptions)
- 365 perceptions

Actions Tool

- 167 Initiatives
- 14 Policies
- 45 Strategies/Planning
- 225 other action
- 451 total actions (121 implemented +318 scheduled +12 with unknown status)

Assets & Risks Tool

- Top Shocks are: Earthquake | Heat waves | Terrorism attacks
- Top Stresses are: Migration/Refugee flows | Depressed Macroeconomic Conditions & Unemployment | Lack of Social Cohesion
- Vulnerable assets: Power grid transmissions | Landlines and cellphone lines (internet) | Roads and fixed rail transportation

Phase I Analysis & Tool Outputs

Perceptions Tool Assessment

"We need more green and open spaces"

"Creative, bottom-up networks are the strongest assets for our city resilience"

"Athens is resilient only because its temperate climate"

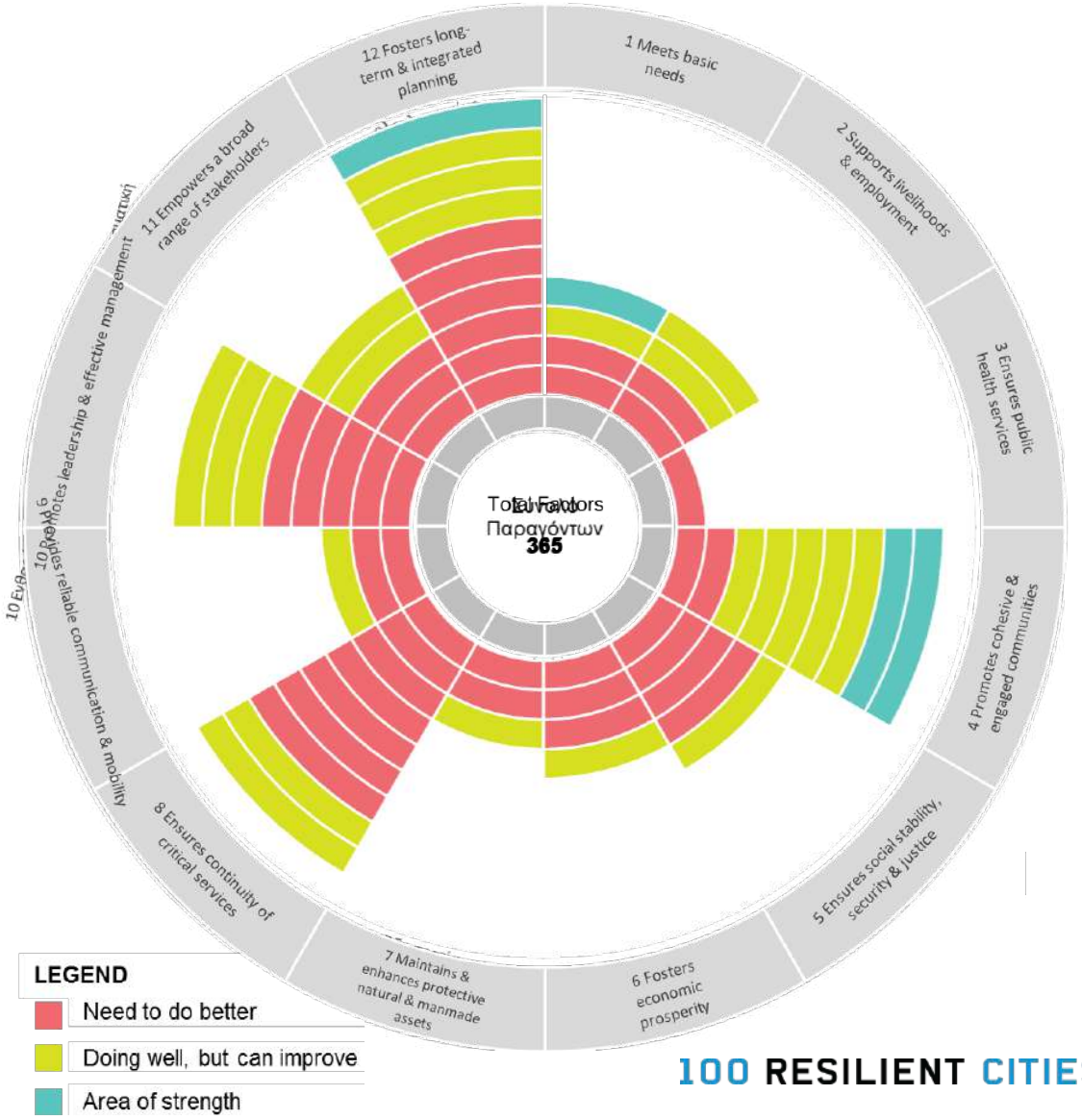
SUMMARY OF OUTPUT

The basic factors that affect the city's resilience are focused in the following drivers:

- Driver 4: "Promotes cohesive and engaged communities." Bottom up, informal community networks are the strongest asset of the city.
- Driver 8:"Ensures continuity of critical services." The city is emptying out and there is a great lack of public services
- Driver 12: "Fosters long-term and integrated planning." The Municipality cannot implement long-term plans, there is no coherent actions even though there are several strategic plans.

Strong interrelations:

- Driver 4-11, citizens bottom up organizations are crucial for city resilience, but the municipality is absent. It should do more to support the citizens with communication, information and education.



100 RESILIENT CITIES

Phase I Analysis & Tool Outputs

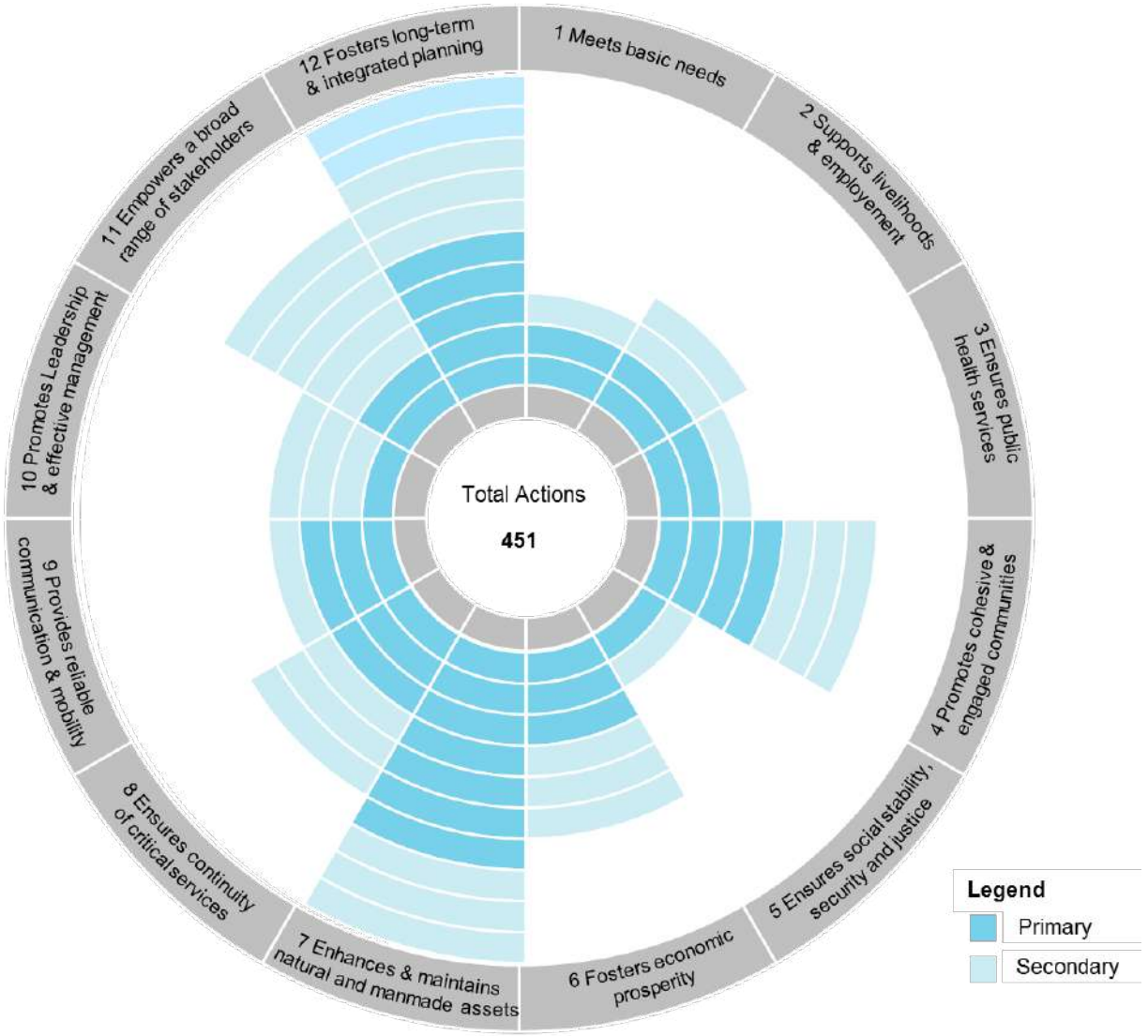
Actions Tool Assessment

#ResilientAthens team collected 451 actions, strategies and initiatives (implemented or planned)

This methodology has provided a unified and comprehensive database for all plans regarding the city of Athens

SUMMARY OF OUTPUT

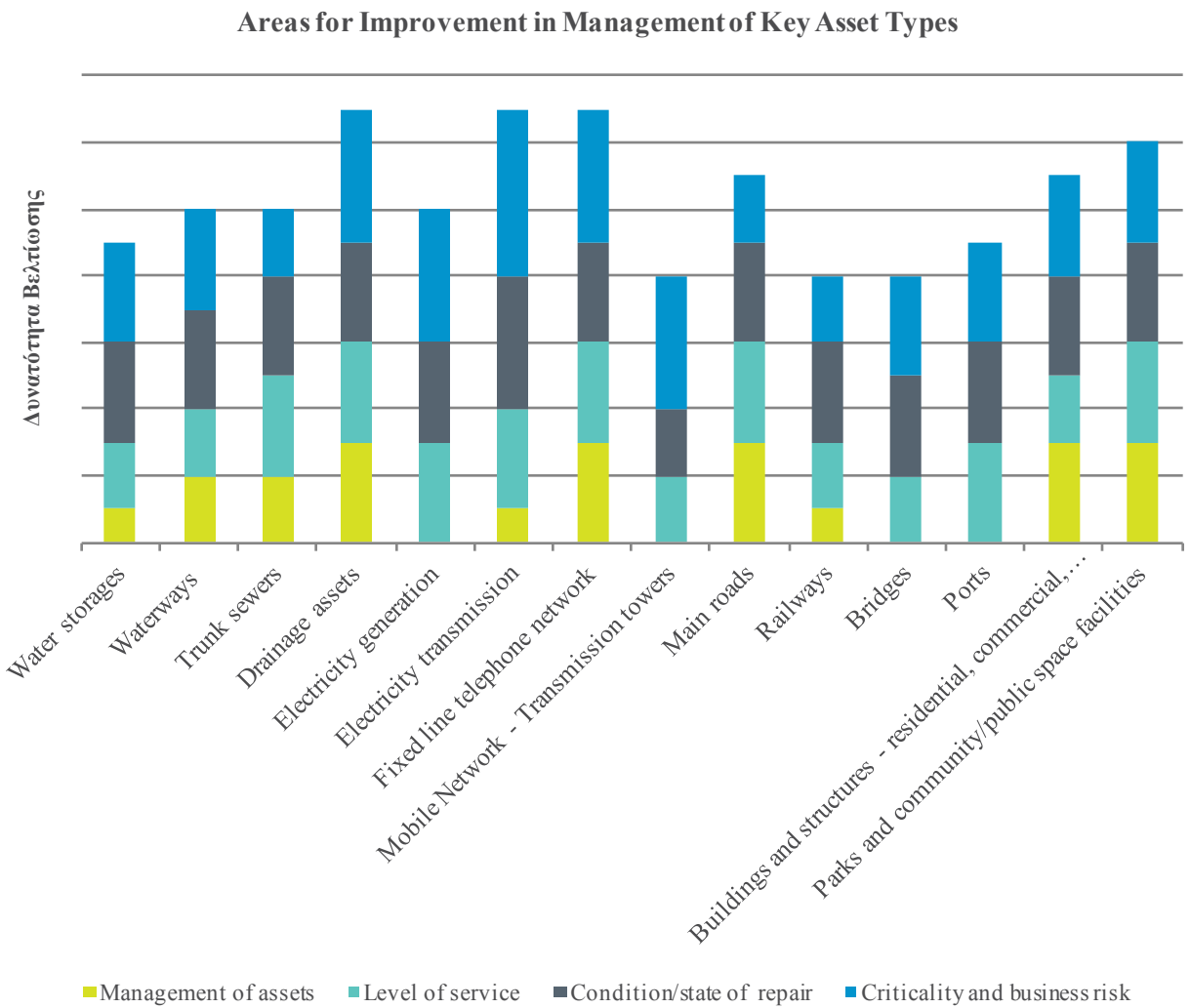
- Axis 12 reveals a large variety of strategic, technical and budget plans.
- Several strategies are already in effect most of these plans manifest through small fragmented dispersed actions. Many such actions are reflected in driver 7 “maintenance and enhancement of natural assets and technical infrastructure”
- Long-term strategy and actions have a 5-year ceiling.
- Only a small number of actions related to drivers 7 and 8 has been implemented
- Drivers 1 and 2 show few actions, however these are comprehensive and wide on social impact.
- Driver 5, regarding security, stability and justice, incorporates very few actions.

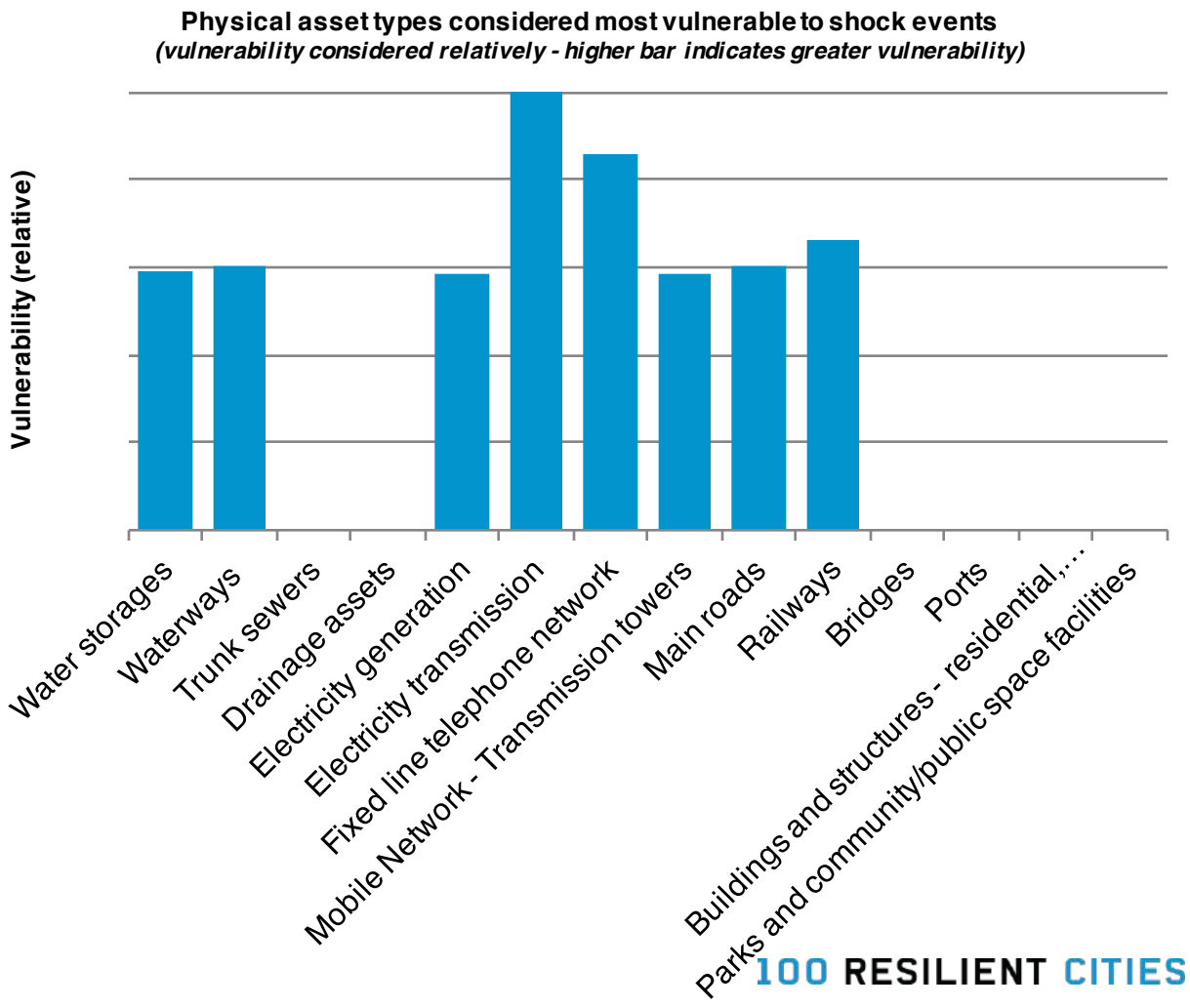


Phase I Analysis & Tool Outputs

Assets and Risks Tool Assessment

Electricity transmission, energy generation, and telephone network lines demonstrate the most vulnerability to shocks events





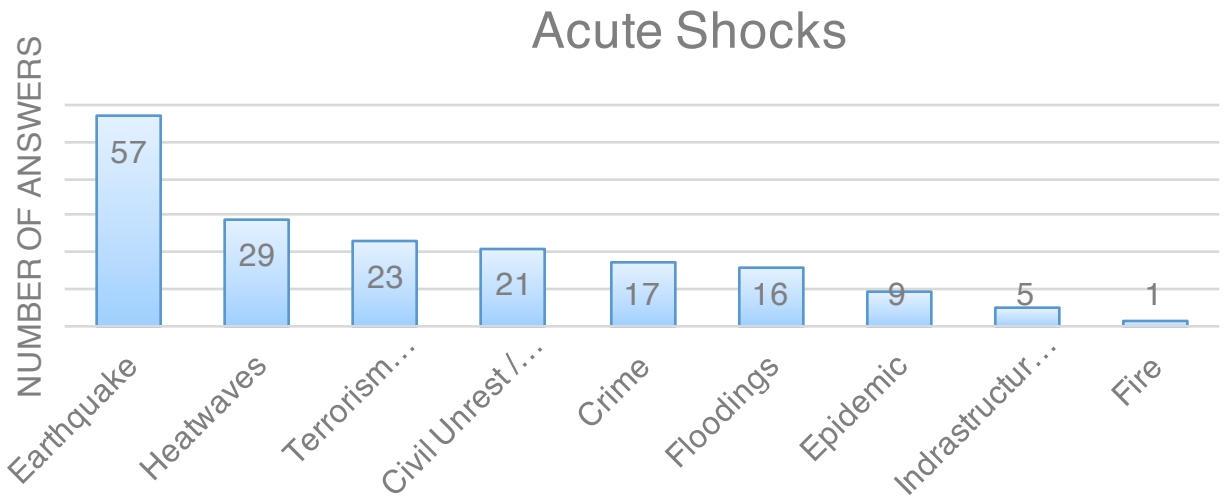
Phase I Analysis & Tool Outputs

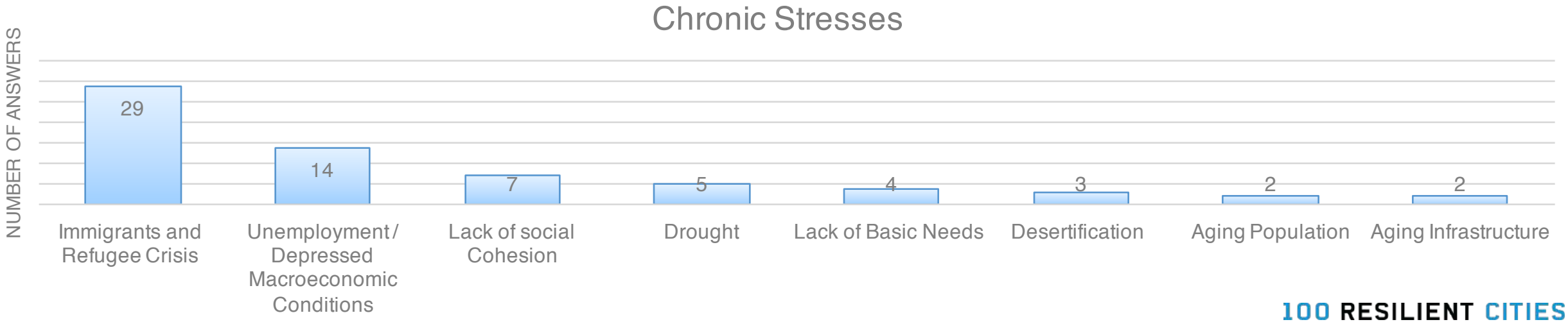
Assets and Risks Tool Assessment

Based on consultations, earthquakes and heatwaves are the biggest shocks facing the city, while the immigrant and refugee crisis, unemployment and macroeconomic conditions are major stresses

TOP SHOCKS:
Earthquake
Heatwaves
Terrorism Attacks

TOP STRESSES:
Immigrants and Refugees Crisis
Unemployment / Depressed Macroeconomic Conditions
Lack of Social Cohesion





ATHENS
Discovery Areas

Resilient Athens I Discovery Areas

Discovery Area 1: Maximizing Local Assets: the Athenian neighborhood

Chronic Stresses: Aging Infrastructure, social cohesion, public space degradation

Acute Shocks: Depressed Macroeconomic Conditions, Unemployment, Migration/Refugee challenge

Discovery Area 2: Data Driven and Inclusive City

Chronic Stresses: Social Cohesion, Corruption, Mistrust, Social instability data management

Acute Shocks: Political instability, Infrastructure failure, earthquakes, heatwaves, terrorism attacks

Discovery Area 3: Nature in the city: Best possible use of urban resources

Chronic Stresses: Poor Air Quality, Lack of natural and energy assets, Aging Infrastructure

Acute Shocks: Heatwaves, Building Infrastructure failure

Discovery Area 4: Crisis within the Crisis

Chronic Stresses: Poor Air Quality, Waste and Water Management Issues, Migration / refugee challenge, Aging Infrastructure, Urban Heat Island,
Acute Shocks: Heatwaves, earthquakes, flooding, terrorism attacks, Infrastructure failure

Discovery Area 5: Enhance social cohesion [Cross-Cutting]

Chronic Stresses: Mistrust, insecurity, lack of social cohesion, public space degradation, migration / refugee challenge

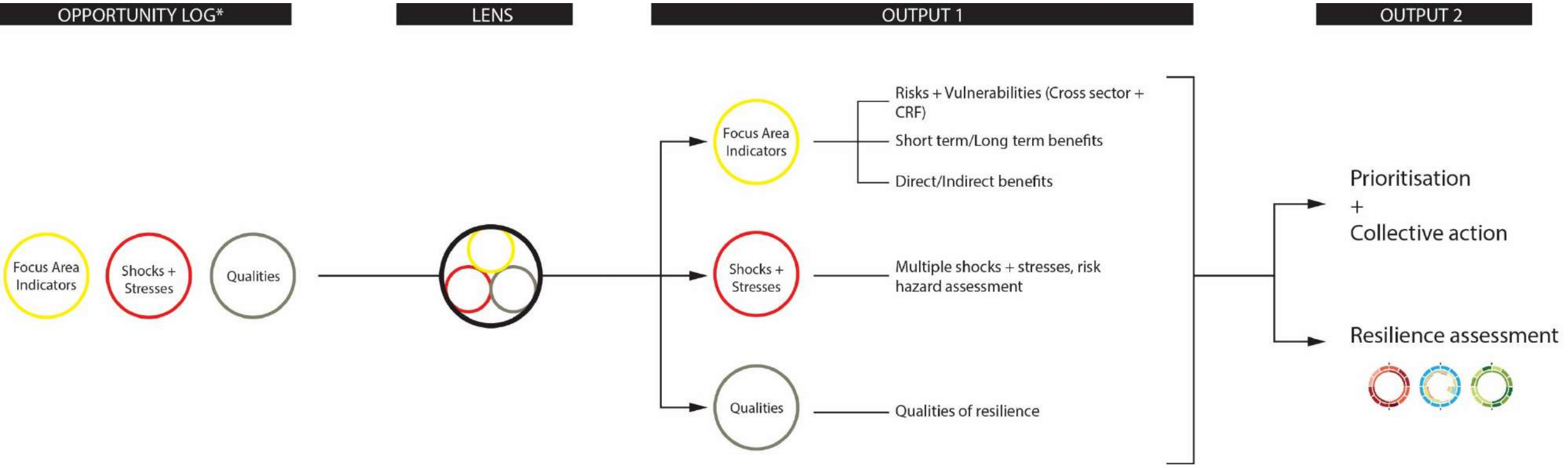
Acute Shocks: Heatwaves, earthquakes, terrorism, riots

Where are we now on the Resilient Athens timeline?

Chronology of our work | Resilient Athens

GANTT CHART	2016											2017												2018	2019
	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
PHASE 1: "RESILIENCE ASSESSMENT"																									
Perceptions																									
Actions																									
"Perceptions - Actions" correlation and risks assessment																									
Discovery Areas																									
Resilience Steering Committee first meeting				25-May																					
Preliminary Resilience Assessment					30 - June																				
PHASE 2: "RESILIENCE STRATEGY DEVELOPMENT"																									
Resilience Steering Committee regular meetings								15 - Sep		15 - Nov		31 - Jan													
Working Groups						Every 4 weeks																			
"Fields of Opportunities"										15 - Dec															
Athens Resilience Strategy													31 - Jan												
PHASE 3: "STRATEGY IMPLEMENTATION"																									

The process


OPPORTUNITY LOG*
LENS
OUTPUT 1
OUTPUT 2
Focus Area Indicators
Shocks + Stresses
Qualities
Focus Area Indicators
Shocks + Stresses
Qualities
Risks + Vulnerabilities (Cross sector + CRF)
Short term/Long term benefits
Direct/Indirect benefits
Multiple shocks + stresses, risk hazard assessment
Qualities of resilience
Prioritisation
+
Collective action
Resilience assessment

Resilient Athens, Phase 2 I Discovery Area Analysis and **Objectives**

Challenges Faced – Opportunities for Building Resilience – Data & Evidence to Support Findings – Implications and Challenges of doing so

Identify concentrated risks and vulnerabilities

in a given discovery area within a spatial or neighbourhood scale

Understand and document gaps in knowledge, collaboration or challenges within a discovery area

and take on a limited scope of new research to stimulate innovation

Rapidly advance research strategic thinking or technical studies

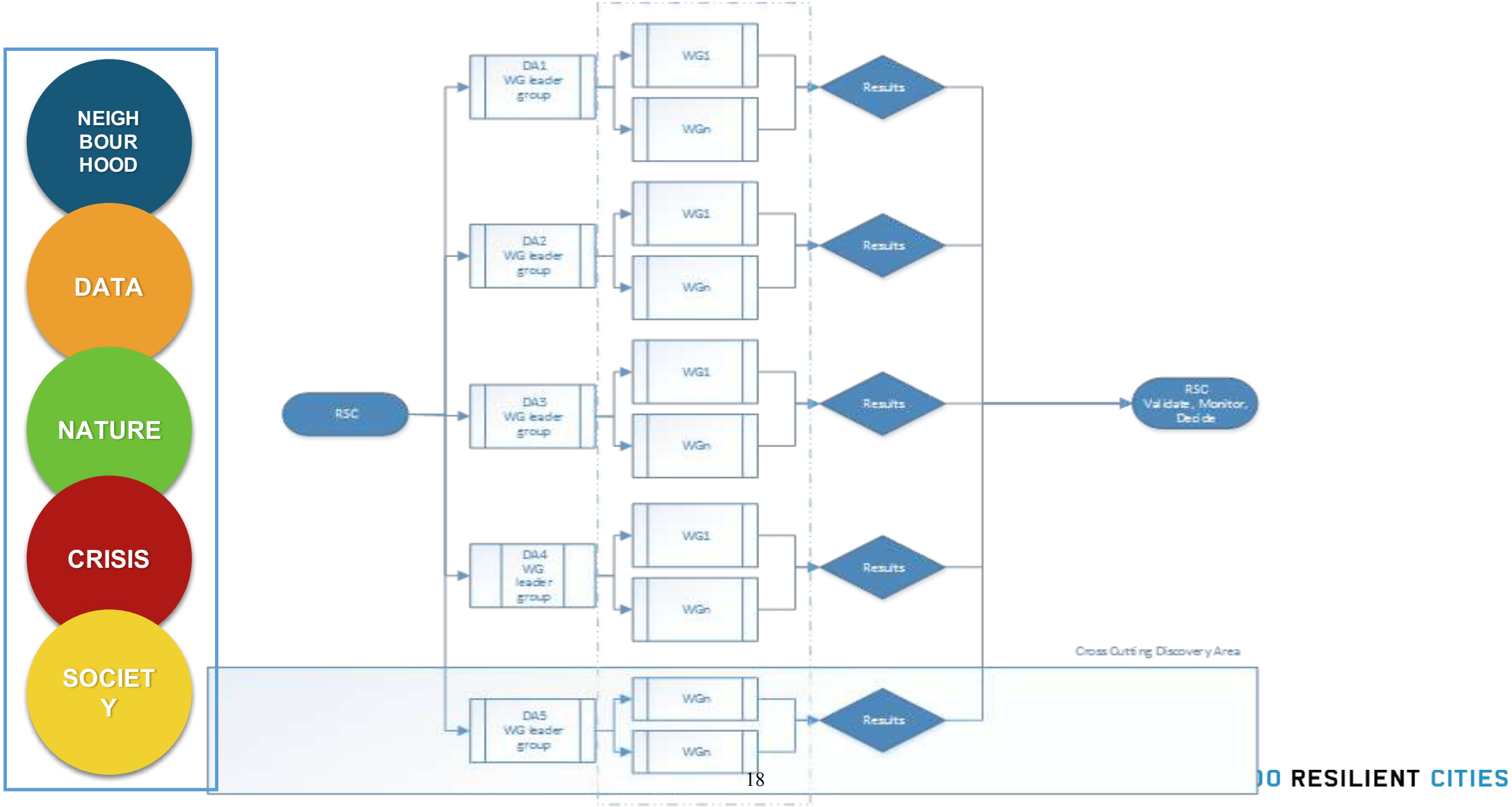
fundamental for advancing the city's resilience understanding (e.g. hazard assessment)

APPLY RESILIENCE LENS

evaluate options to build resilience through integration and interdependencies

How do we proceed?

Resilient Athens, Phase 2



Working Group I Transatlantic Policy Lab

Placemaking + economic development (equity) : 2 Athenian neighbourhoods (platia Avdi and platia Victorias)

15

International Experts

From 7

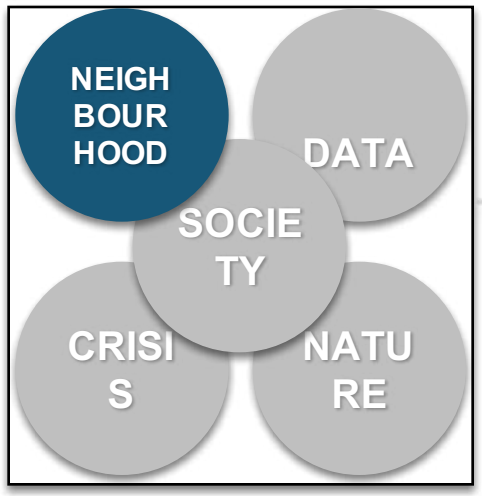
Countries: USA, Greece, Finland, Spain, Austria, UK, Estonia

40

Local stakeholders (shop owners, migrants, university professors, etc.)

4

Vice Mayors (Amalia Zepou, Maria Stratigaki, Lefteris Papagianakis, Penelope Gkouma)



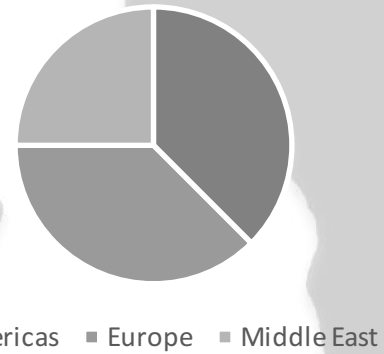
Working group I Athens Migration Network Exchange

8

Chief Resilience Officers

14

City Staff Members



Athens, Thessaloniki, ParisRamallah, Amman, Medellin, Los Angeles, Montreal

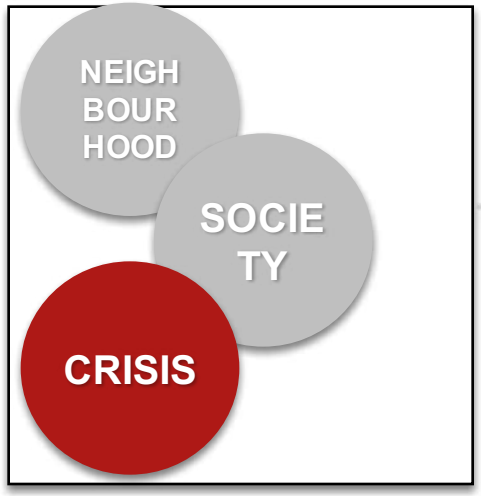
22

External Experts

Experts representing multiple sectors

8

Platform Partners (IRC, IOM, ESRI, Mastercard, Welcoming America, Brookings Institution, Mercycorps, UNHCR)



Working group **I Cross-jurisdictional working group (Municipality / Region / Ministry)**

21

Members

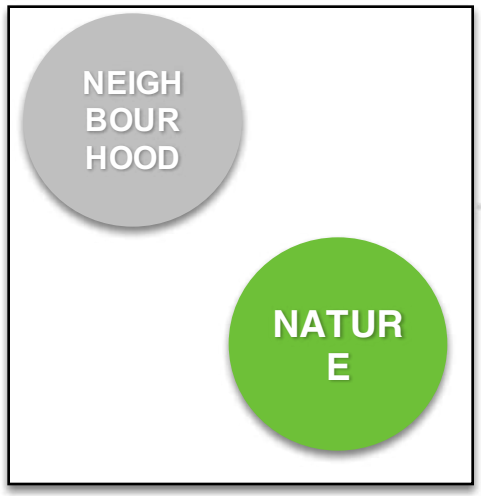
3

Levels of jurisdiction

?

Platform Partners

Cross checking and fact checking, funding opportunities, resilient dividend of these actions



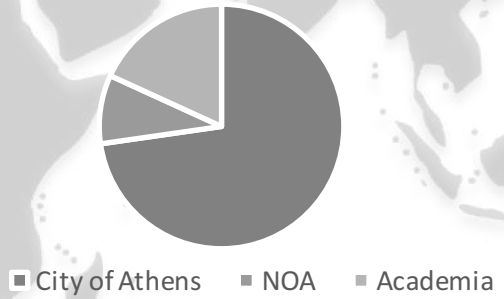
Working group **I Cross-sectoral working group for adaptation to Athenian heat waves and UHI's effects**

15
Members

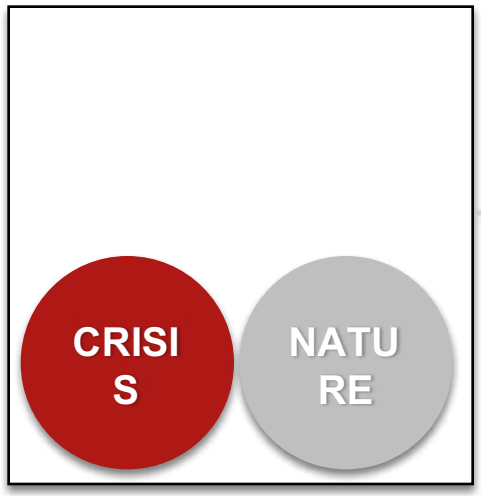
6
Municipal Departments (Environment and greeneries, public spaces, social solidarity, building infrastructure, roads and drainage, economy, administration, business planning and information)

5
External Experts

1
Adaptation Action Plan



Participating experts representing multiple sectors



Cooperation with SDSN-Greece

Discovery Areas and their respective Sustainable Development Goals

Discovery Area 1 :
MAXIMISING LOCAL ASSETS: THE ATHENIAN NEIGHBORHOOD

Chronic stresses: raging infrastructure, social cohesion, public space degradation
Acute shocks: depressed macroeconomic conditions, unemployment, migration/refugee crisis

Discovery Area 2 :
DATA DRIVEN AND INCLUSIVE CITY - *sub-area: data-driven strategy*

Chronic stresses: social cohesion, corruption, mistrust, social instability, data management
Acute shocks: political instability, infrastructure failure, earthquakes, heatwaves, terrorism attacks

Discovery Area 3 :
NATURE IN THE CITY: BEST POSSIBLE USE OF URBAN RESOURCES

Chronic stresses: poor air quality, lack of natural and energy assets, ageing infrastructure
Acute shocks: heatwaves, building infrastructure failure

Discovery Area 4 :
ENHANCE SOCIAL COHESION [CROSS-CUTTING]

Chronic stresses: mistrust, insecurity, local of social cohesion, public space degradation, migration/refugee crisis
Acute shocks: heatwaves, earthquakes, terrorism, riots

What are the next steps?

Resilient Athens, Phase 2

Working Groups

- Over 15 WGs
- Until December 2016

Fields of Oportunities

- 2-day event on FOOs and Resilience Lens
- Until December 2016 – January 2017

Strategy Development

- First Draft to be developed late January 2017
- Final Strategy during March 2017