

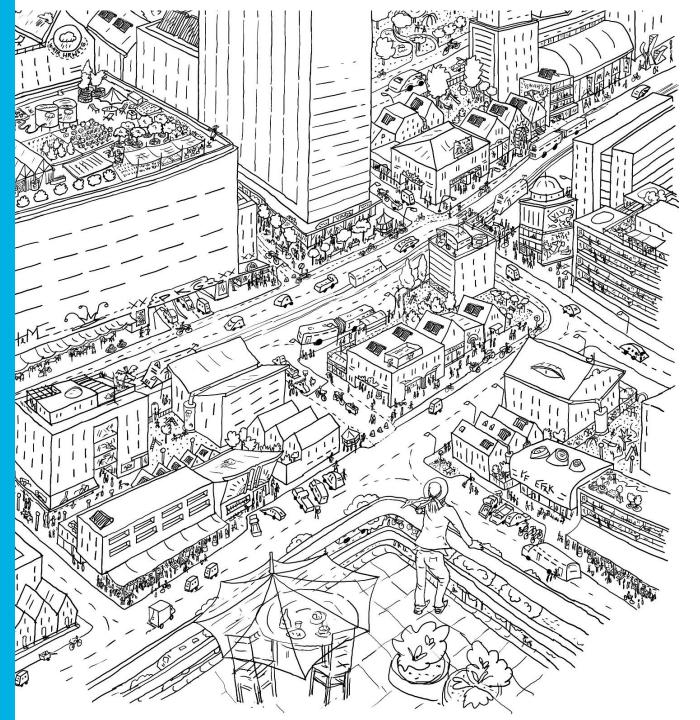


CityRAP Tool

CITY RESILIENCE

ACTION PLANNING





URBAN RESILIENCE

"The ability of any urban system, with its inhabitants to maintain continuity through all shocks and stresses, while positively adapting and transforming toward sustainability".





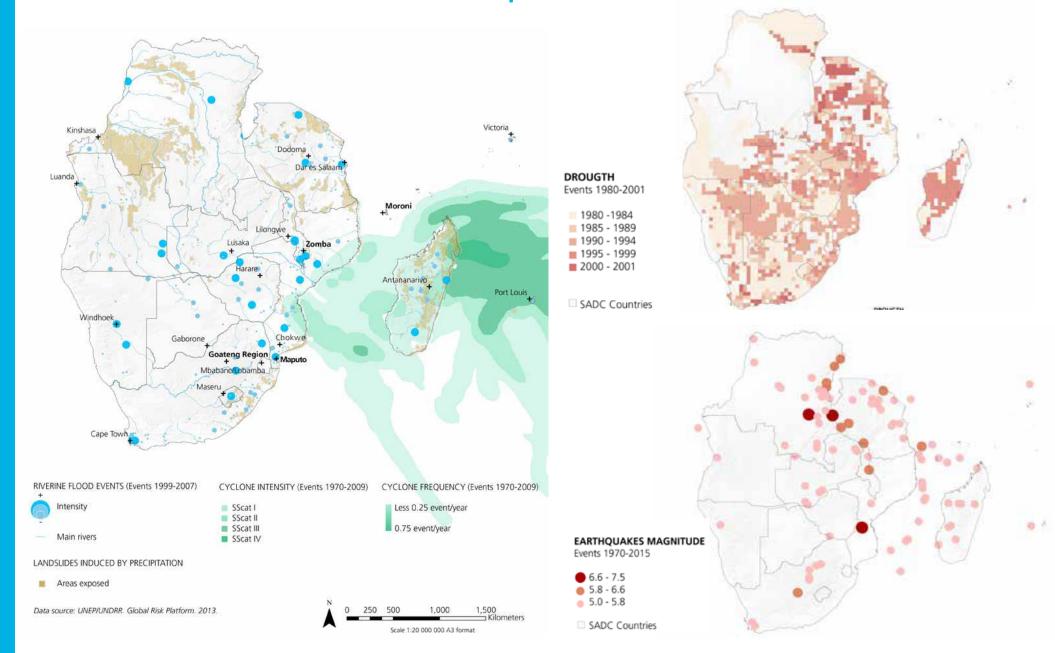
Key challenges for building resilience

- 1. Lack of technical capacity and experience
- 2. Lack of data and information
- 3. Lack of financial resources

Existing tools are often too complex, data hungry and not adapted to the reality of some cities.



Natural hazards do not respect national boundaries





The DiMSUR initiative

In 2010...

...four countries with common vulnerabilities in southern Africa decided to join forces in 2010 initiating the process to establish the sub-regional Technical **Centre for Disaster Risk** Management, Sustainability and **Urban Resilience** (DiMSUR)







The DiMSUR initiative



Mandate

to provide technical assistance and knowledge for:

- Disaster Risk Reduction
- Climate Change Adaptation
- Urban Resilience

in Southern Africa and the South-West Indian Ocean.

Status

non-profit, autonomous, regional organization, international in status and non-political in management, staffing and operations.

Founding members

- Madagascar
- Malawi
- Mozambique
- Union of Comoros

Headquarters

Maputo, Mozambique with sub-units in each Member State.



The DiMSUR initiative



Vision

Be an effective catalyst and major partner for disaster risk management and climate change adaptation in southern Africa contributing to building a more resilient region based on safe and prosperous cities and towns.

Strategic priorities for the first 10 years

Enhancing the identification and understanding of risks at local level

Strengthening national and local capacities to manage disaster risk and build resilience

Building safer and more resilient cities through the provision of qualified technical assistance

Establishing networks & partnerships for better knowledge management and dissemination

Promoting a culture of safety and resilience through awareness raising, disaster preparedness & building back better

Reinforcing the institutional, managerial and technical capacity of DiMSUR



What is CityRAP?

CityRAP features

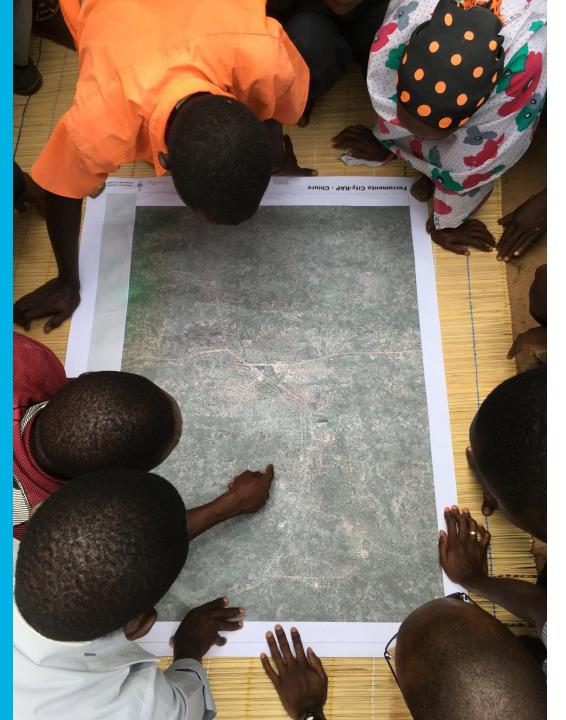
"It is built on

participatory methods

and consensusbuilding techniques to
involve all concerned
stakeholders with the
aim to identify the
entry points to start
building the city's
resilience with
minimal external
support"

(Prof. Mark Pelling)

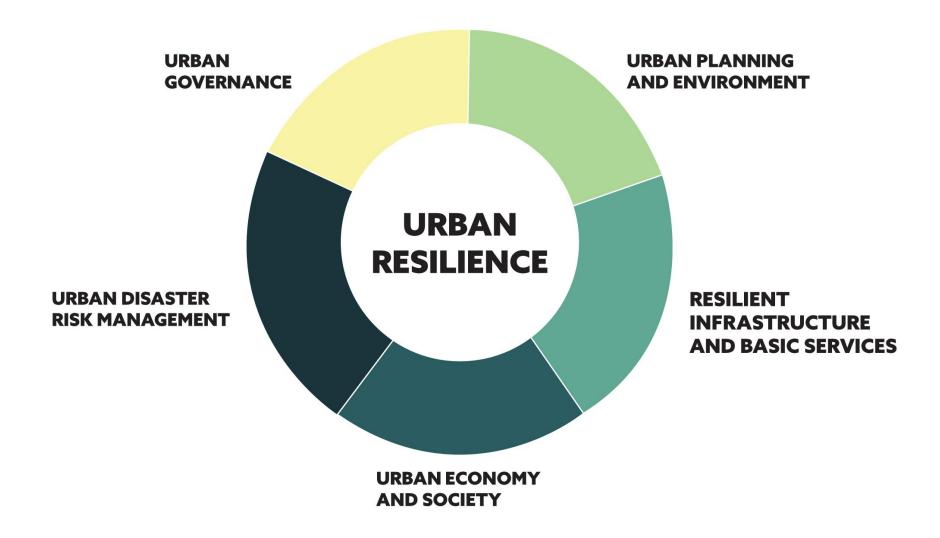




- CityRAP is **DiMSUR's** flagship product.
- It is a tool used for training city
 managers and municipal technicians
 and to build their capacity to plan
 actions aimed at reducing risk and
 building resilience
- Targets small to intermediate cities, or municipal districts within bigger cities (~250.000 people)
- The municipality is the leader of the process from day one
- Leverages local knowledge through a participatory approach
- Its final product is a *Resilience* Framework for Action for the city

CityRAP resilience pillars

A resilience framework with five inter-related pillars designed as a theoretical structure for data collection at the city level





3-4 MONTHS

CityRAP process

4 phases

200-300 people directly participate

Local government
Public institutions
Community representatives
CSOs and NGOs
Media
Private sector

Academia

PREPARATORY PHASE

Preparatory meetings, Focal Points selection, preliminary questionnaire, stakeholder analysis

PHASE 1 - CRASH COURSE
Workshops

PHASE 2 - PARTICIPATORY DATA COLLECTION AND ORGANISATION

Risk mapping, community consultations, self-assessment

PHASE 3 - DATA ANALYSIS AND PRIORITISATION

Focus group discussions, prioritisation workshop

PHASE 4 - DEVELOPMENT OF THE CITY RESILIENCE FRAMEWORK FOR ACTION

Technical workshops



CityRAP in Africa



CityRAP Tool implemented in:

Burkina Faso

Cabo Verde

Ethiopia

Guinea-Bissau

Madagascar

Malawi

Mozambique

Sao Tome e Principe

Union of Comoros

Zambia

Zimbabwe

30 cities in Africa reached



Training of Trainers delivered in:

Burkina Faso (delivered to representatives from the 8 countries of the West African Economic and Monetary Union UEMOA)

Cabo Verde

Ethiopia

Guinea-Bissau

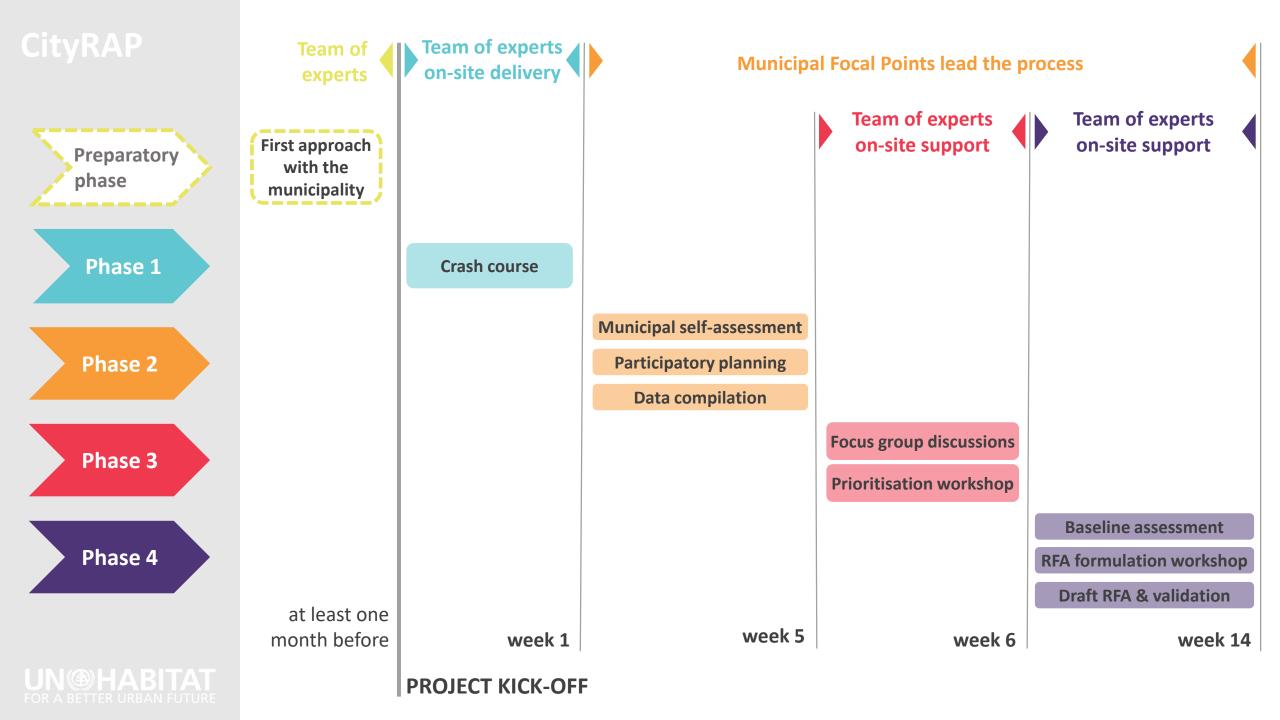
Sao Tome e Principe

South Africa





How does CityRAP works?



Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4





Preparatory phase

Phase 1

Phase 2

Phase :

Phase 4



- Preparatory meeting with the Mayor and city management
- Selection of Municipal Focal Points
- Completion of the preliminary questionnaire
- Completion of the preliminary stakeholder analysis

Responsible actors

- Team of experts: travel
 to the municipality
- Municipal Focal Points: selected and committed



At least one month before Phase 1



Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4



UNDERSTANDING URBAN RESILIENCE



Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4







- Crash course
- Training session for Municipal Focal Points

Responsible actors

- Team of experts: deliverPhase 1 on-site
- Municipal Focal Points (MFPs): trained by the team of experts

Duration

4-day crash course +1-day training of MFPs

Crash course: KEY CONCEPTS of urban risk and resilience



Presentation of the CityRAP Tool and introduction to

the key concepts of urban resilience and disaster risk



Crash course: KEY CONCEPTS of urban risk and resilience

Preparatory phase

Phase 1

Phase 2

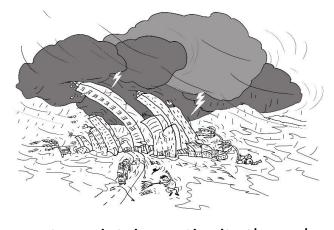
Phase 3

Phase 4

Use of a language easy to understand, although scientifically rigorous, to demystify complexity



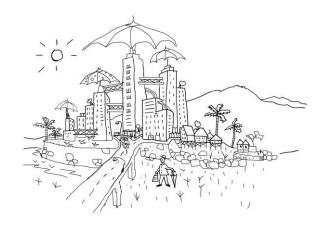
"The ability of any urban system, with its inhabitants...



...to maintain continuity through all shocks and stresses, ...



...while positively adapting and transforming...



....toward sustainability".



Preparatory phase

Phase 1

hase 2

Phase 3

Phase 4





Crash course: participatory mapping at the city level

- Identify the main risks that affect the city.
- Collectively choose
 neighborhoods that will be targeted in the next phases.

Training of the municipal focal points

Preparatory phase

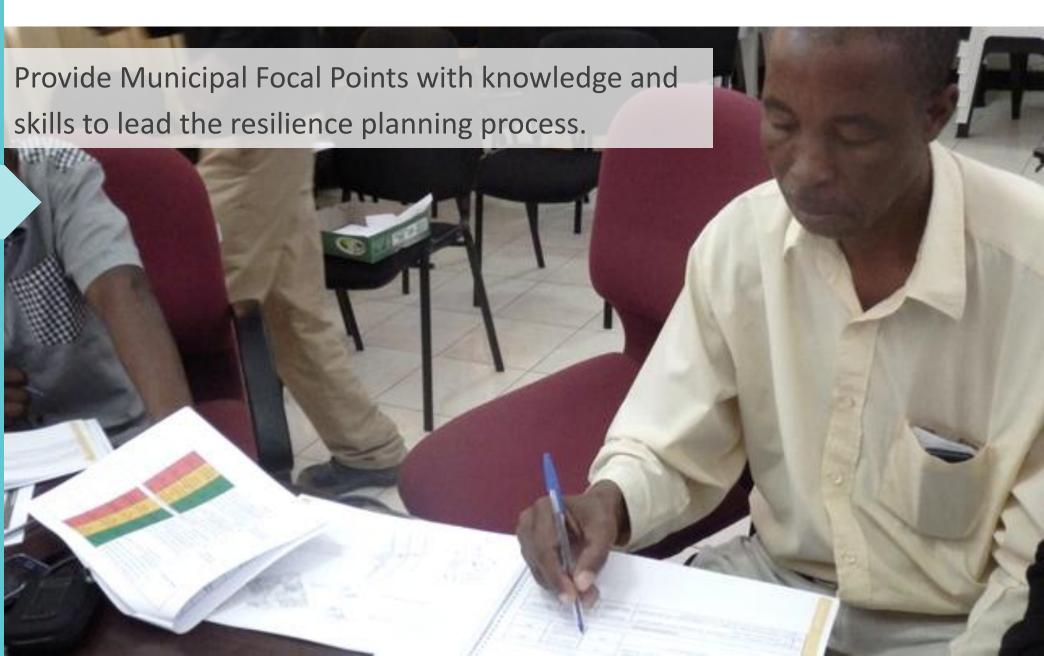
Phase 1

Phase 2

Phase 3

Phase 4





Preparatory phase

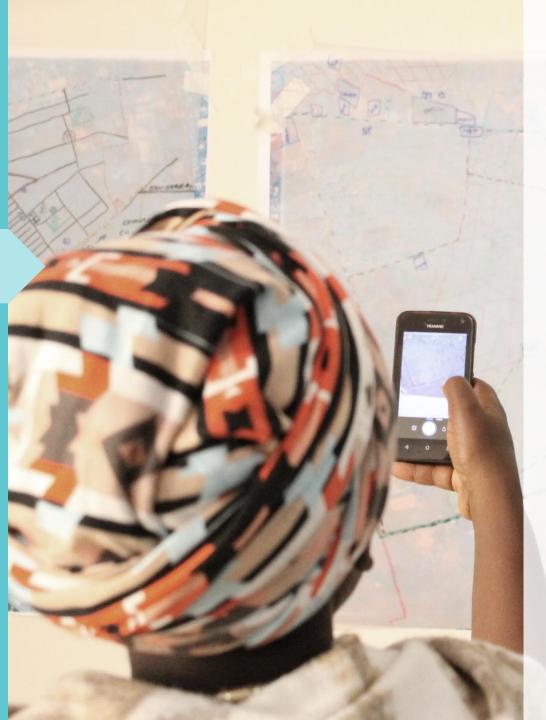
Phase 1

Phase 2

Phase 3

Phase 4





Expected results

- Participants understand key concepts related to urban risk and resilience.
- The participatory planning simulation identifies the vulnerable neighbourhoods to be targeted in Phase 2, and prepares Focal Points to apply the same methodology at community level.
- Municipal Focal Points are trained to carry out Phase 2.

Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4



DATA COLLECTION AND ORGANIZATION



Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4







- Municipal self-assessment
- Participatory planning at the neighbourhood level
- Data compilation and organisation

Responsible actors

Municipal Focal Points



3-4 weeks

Preparatory phase

Phase 1

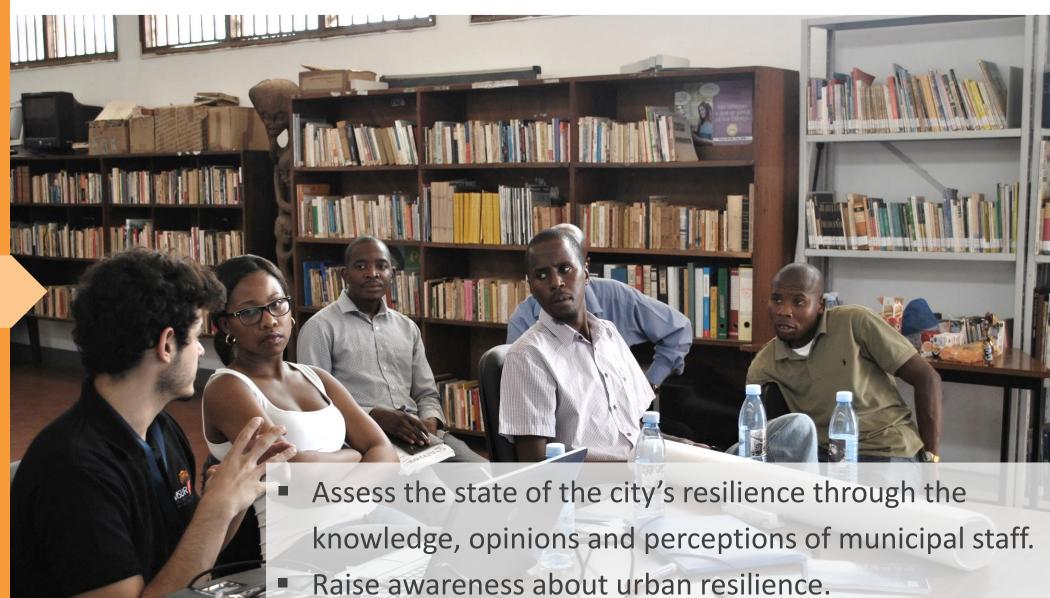
Phase 2

Phase 3

Phase 4



Municipal self-assessment



Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4



Municipal self-assessment questionnaire

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THEME	N°	QUESTIONS	4	3	2	1	COMMENTS	
	1	Does your municipal department have enough staff to carry out its daily responsability?	Yes, the staff have the required skills to carry out their daily responsibilities	The majority of the staff have the required skills	Less than half of the staff have the required skills	The department has only few skilled staff		
ORGANISATIONAL CAPACITY	2	Does your municipal department have staff with understanding or knowledge of issues related to climate change and/or risk management?	Yes, the staff do understand and have knowledge of issues related to climate change and/or risk management	Yes, the department has some staff with that kind of understanding or knowledge	Yes, the department has at least one staff with that kind of understanding or knowledge	No, nobody in our department has the staff has this kind of understanding or knowledge		

- 75 questions divided by the 5 resilience pillars
- 4 possible answers for each question and a column for comments
- To be submitted to each municipal department in the municipality

Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4





Participatory planning at neighbourhood level

- Prioritisation of risk
 reduction and resilience
 building actions at
 neighbourhood level.
- List of potential and feasible solutions/measures.
- Use of satellite images of the specific neighbourhood to ensure participation of the communities.

Preparatory phase

Phase 1

Phase 2

Phase 3

Phase

Data compilation and organization

- Filling theResults Matrix.
- Summarizing the comments from the municipal self-assessment.
- Harmonizing the priority issues identified at the community level.

THEME	N°	QUESTIONS	ANSWERS				MUNICIPAL DEPARTMENTS							
			4	3	2	1	URBAN PLANNING	HUMAN RESOURCES	FINANCE	BASIC SERVICES	NATURAL RESOURCES	ECONOMY	CIVIL DEFENCE	TOTAL
	7	Do you believe that the current municipal structure allows each department to effectively carry out its work?	Yes, the current structure is good and allows each department to effectively carry out its work	The current structure requires some improvements for effective delivery	The current structure is not good enough for that purpose	No, the current structure is weak and needs major improvements	1	1	1	1	3	2	3	12
GOVERNANCE STRUCTURE	8	How well is the municipality cooperating and coordinating with externals such as government, private sector, civil society, etc.?	The municipality has established strong cooperation and coordination mechanisms with a number of external partners and institutions	The cooperation and coordination of the municipality with externals is overall good but could be further improved	The municipality's cooperation and coordination with externals is not good enough	The municipality has poor cooperation and coordination mechanisms with externals	2	3	4	4	4	2	4	23
	9	Do you think that coordination and cooperation among the different municipal departments is efficient?	Yes, mechanisms are in place to ensure efficient coordination and cooperation among the different municipal departments	The coordination and cooperation among the departments is overall good but could be further improved	Coordination and cooperation mechanisms among the departments is not good enough	municipality has poor coordination and	1	3	4	2	4	1	4	19



Preparatory phase

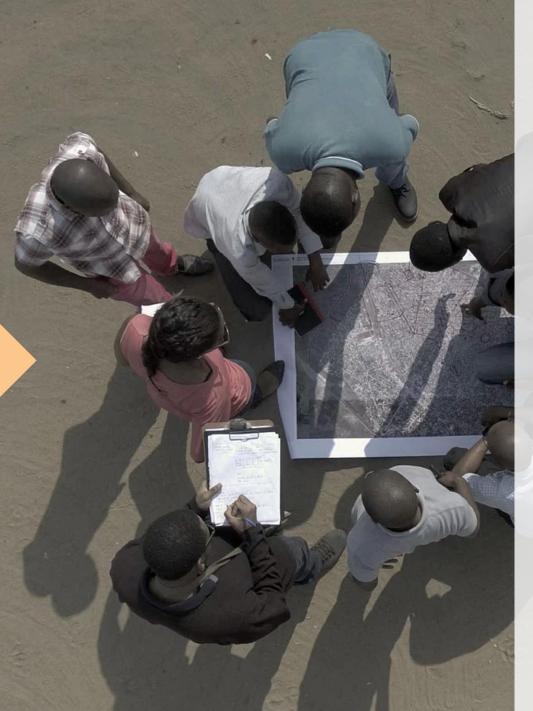
Phase 1

Phase 2

Phase 3

Phase 4





Expected results

- All the municipal departments are engaged and assessed.
- Communities are actively involved in the process.
- The collected information is harmonised and ready for the analysis in Phase 3.

DATA ANALYSIS AND PRIORITISATION

Preparatory phase

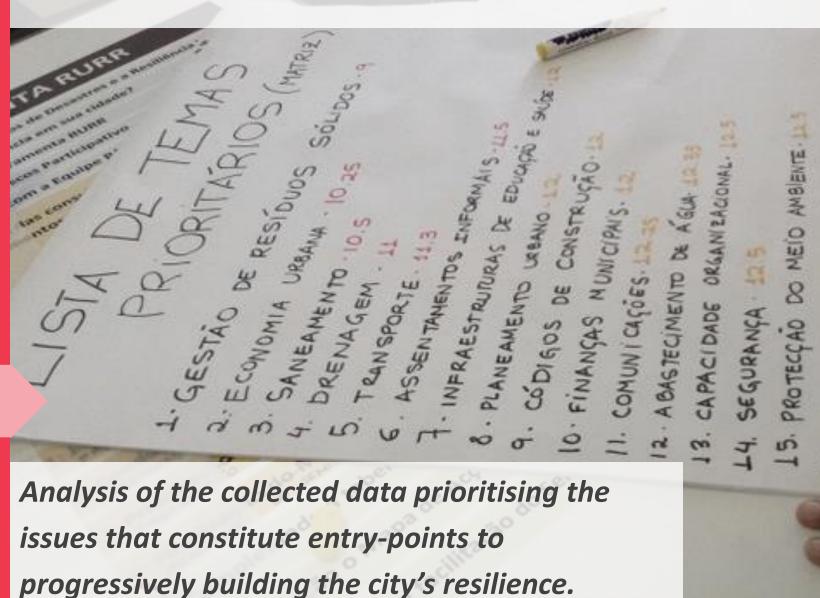
Phase 1

Phase 2

Phase 3

Phase 4





SENSIBILI ZAGO

ENERGIA.

SIS TENAS

Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4







- Focus group discussions
- Prioritisation workshop
- Training session for Municipal Focal Points

Responsible actors

- Team of experts: providing on-site support
- Municipal Focal Points (MFPs): leading the process



5 days

Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4





Focus group discussion for each resilience pillar

- Thematic focus groups for each pillar of resilience analyse the data collected previously and discuss the main shortcomings and priorities.
- Representatives from municipality, community, NGOs, CSOs and other relevant stakeholders

Preparatory phase

Phase 1

Phase 2

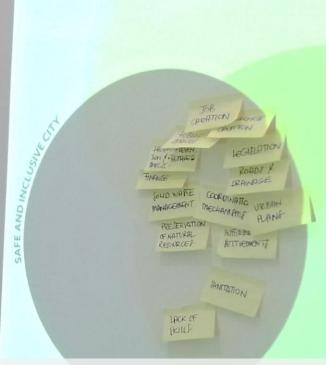
Phase 3

Phase 4



Prioritisation workshop





Key local stakeholders convene to discuss and decide upon priorities to build urban resilience based on the results of municipal selfassessment, community consultations and focus group discussions.

Preparatory phase

Phase 1

Phase 2

Phase 3

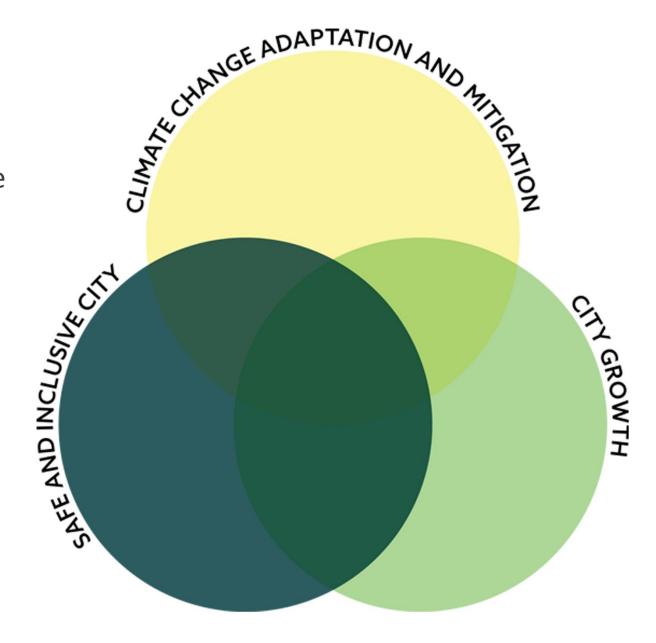
Phase 4



The resilience diagramme

Filtering the common priorities identified during the focus group discussions through three cross-cutting issues of urban resilience.

From now on, the process could also be channeled through just one of these three lenses, resulting in a more specific final document.



Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4



The funnelling process to prioritise and plan

Urban Disaster Risk Management Planning and Environment Society

Resilient infrastructure and Basic Services

PRIORITISATION

- 1. Climate Change Adaptation & Mitigation
- 2. Sustainable Urban Growth
- 3. Inclusive and safer cities

Phase 3



City Resilience Framework for Action (RFA)

Phase 4

Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4





Expected results

- The most pressing issues are prioritised in a consensual manner to define where to start in progressively building the city's resilience and why.
- Maximum six priority issues are selected as entry points.
- Municipal Focal Points are trained to carry out Phase 4.

THE CITY RESILIENCE FRAMEWORK FOR ACTION (RFA)

Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4





Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4







- Baseline assessment
- RFA formulation workshop
- Finalisation of the city RFA

Responsible actors

- Team of experts: on-site and remote support
- Municipal Focal Points
 (MFPs): leading the
 process



7-8 weeks



Phase 1

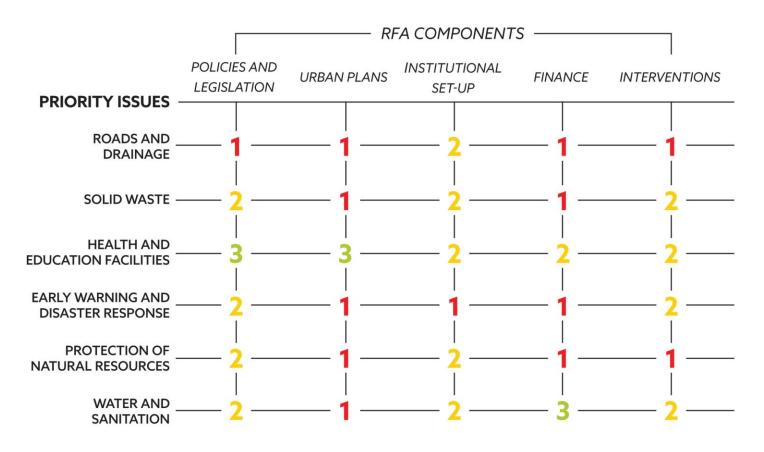
Phase 2

Phase 3

Phase 4



The baseline assessment



- Municipal Focal Points collect information, and consult experts and local stakeholders, to assess the state of the selected priority issues in relation to a particular RFA component.
 - Then they collectively decide on a score using a scale from 1 to 3.



Phase 1

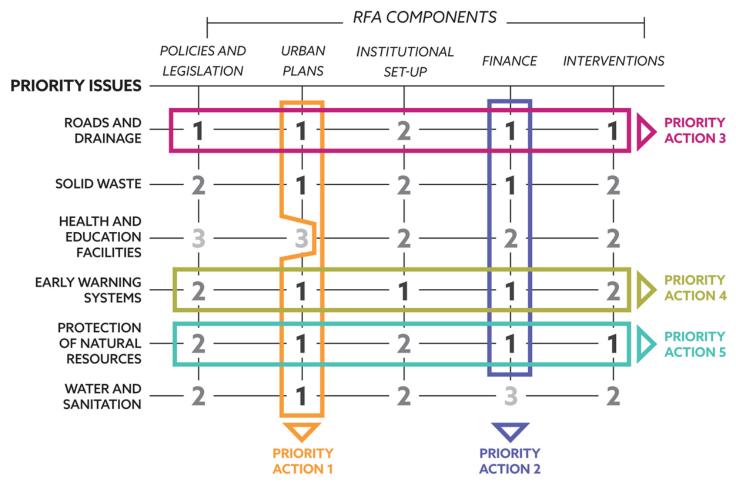
Phase 2

Phase 3

Phase 4



The baseline assessment



- The baseline assessment table can be read both horizontally, following the priority issues, and vertically, following the RFA components.
 - Based on the scores, maximum six priority actions are selected.

Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4





RFA formulation workshop

- Priority actions are reviewed and validated in plenary
- In focus groups these are broken down into activities assigning one responsible office/entity to each.
- Milestones are identified to structure the RFA in the short (0-2 years), medium (3-5) and long (6-10) term.

Preparatory phase

Phase 1

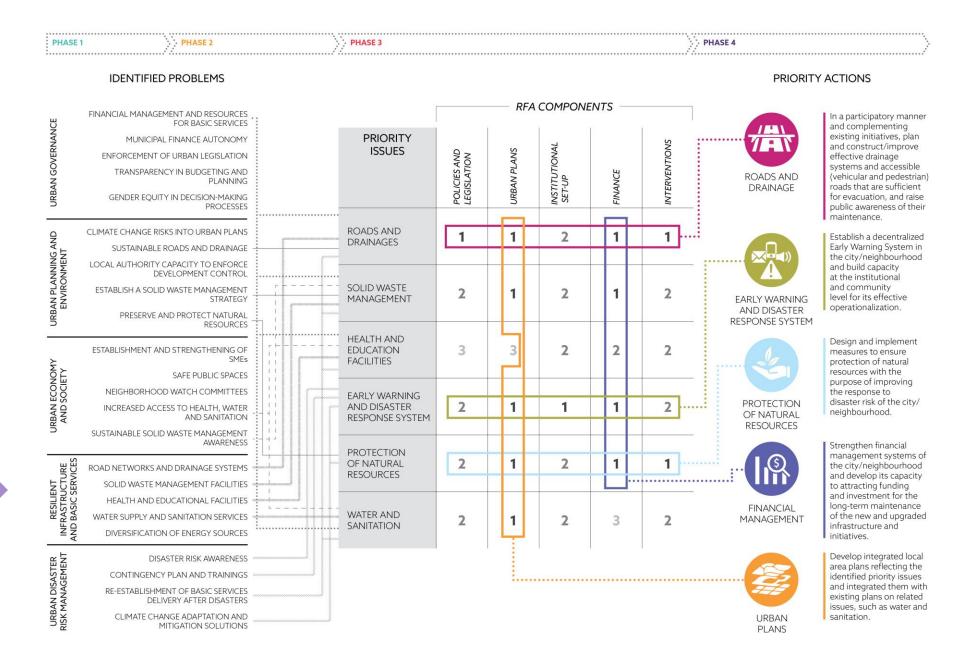
Phase 2

Phase 3

Phase 4



From the identified problems to the planned actions





Phase 1

Phase 2

Phase 3

Phase 4

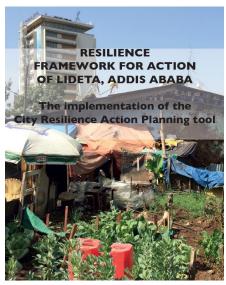


How does a City RFA (Resilience Framework for Action) look like?

The document includes:

- Introduction/Background
- Rapid city risk profile, using the preliminary questionnaire and the updated city risk map
- The CityRAP Tool process, which includes details of the different implementation stages
- Overview of the city RFA (including priority actions and activities)
- Priority actions sheets (listing activities and responsible entities)
- Concept notes of bankable projects
- Monitoring and evaluation framework
- Conclusions and way forward





Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4





Monitoring and evaluation framework

- An external/independent body/consultant should be responsible for monitoring the progress made in implementing the City RFA every two years.
- The RFA is updated based on the recommendations derived from the 2-years evaluation report.

Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4



Validation workshop, RFA endorsement and dissemination



- Half-day workshop to submit the City RFA to relevant authorities, potential donors, key partners and media.
- The validated and edited City RFA should be formally endorsed by the municipal authorities according to their own procedures.
- Roadmap for dissemination, financing and implementation.

Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4







- Maximum six priority
 actions are selected and
 validated.
- The final city RFA document is completed, validated, endorsed and disseminated.

Where did we start?

Key challenges for building resilience: CityRAP response

- 1. Lack of technical capacity and experience
- Transfer skills and tools to municipal technicians (trainings, on-the-job exercises and group activities)
- 2. Lack of data and information
- Leverage local knowledge and information to kickstart processes
- Identify key gaps for future action through the RFA
- 3. Lack of financial resources
- RFA can be a powerful tool for mobilising and channelling resources







Thank you!