



GLOBAL
CENTER ON
ADAPTATION

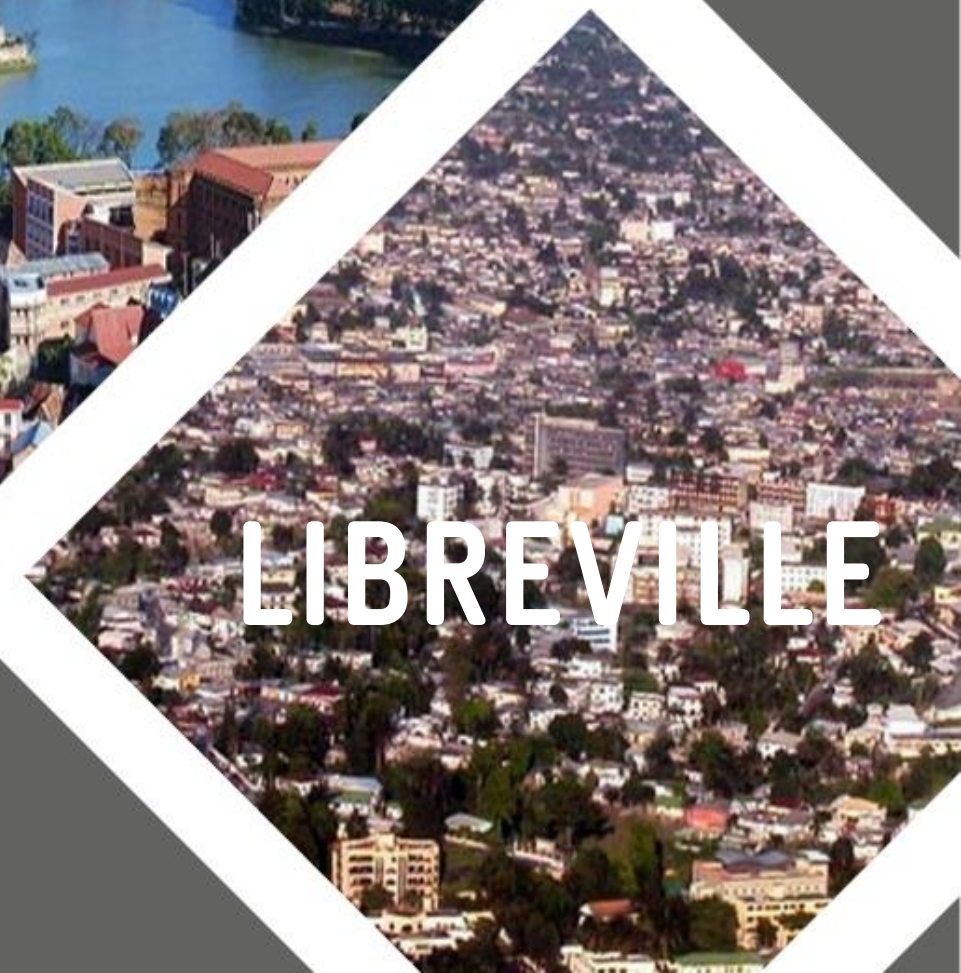


Final Report

Climate Risk Assessment

Urban Adaptation and Resilience in Africa

- Summary



LIBREVILLE

GABON



Population: 2,2 million

Male: 1,179,528 (50.86 %)

Female: 1,139,528 (49.14 %)

Provinces: 9

Capital: Libreville



Rural

Urban

CARTE ADMINISTRATIVE

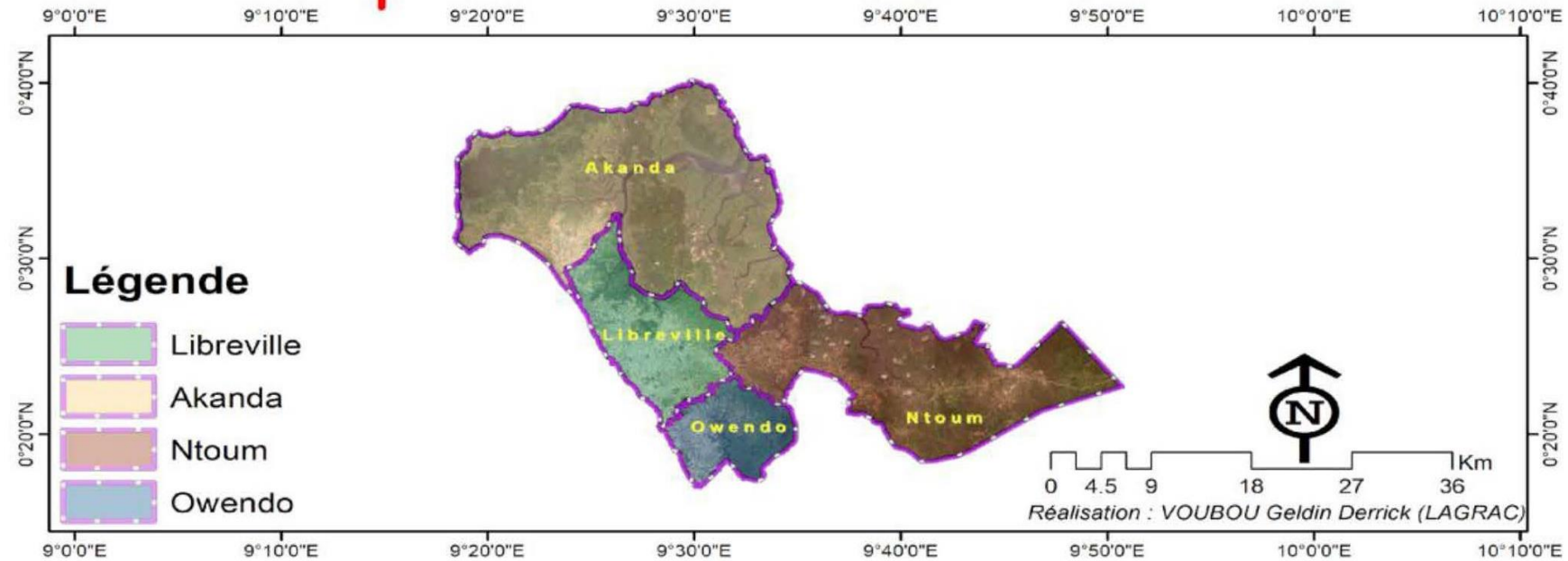
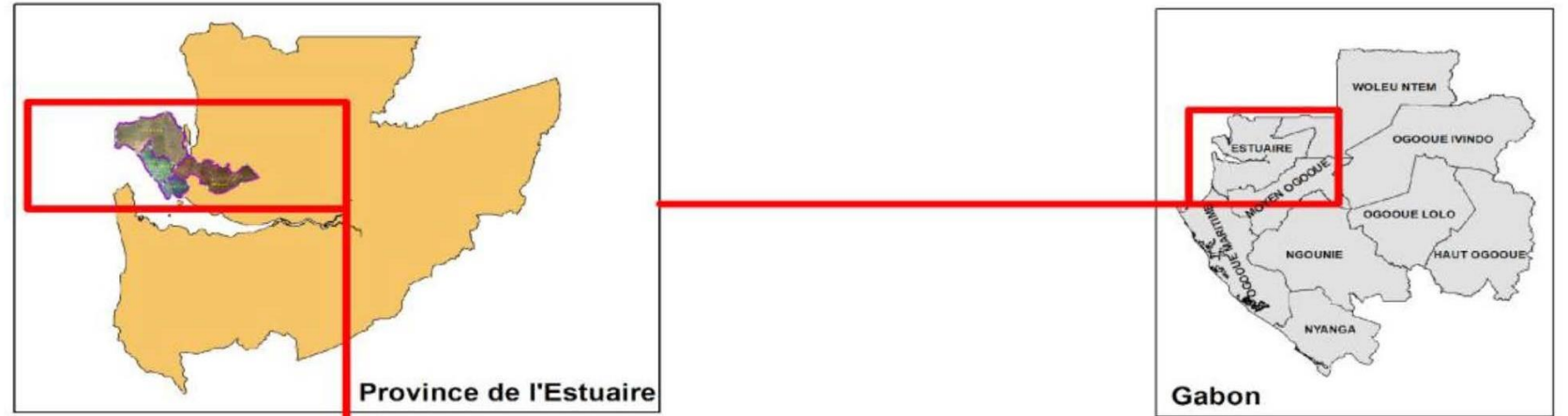


The great Libreville

Urban structure

4 communes:

- Libreville,
- Akanda,
- Ntoun and
- Owendo.



Source: Projet de Renouvellement, Renforcement et Extension du Réseau d'Eau du grand Libreville (PRERAEP)



Libreville

Population density

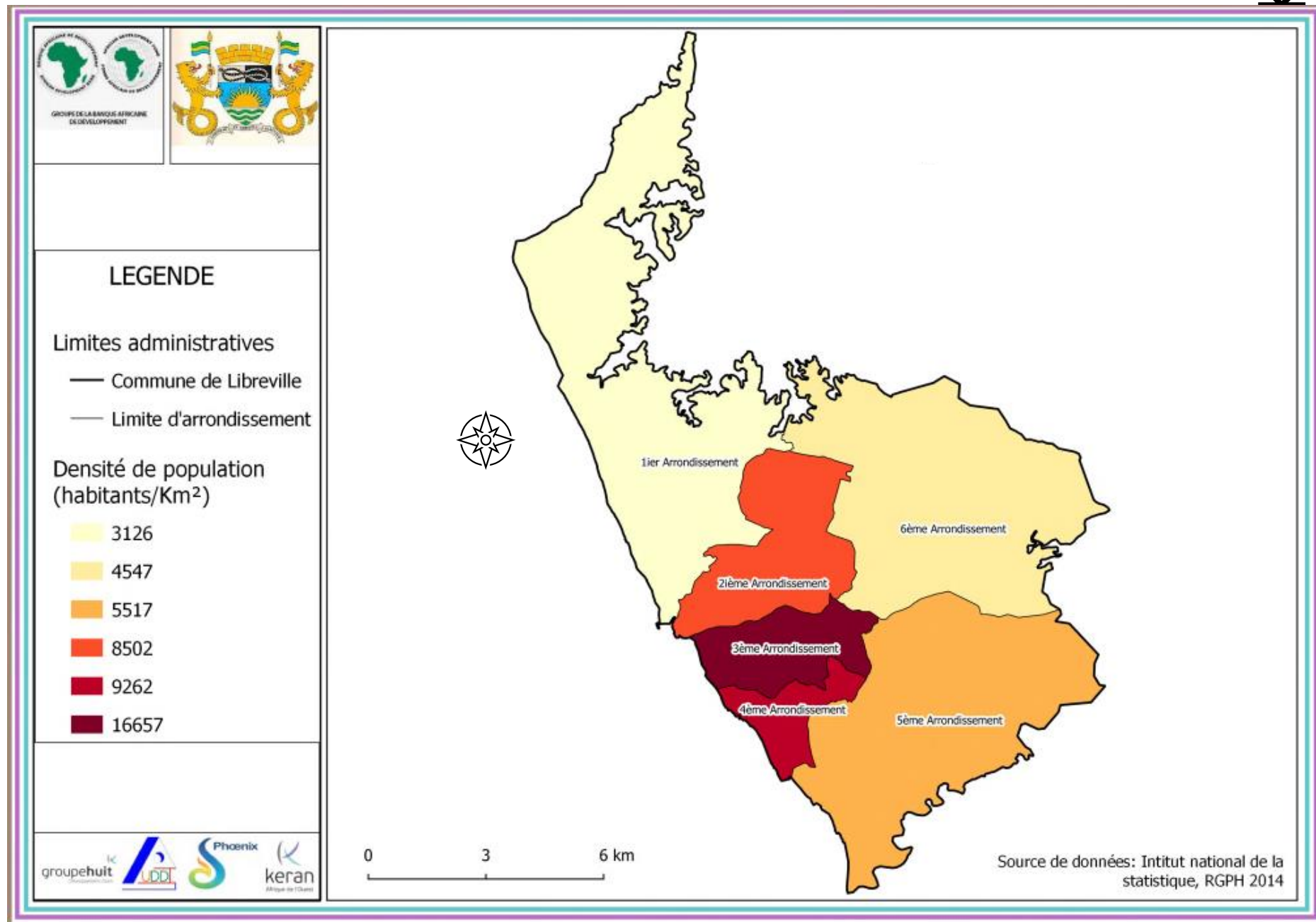
Population 2021:

873 925 hab

The city is divided into **6 districts.**

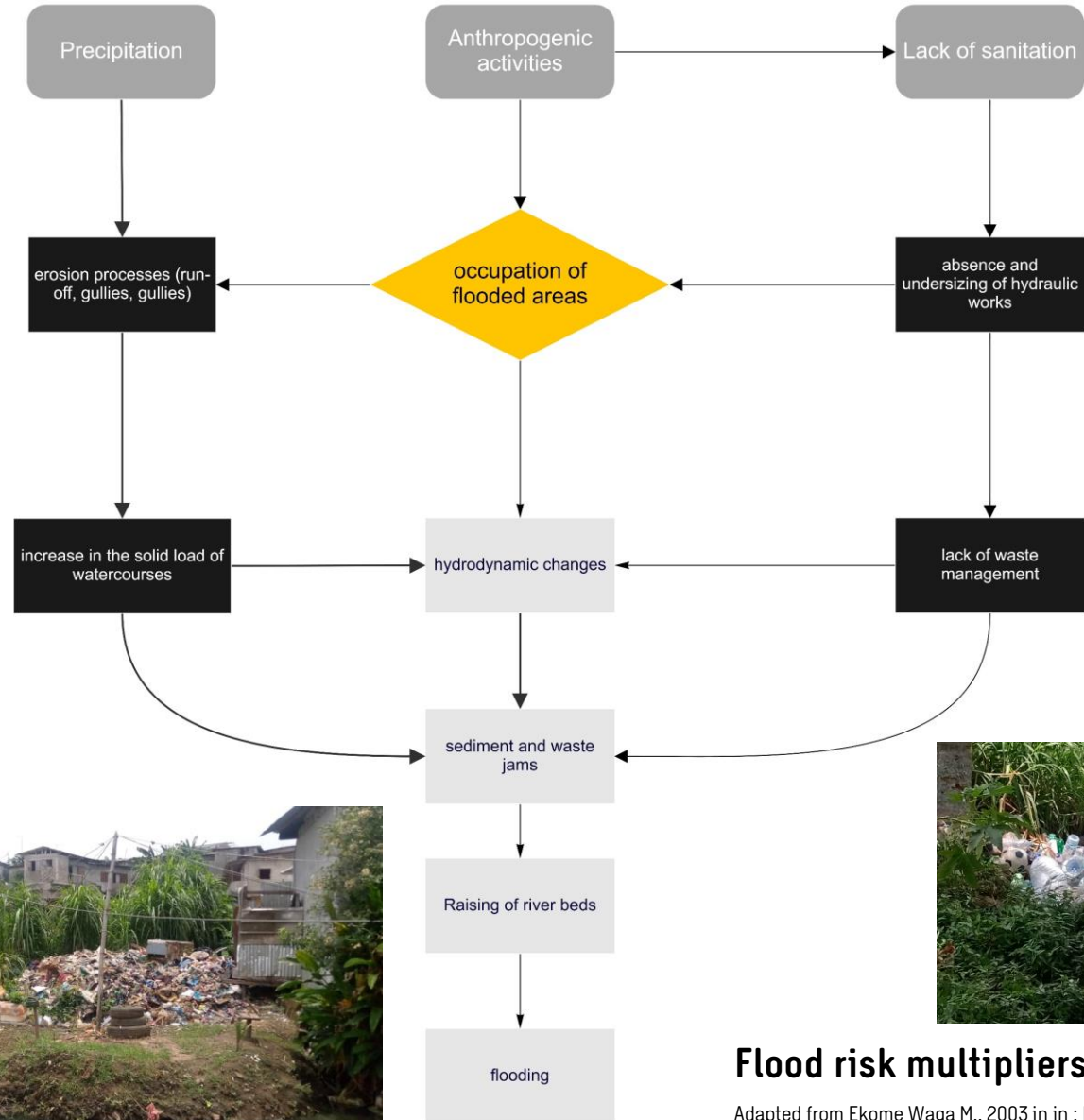
Population densities
3 000 to 16 000 Hab/Km²

Average density of 5 000 inhabitants/Km².





Libreville Flood



Flood risk multipliers in Libreville

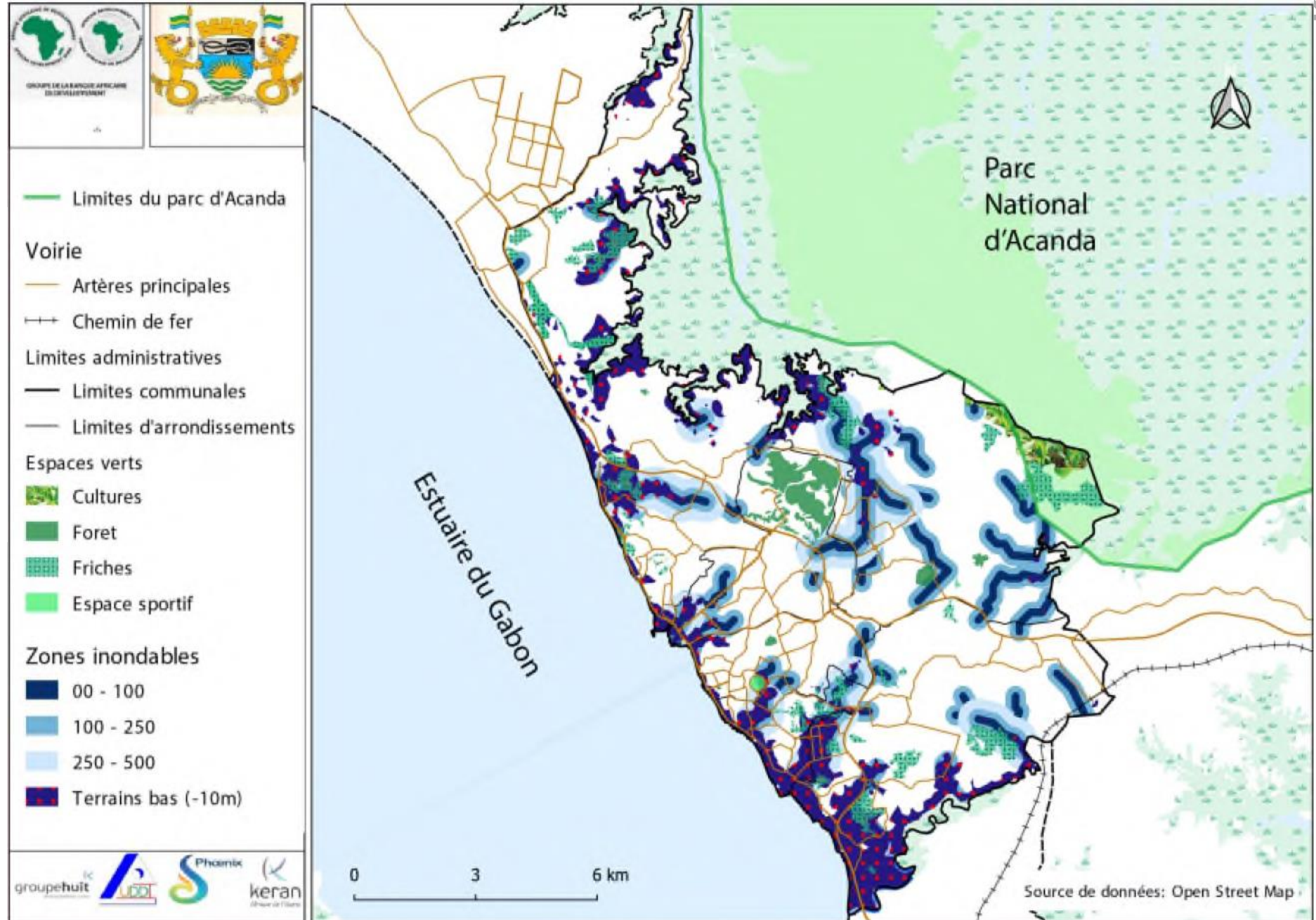
Adapted from Ekome Waga M., 2003 in in : BNETD, SDAU Libreville, Diagnostique urbaine

Libreville

Flood

37.04% of the Libreville population.

42.5% of the total surface area of the municipality.





Libreville

Main environmental challenges

1. Urban growth and Informal settlement

2. Surface water pollution

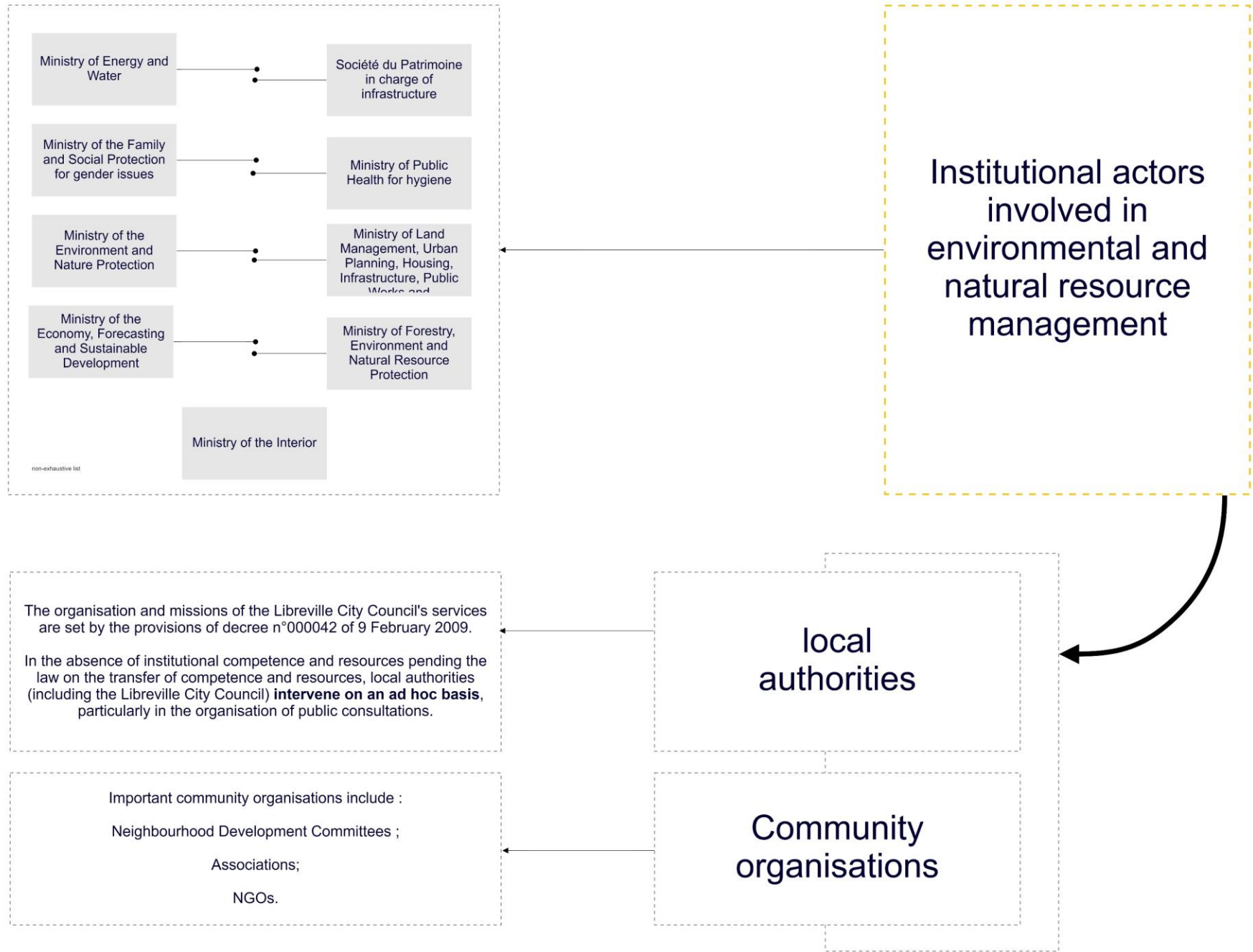
3. Waste management

4. Floods

Gabon

(water and climate)
Governance structure

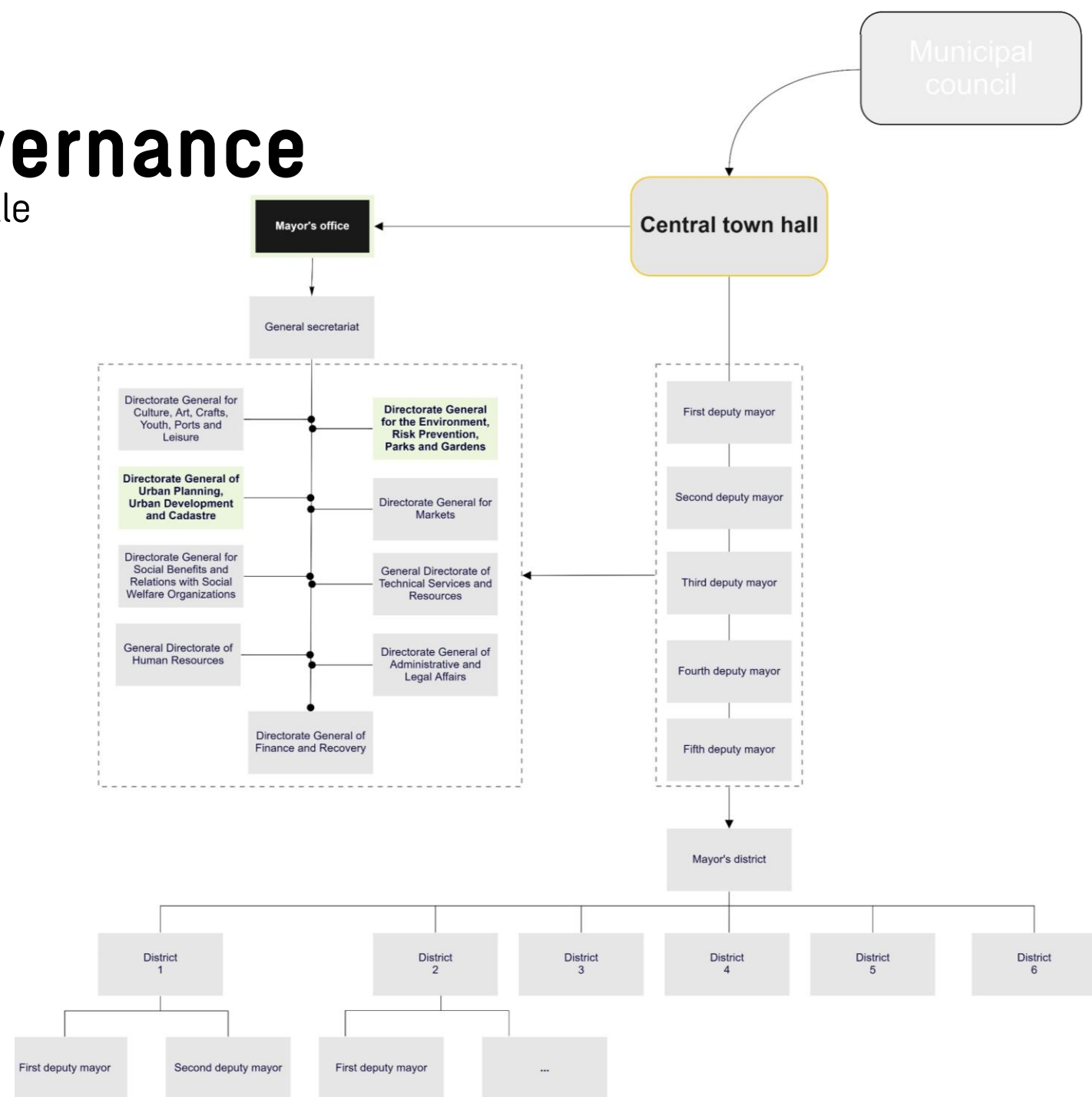
➤ Such a distribution of responsibilities gives the sector a fragmented character and makes it difficult to coordinate actions



Libreville- Governance

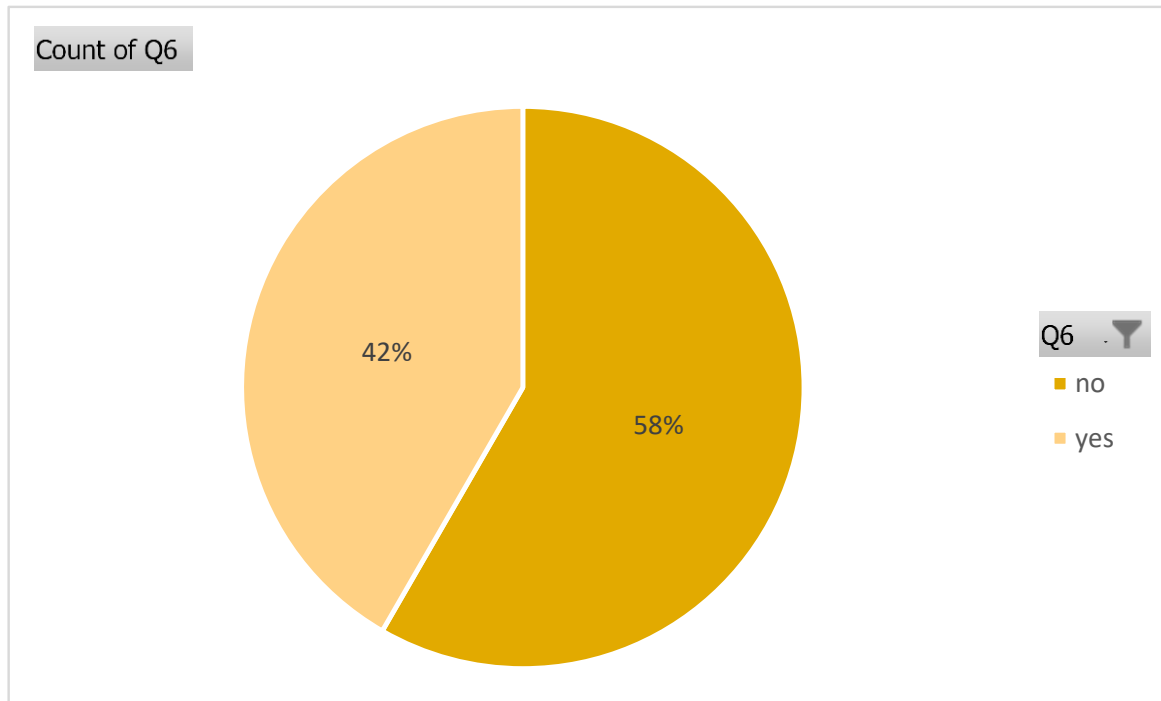
The Municipal Council of Libreville

- Problem of accusation and counter-accusation regarding responsibility for planning and service delivery issues in this city
- important that Libreville has political stability at its head with a constructive and progressive leadership in order to overcome the challenges and involve the population.



Libreville- Governance

Do you feel involved in the decision-making processes to make Libreville a more resilient city adapted to climate change?



Field survey results in the under-integrated area
9th-11 March 2022

58% of the population in the districts, 1, 3 and 5 do not feel involved in the decision-making process to make the city more resilient and adapted to climate change.

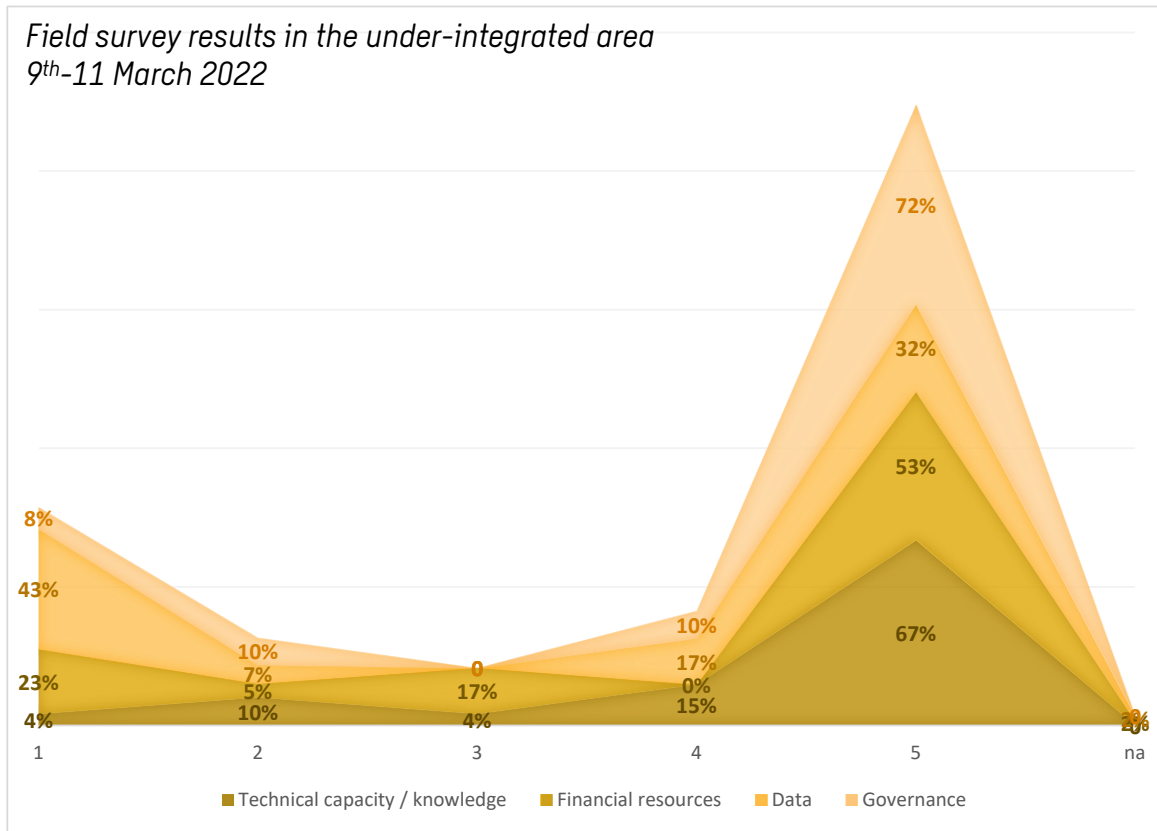
However, when we ask to the residents their opinion *on what should be the priority of Libreville* when it comes to making the city more resilient and adapted to climate change, we find that **all the people interviewed have an opinion** on the issue and wish to actively participate in the debate*.

*Cf. No regrets measure's part

Libreville- Governance

Do you think the city has the capacity to make Libreville climate resilient?

Field survey results in the under-integrated area
9th-11 March 2022



We asked residents to rank on a scale of 1 to 5* what they perceived to be the city's capacity in terms of available technical capacity and knowledge, financial resources, data and governance available to make the city more resilient.

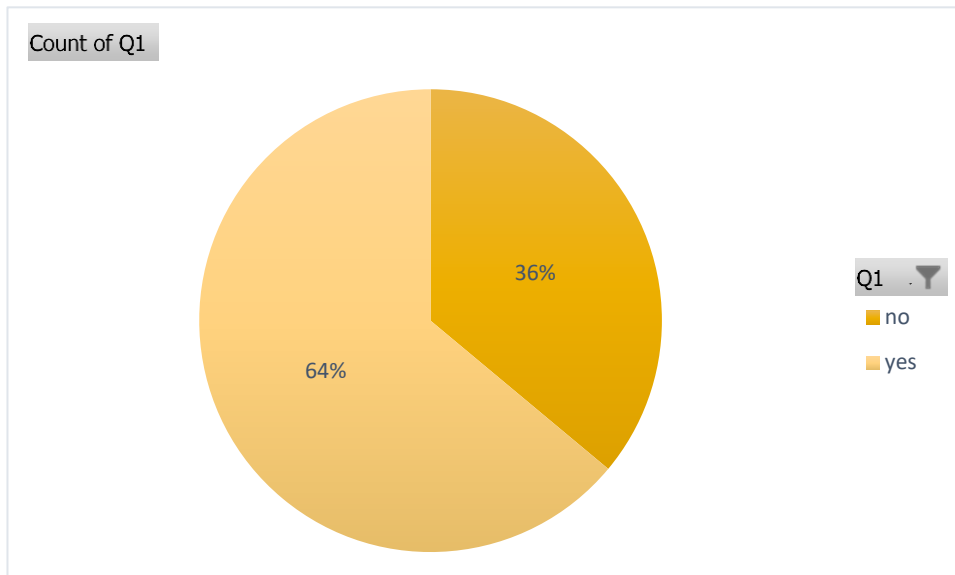
The results show that there are still **doubts about the availability of financial resources and access to data**, but residents are **confident** about the **technical capacity and governance**.

*1 means that the city lacks capacity completely, and 5 means that there is 100% of the required capacity

Hazard: from the population perception

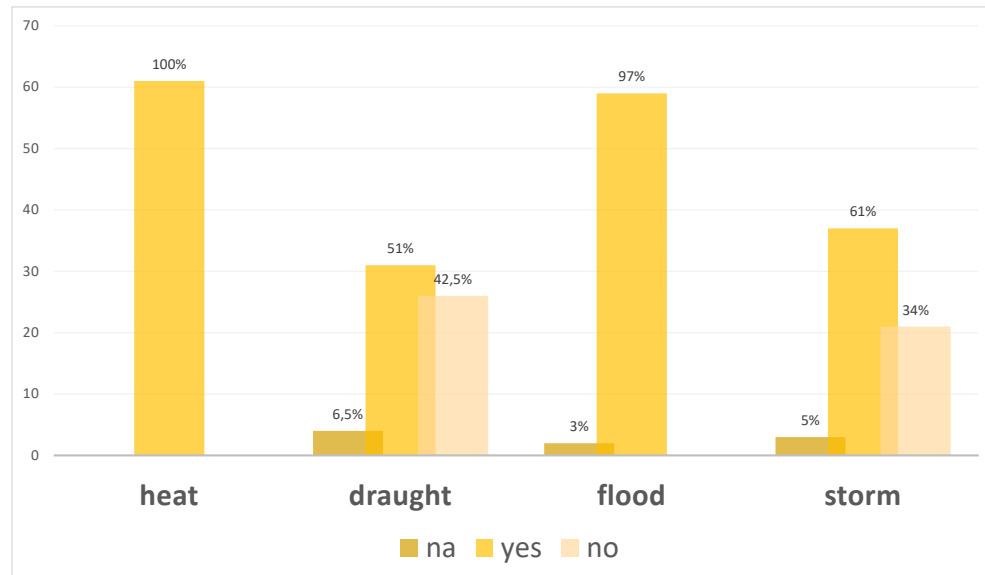
Test awareness

Do you know what the effects of climate change are in Libreville?



A 2/3 majority knows the effects of climate change.

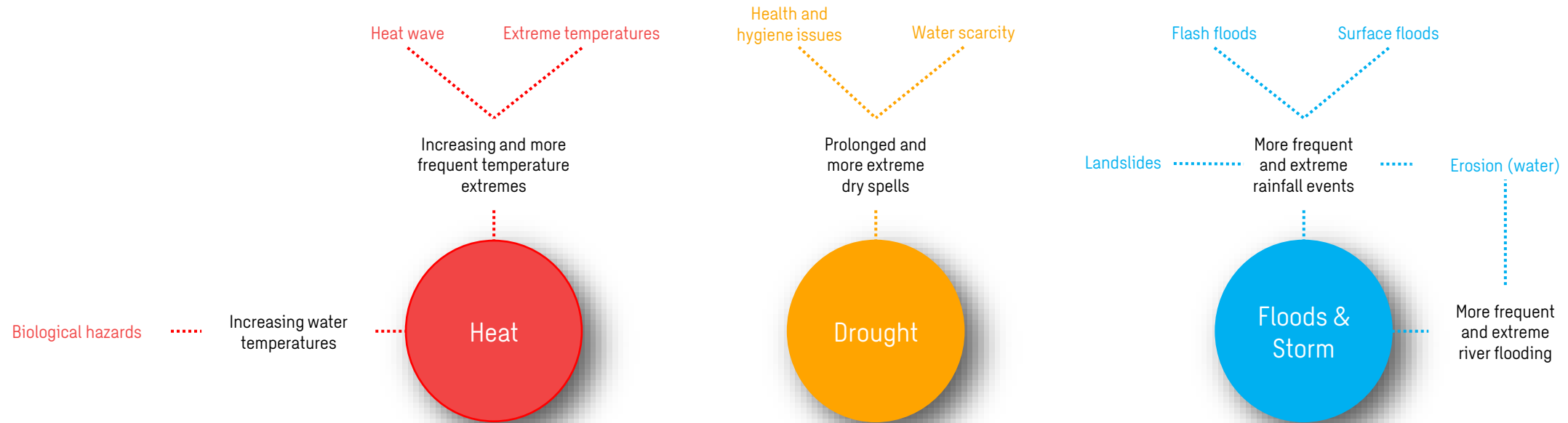
Do you feel affected by the impacts of



Almost all have been affected by **heat** and **flooding**. More than half have been affected by drought and storms as well.

Field survey results in the under-integrated area
9th-11 March 2022

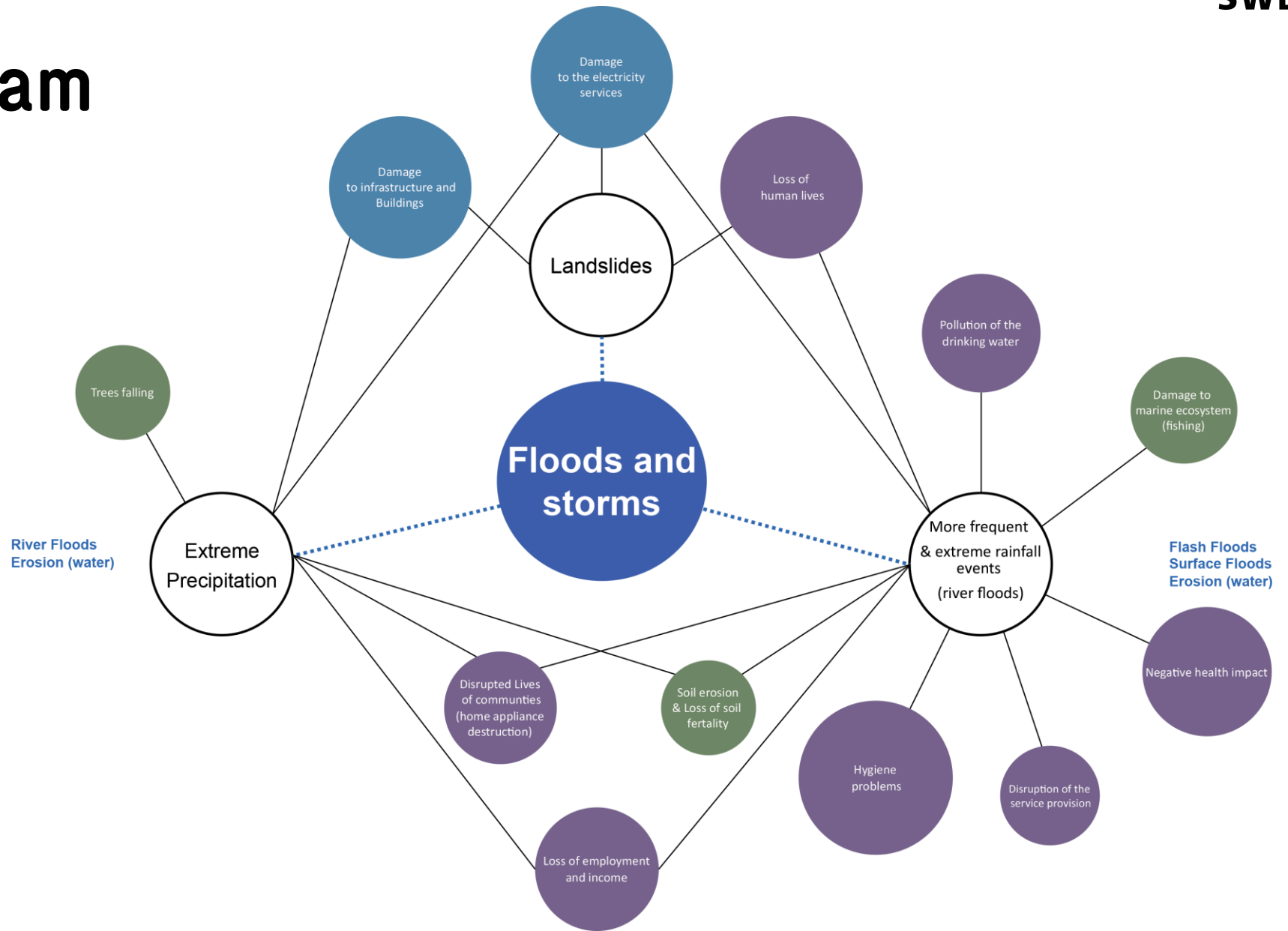
Hazard Assessment








LEGEND

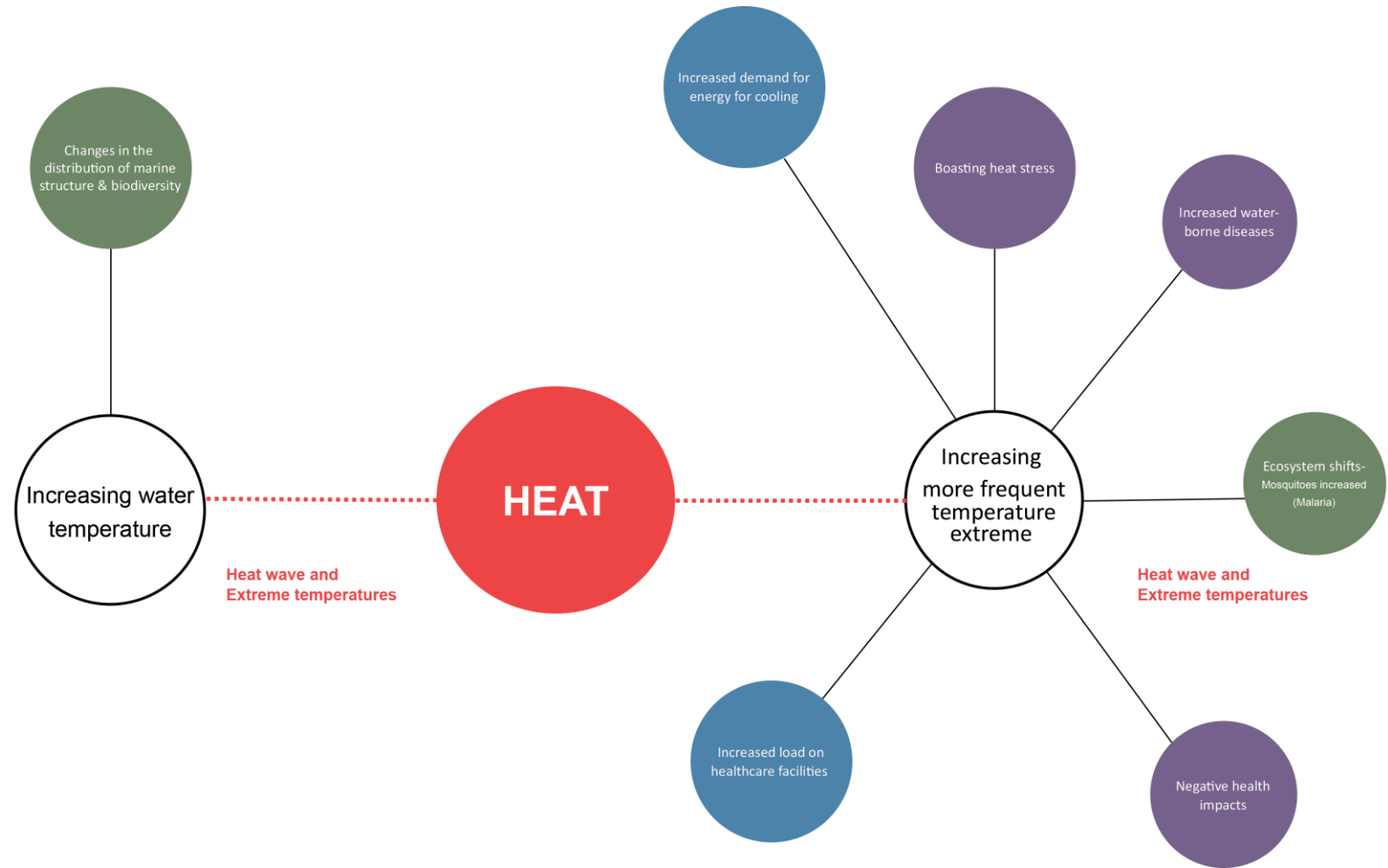
In black: Primary Climate Hazard
In colour: Secondary Climate Hazard

Impact diagram

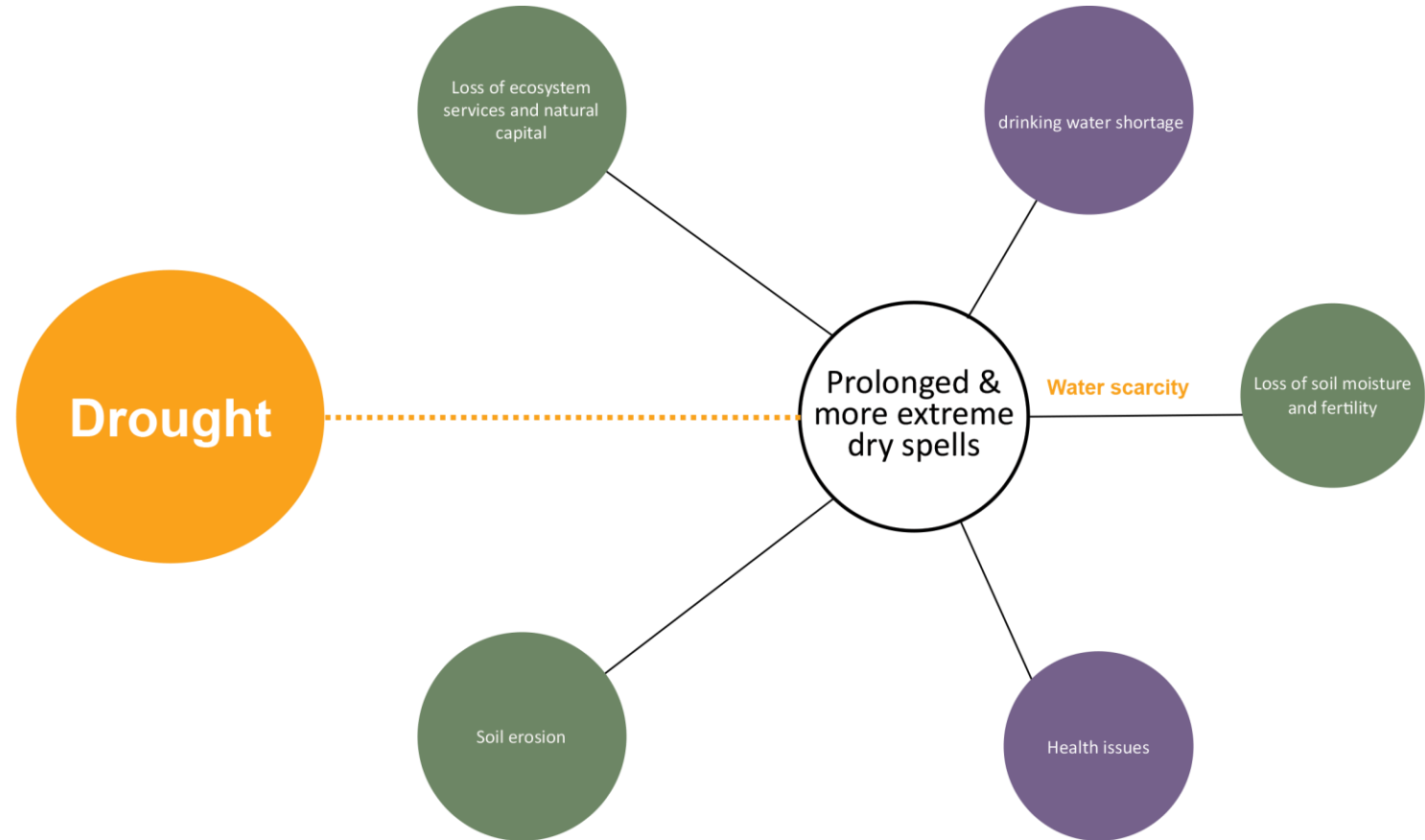







-  Climate hazards
-  Natural impacts
-  Social impacts
-  Economic impacts
-  Highly prioritized impacts

Impact Diagram



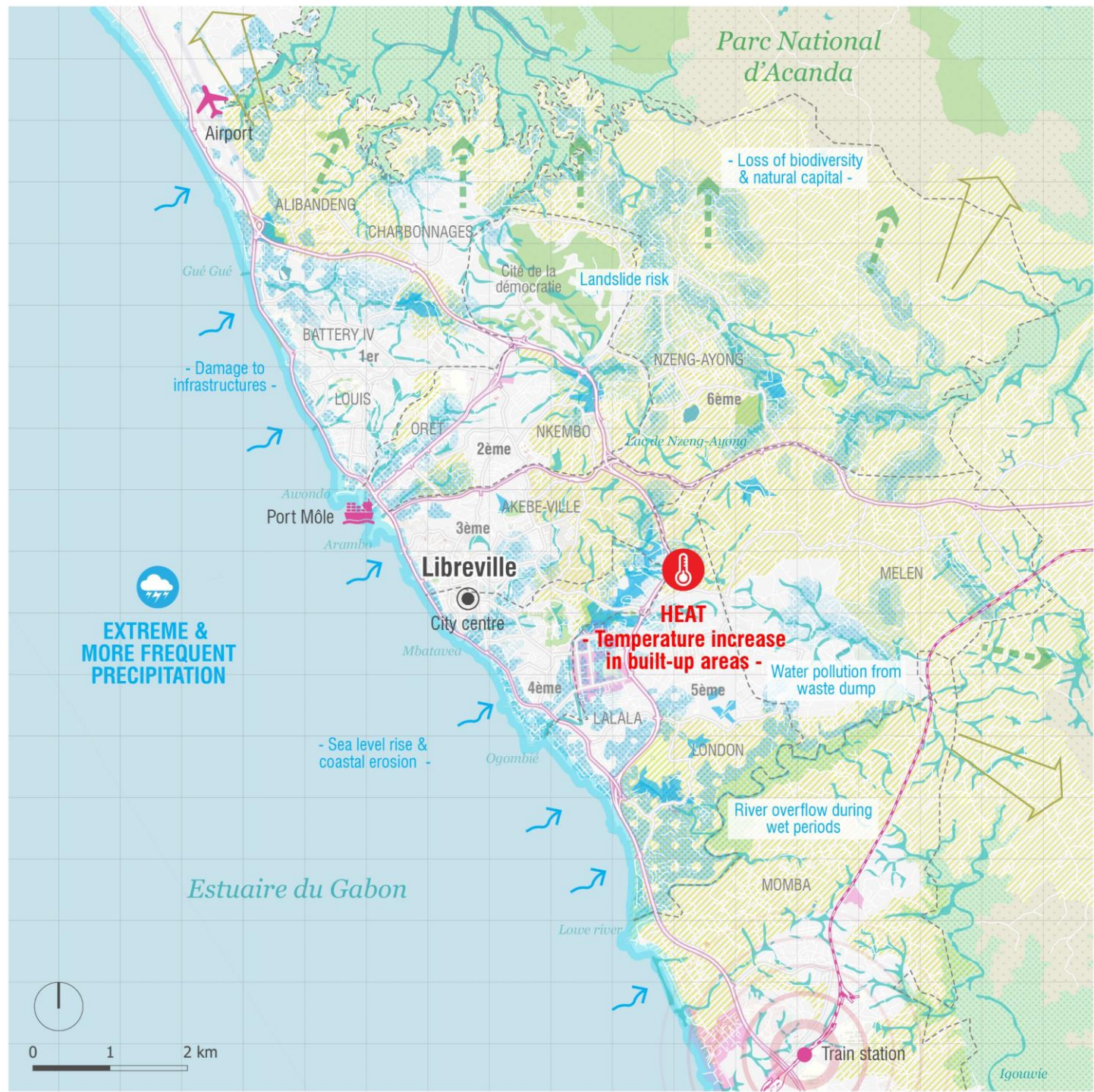
Impact diagram



-  Climate hazards
-  Natural impacts
-  Social impacts
-  Economic impacts
-  Highly prioritized impacts

Libreville

Spatial Diagnostic



- Train station
- Rail line
- Main road
- Secondary road
- Airport
- City centre
- Administrative boundary
- Floodable area
- Green areas
- Lake
- River
- Informal settlements
- Built up areas
- Economic zone
- Drought
- Deforestation
- Urban growth direction



Past and planned investments– Citizens

Are you aware of any projects underway in Libreville to help reduce climate risks (water management, sanitation...)?

87% NO

Most of the respondents answered negatively when asked if they knew of any projects underway in the city to make it more climate resilient.

Among the projects mentioned by the **13% who have knowledge** of actions underway in the city, the **watershed and river projects** are the ones that are mentioned.

Politics of Eviction was also discussed in an interview.

- These results show the difficulty that the city has in communicating about these projects and involving the most vulnerable populations in the definition of these projects.

Past and planned investments– Citizens

Are you aware of any citizen initiatives in Libreville to help reduce climate risks?

30% YES

“

Introduction of the cleanest district award

*The institution of a citizens' day (grass removal;
cleaning of canals...)*

AAG (Association to Act for Gabon)

CJK (community of young people of Kalisalk)

”

Citizens' day

Gabon : La journée de nettoyage des plages célébrée ce week-end à Libreville

🕒 4 mois ago



<https://www.agencequateur.com/?p=6137>



INONDATIONS : LE "REEL" VEUT SOULAGER LES POPULATIONS DE LA CITÉ MEBIAME"

🕒 07 Mar, 2022 👤 l'Union 💬 0 Commentaires 👥 2278 vues

<https://www.union.sonapresse.com/gabon-culture-societe/inondations-le-reel-veut-soulager-les-populations-de-la-cite-mebiame-24657>



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