

Vulnérabilité et résilience climatique des villes européennes

Track 4

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22.10.2020

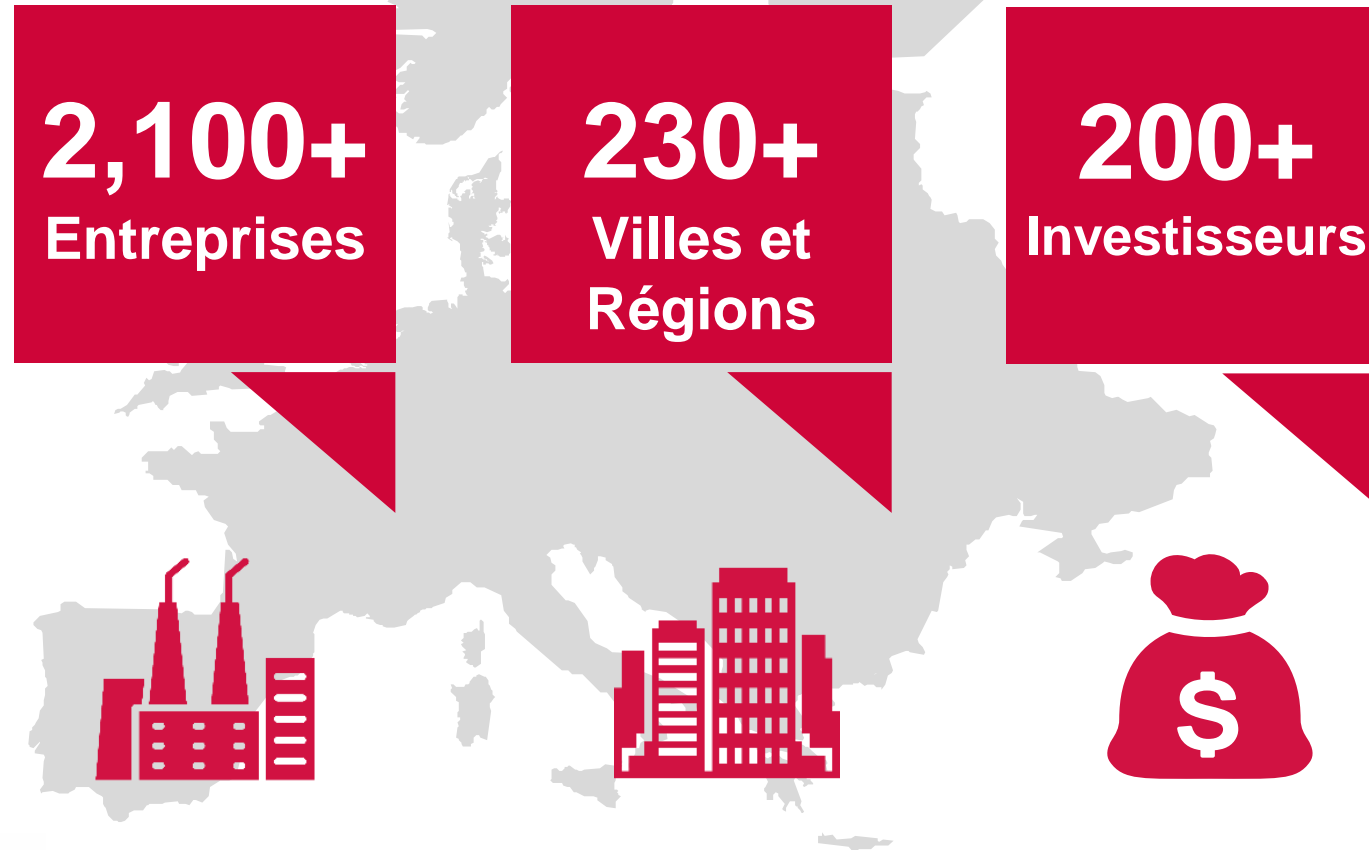
Séminaire Smart Governance 2020



77% des villes connaîtront un
changement radical des conditions
climatiques au cours des 30
prochaines années

Les villes seront là où la lutte
contre le changement climatique
sera perdue ou gagnée

CDP Europe en chiffres



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Le Questionnaire CDP Villes 2020



Aléas climatiques
et vulnérabilités



Adaptation



Émissions à
l'échelle de la ville



Réduction des
émissions



Opportunités



Énergie



Transport



Alimentation



Déchets



Sécurité hydrique



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CDP Open Data Portal



Explore CDP cities and regions data

Search hundreds of data sets on local action towards a global sustainable economy

- Emissions**
Find all datasets on greenhouse gas emissions
- Renewable Energy**
Find all datasets on low or zero-carbon energy
- Mitigation Actions**
Find all datasets on subnational climate change mitigation
- Climate Hazards**
Find all datasets on subnational climate risks
- Opportunities**
Find all datasets on economic opportunities of climate change
- Governance**
Find all datasets on subnational governance
- Water**
Find all datasets on water management and water security
- Adaptation Actions**
Find all datasets on subnational climate change adaptation



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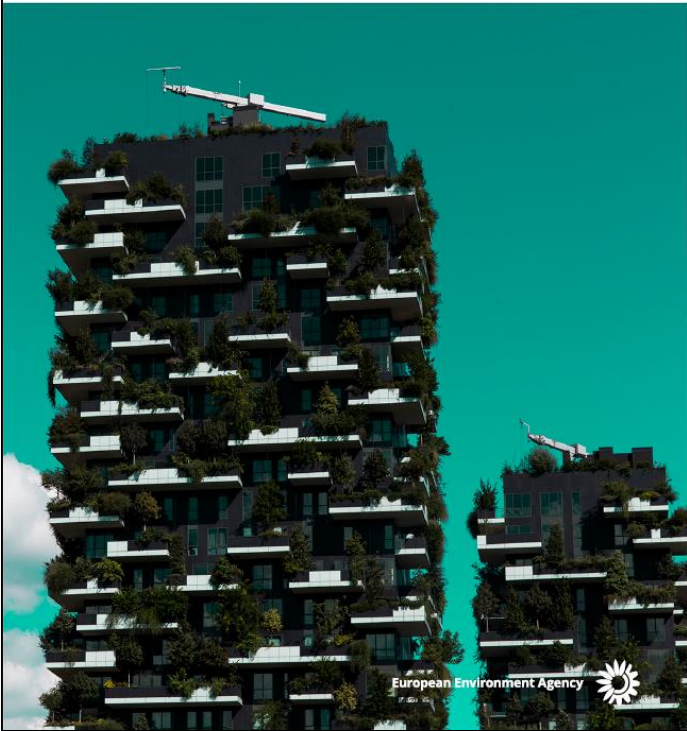


Les utilisateurs de nos données




EEA Report | No 12/2020

Urban adaptation in Europe: how cities and towns respond to climate change



European Environment Agency



Cities at risk: dealing with the pressures of climate change

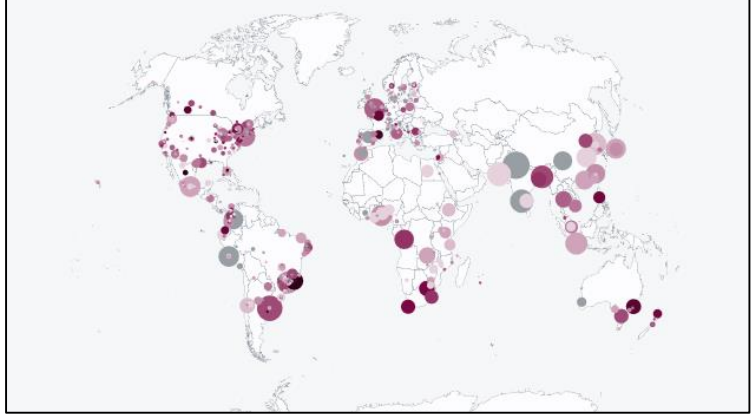
We live in a rapidly urbanizing world. In the next 30 years, some **70 million people will move to urban areas** every single year. By 2050, two-thirds of the global population will live in cities.

We are already seeing the impacts of climate change which, unchecked, will subject populations to untold risk and suffering, push already struggling services to the brink and undermine city government's efforts to protect their citizens.

The first step to managing risk, is to measure it. In 2018, over 620 cities disclosed climate and environmental data to CDP. 530 of these cities - representing a combined population of 517 million - reported on climate hazards.

No city is safe, cities in all corners of the world are facing climate risks

Cities are asked to disclose their potential climate hazards and their expected severity to CDP. Using this data each city has been given a 'hazard score' - calculated by multiplying the number of risks reported, by the severity reported (Less Severe = 1, Severe = 2, Extremely Severe = 3). The darker the plot, the higher the hazard score. This indicates that a city may be at high risk, but also demonstrates that said city is thoroughly measuring their risks, and so are better placed to manage them. Hover over the circles to explore which cities reported which hazards to CDP in 2018. The size of each cities plot represents the size of their population.

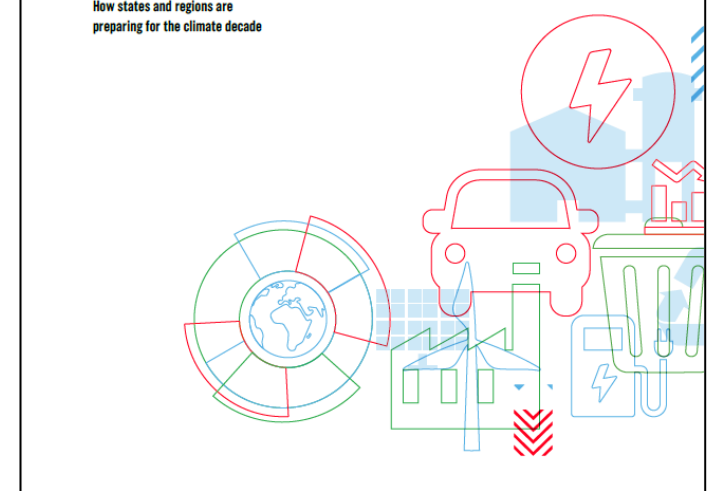


2019 UPDATE

GLOBAL STATES AND REGIONS

ANNUAL DISCLOSURE

How states and regions are preparing for the climate decade



CDP DISCLOSURE INSIGHT ACTION

THE CLIMATE GROUP

Les utilisateurs de nos données



City name

This snapshot report presents the score that City received for its response to the 2019 questionnaire. CDP uses the scoring methodology to incentivize cities to measure and manage environmental impacts. This report can be used as a tool for gaining an overview of environmental performance and how the city's response can be improved in the future. Responses are scored by CDP and CDP's scoring partner ADEC, using the [2019 CDP Cities Scoring Methodology](#). Scores are private to cities although CDP will recognize and reward the highest scoring cities.

Final overall scores

| Final overall Score | Final overall Scoring band | Regional Distribution | Global Distribution |
|---------------------|----------------------------|-----------------------|---------------------|
| A | Leadership | | |

Scoring measures progress towards environmental stewardship

The bar chart above shows the count of scores achieved by cities in Europe. The score for City of Oslo is shown in red.

The bar chart above shows the count of scores achieved by cities globally. The score for City of Oslo is shown in red.

Adaptation and Mitigation Scores

CDP has broken down your response into two main themes: Adaptation and Mitigation to assess your city's climate action. Note, cities who do not receive an overall score in Leadership (A or A-) will not qualify for an A in their Adaptation or Mitigation score. For more information on which sections fall into each theme, please review the [Scoring methodology](#).

| Adaptation | Mitigation |
|--|---|
| A | A |
| Cities preparing for, and adjusting proactively to, actual or expected impacts of climate change | Cities measuring and reducing emissions to enabling a move towards net zero |
| C | D |
| C | D |
| Europe Average score Global Average score | |

Find more about CDP Cities at <https://www.cdp.net/en/cities>.

Information reported*

This panel indicates what information was provided by City in CDP's 2019 questionnaire which was used to determine your score. It also highlights some key points disclosed by cities globally and within your region.

| Information disclosed by City name | % Europe | % Globally |
|--------------------------------------|----------|------------|
| Adaptation or Mitigation Commitment | ✓ 75% | 76% |
| Risk-wide GHG Emissions Inventory | ✓ 73% | 64% |
| Risk/Vulnerability Assessment | ✓ 64% | 60% |
| City-wide Emissions Reduction Target | ✓ 76% | 63% |
| Renewable Energy Target | ✓ 54% | 39% |
| Energy Efficiency Target | ✗ 33% | 25% |
| Climate Adaptation Plan | ✓ 50% | 44% |
| Mitigation Plan | ✓ 60% | 49% |

How to improve your city's score

Next steps for your city

| Adaptation | Mitigation |
|--|--|
| <p>Step 1: Consider regularly updating and monitoring your city's risk assessment which includes vulnerable populations.</p> <p>Step 2: Commit to ambitious adaptation targets that will ensure vulnerable populations are protected in the future and consider the interaction between your adaptation and mitigation actions.</p> <p>Step 3: With regards to water security, ensure water risk is regularly assessed and incorporated into considerations when identifying emissions reduction and adaptation goals.</p> | <p>Step 1: Regularly update and review your city-wide emissions inventory. Where changes occur in the methodology or more information is obtained, update the previous inventories so that data is comparable over time. Consider undertaking a consumption-based inventory for the city.</p> <p>Step 2: Consider implementing emission reduction targets that are more ambitious than the NDCs of your national government.</p> <p>Step 3: Showcase your city's leadership by committing to 100% renewable energy and/or energy efficiency targets.</p> |

[Click here](#) for a more detailed explanation of the score per band for each section of the questionnaire

Resources

| Benchmark Against Your Peers | Explore Data | Connecting to Finance |
|---|--|---|
| To see how your city compares to other cities, check out Cities Analytics | Explore all public information by accessing our Open Data Portal | Showcase relevant projects through our Matchmaker Program |
| 2019 City of Oslo Response | Understanding the Questionnaire | Learn and Progress |
| Download your full 2019 response | Read more on the topics highlighted here in the Cities Guidance | Request a score feedback call, e-mail: cities@cdp.net |



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Les Villes primées en 2019

Villes wallonnes, pensez à
votre reporting 2021 !



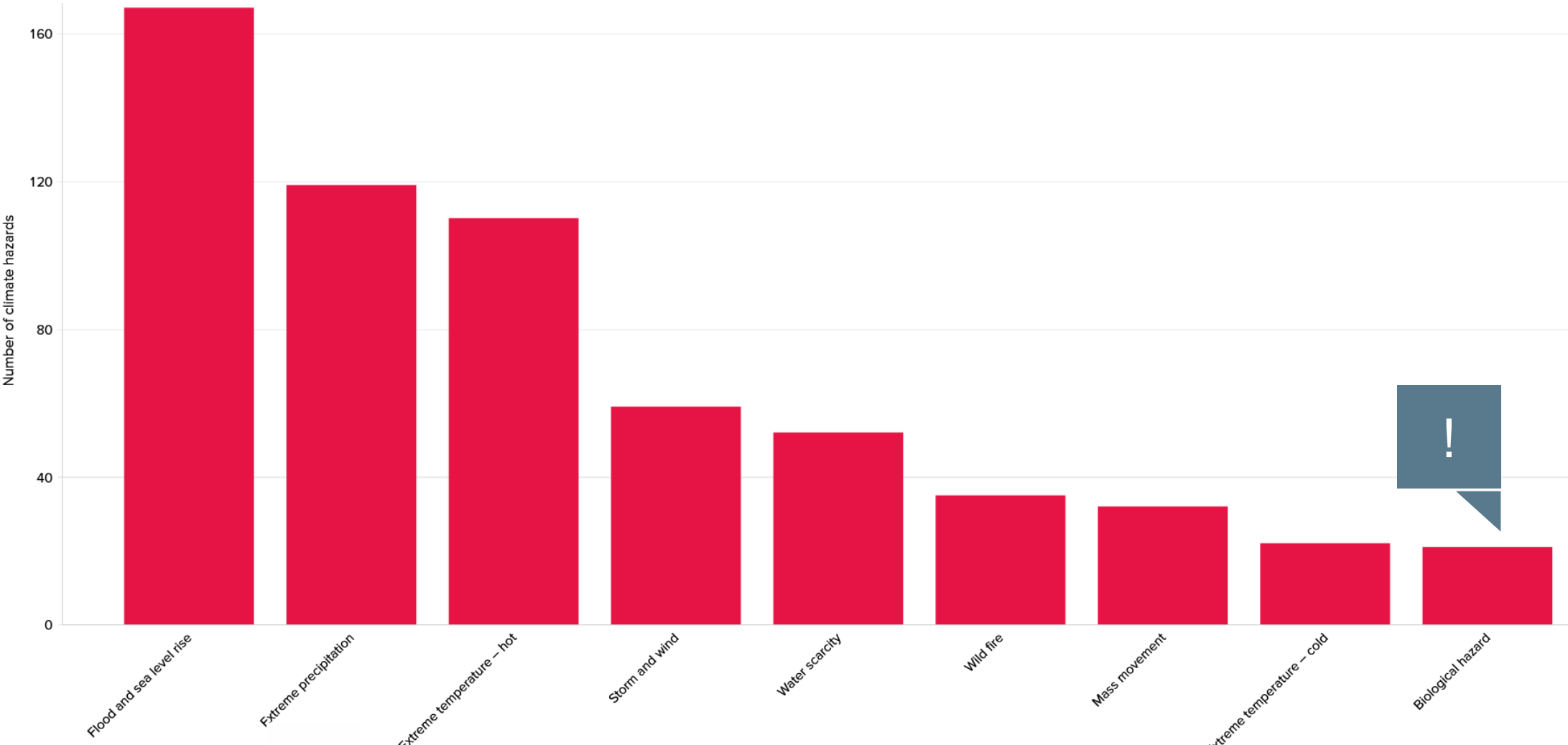
- ▼ Athens
- ▼ Bærum
- ▼ Barcelona
- ▼ Basel
- ▼ Berlin
- ▼ Bournemouth
- ▼ Coventry
- ▼ Gladsaxe
- ▼ Guimarães
- ▼ Heidelberg
- ▼ Helsingør
- ▼ Hoeje-Taastrup
- ▼ Hørsholm
- ▼ Lahti
- ▼ Leicester
- ▼ Lisbon
- ▼ London
- ▼ Malmö
- ▼ Manchester
- ▼ Örebro
- ▼ Oslo
- ▼ Paris
- ▼ Reykjavík
- ▼ Riga
- ▼ Sigtuna
- ▼ Sintra
- ▼ Sofia
- ▼ Stockholm
- ▼ The Hague
- ▼ Torino
- ▼ Turku
- ▼ Uppsala
- ▼ Västervik
- ▼ Vitoria-Gasteiz

34

villes européennes
notées "A" en 2019



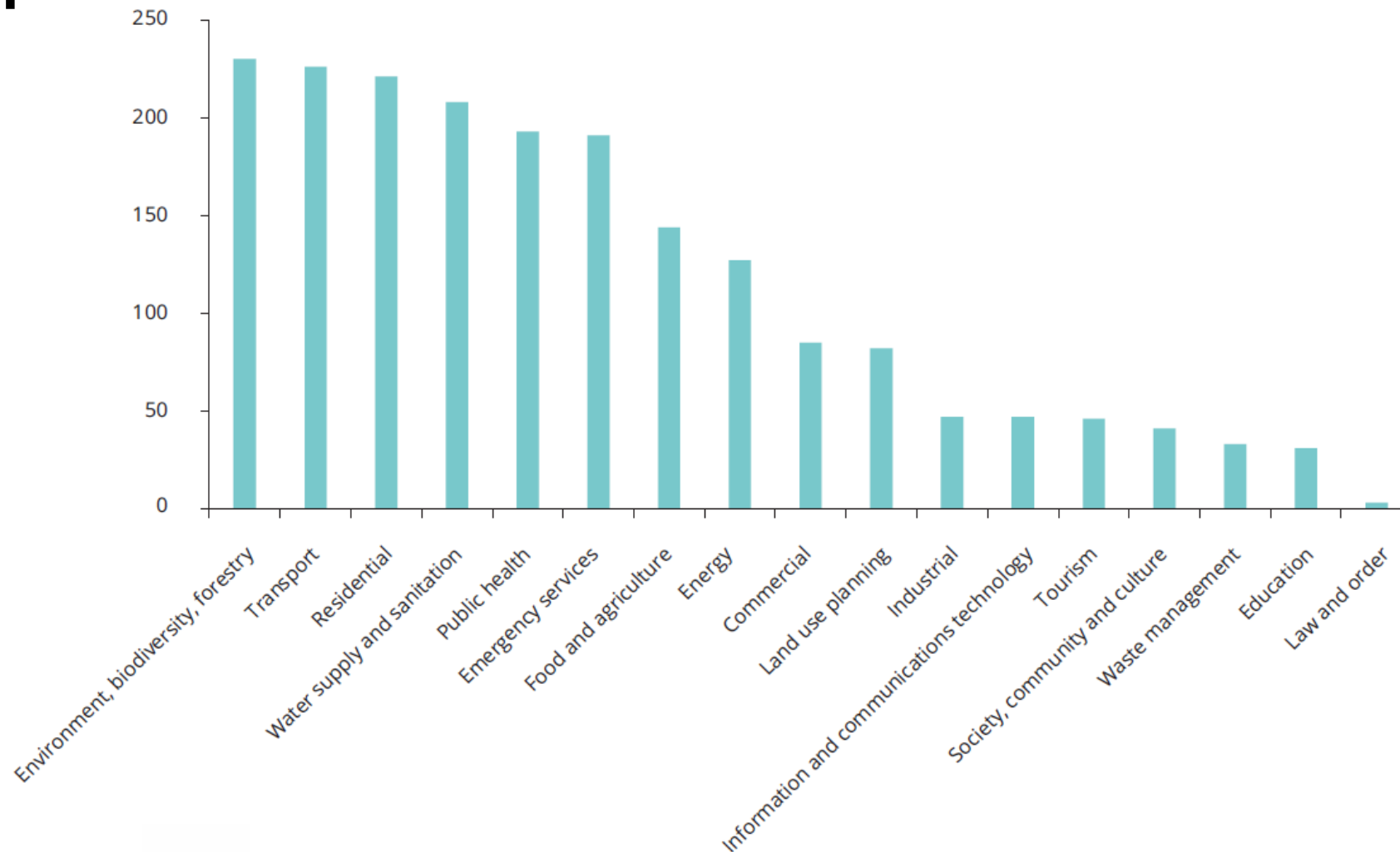
Risques rapportés par 177 villes européennes en 2019



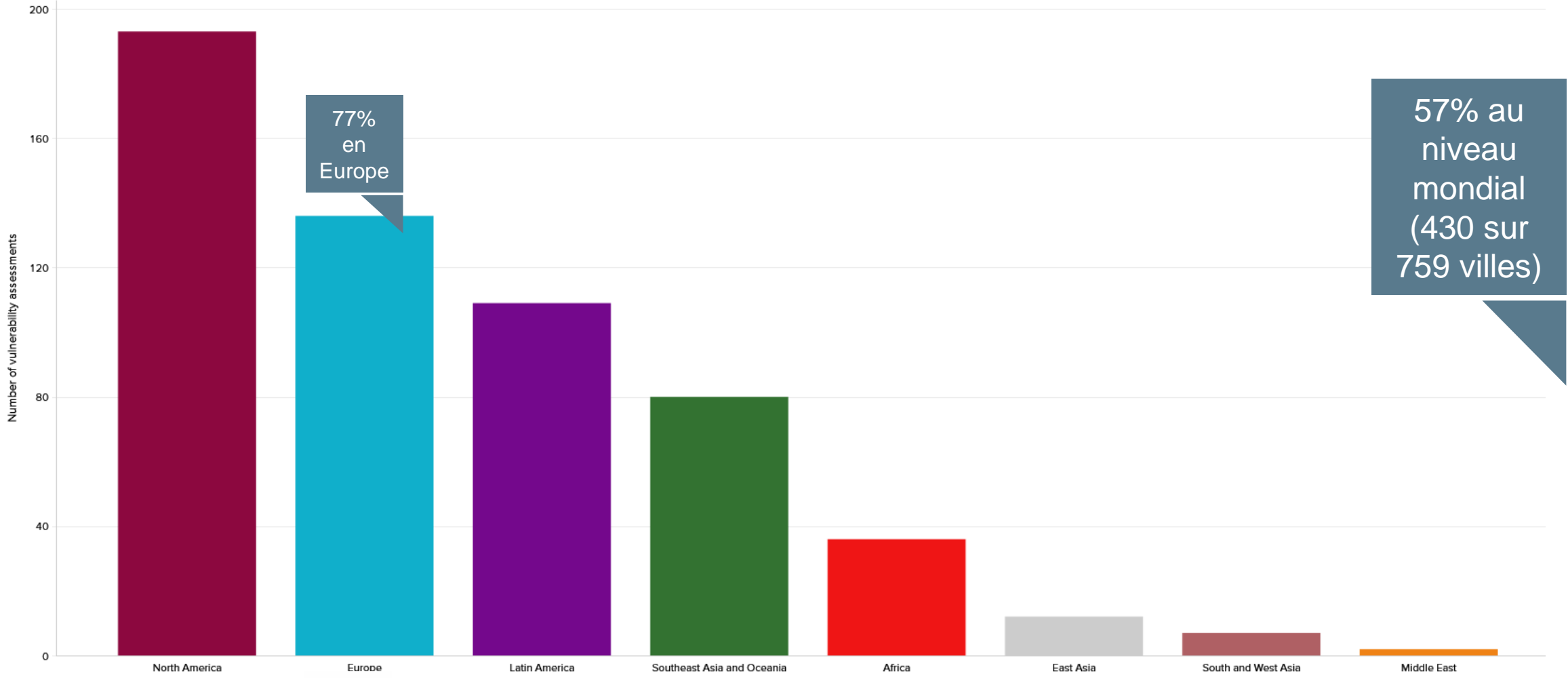
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“Atouts” municipaux les plus exposés aux risques climatiques



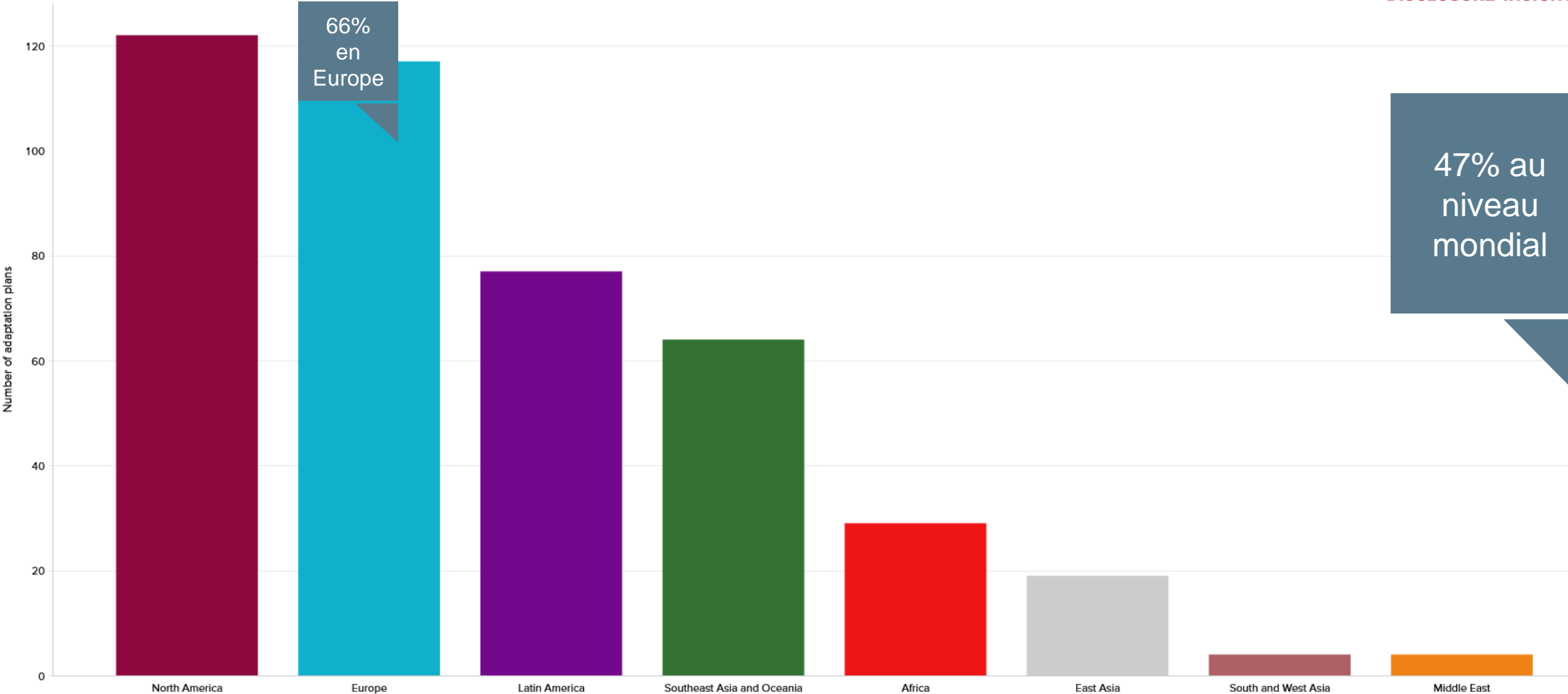
Diagnostics de vulnérabilité effectués par les villes



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Plans d'adaptation climatique municipaux

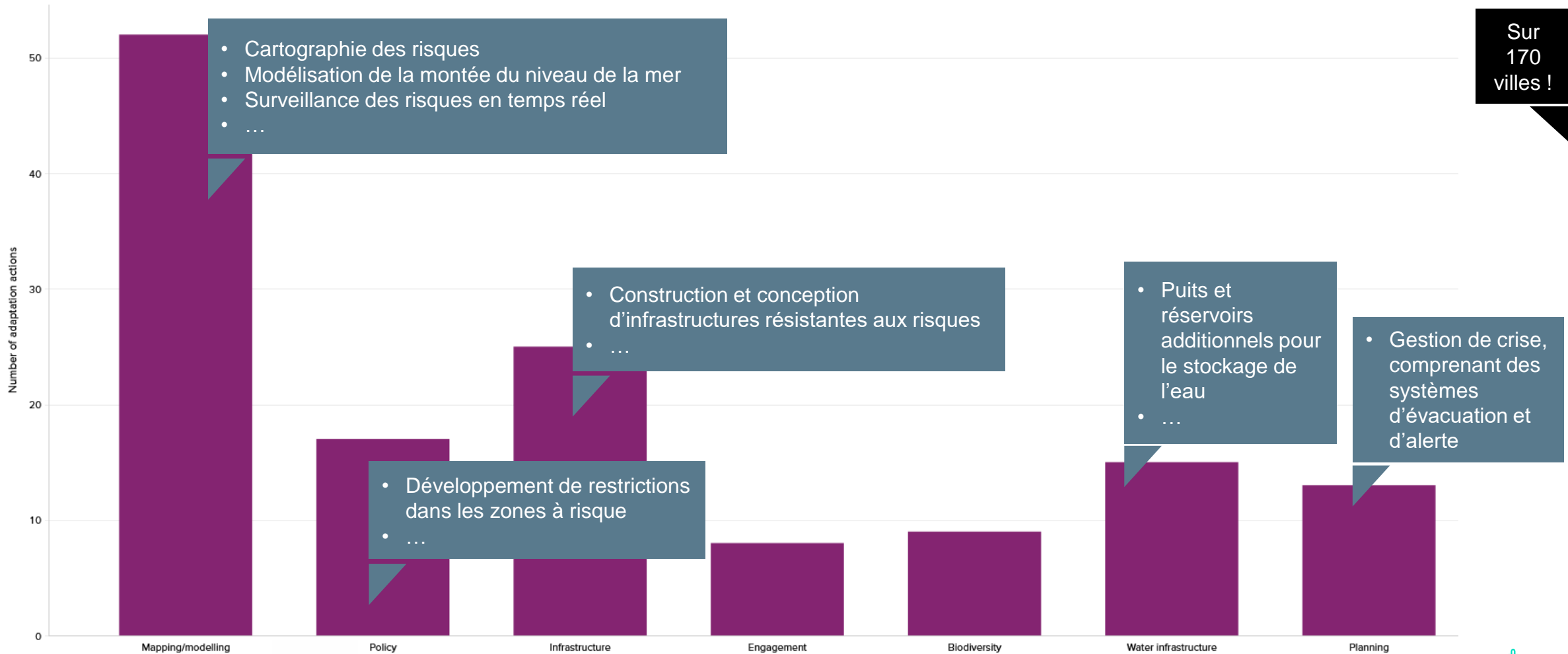


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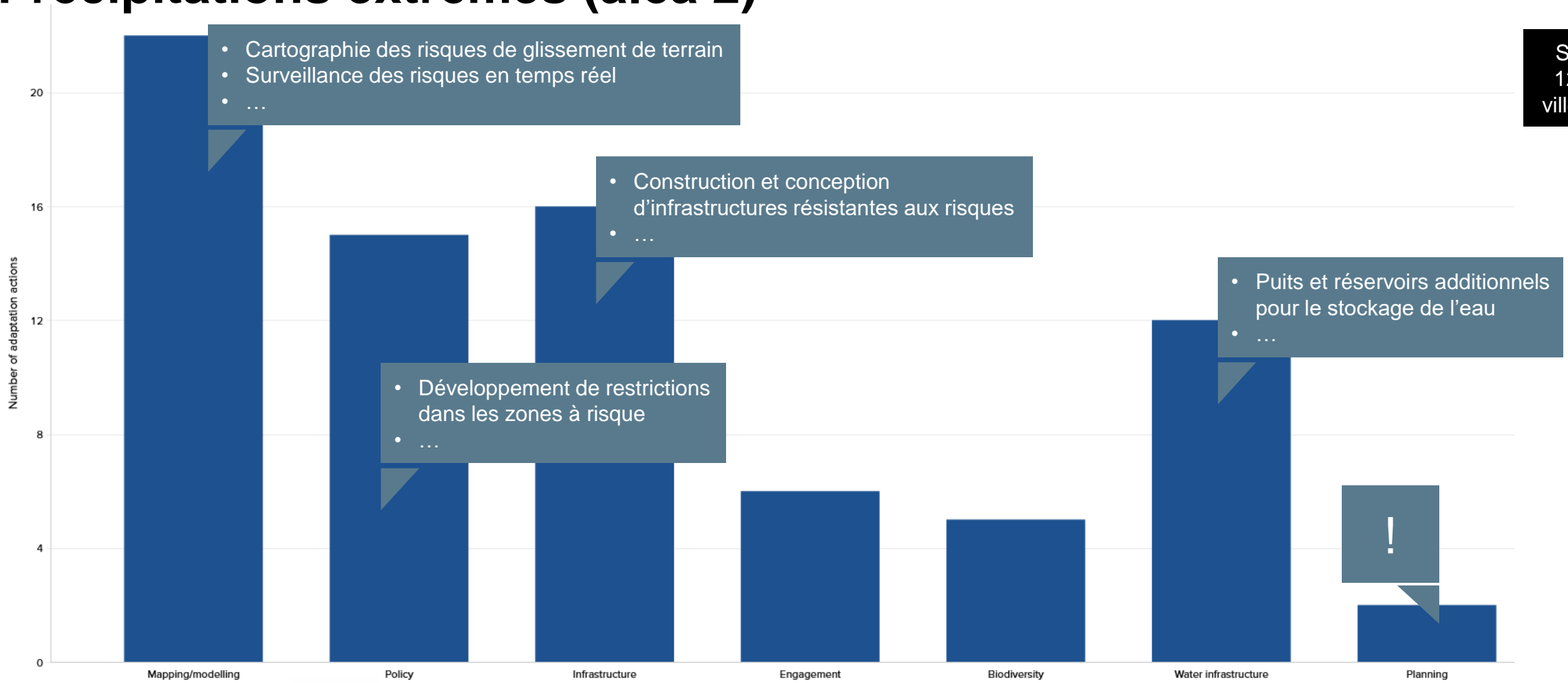
Mesures contre: Inondations et élévation du niveau des mers (aléa 1)

Sur
170
villes !

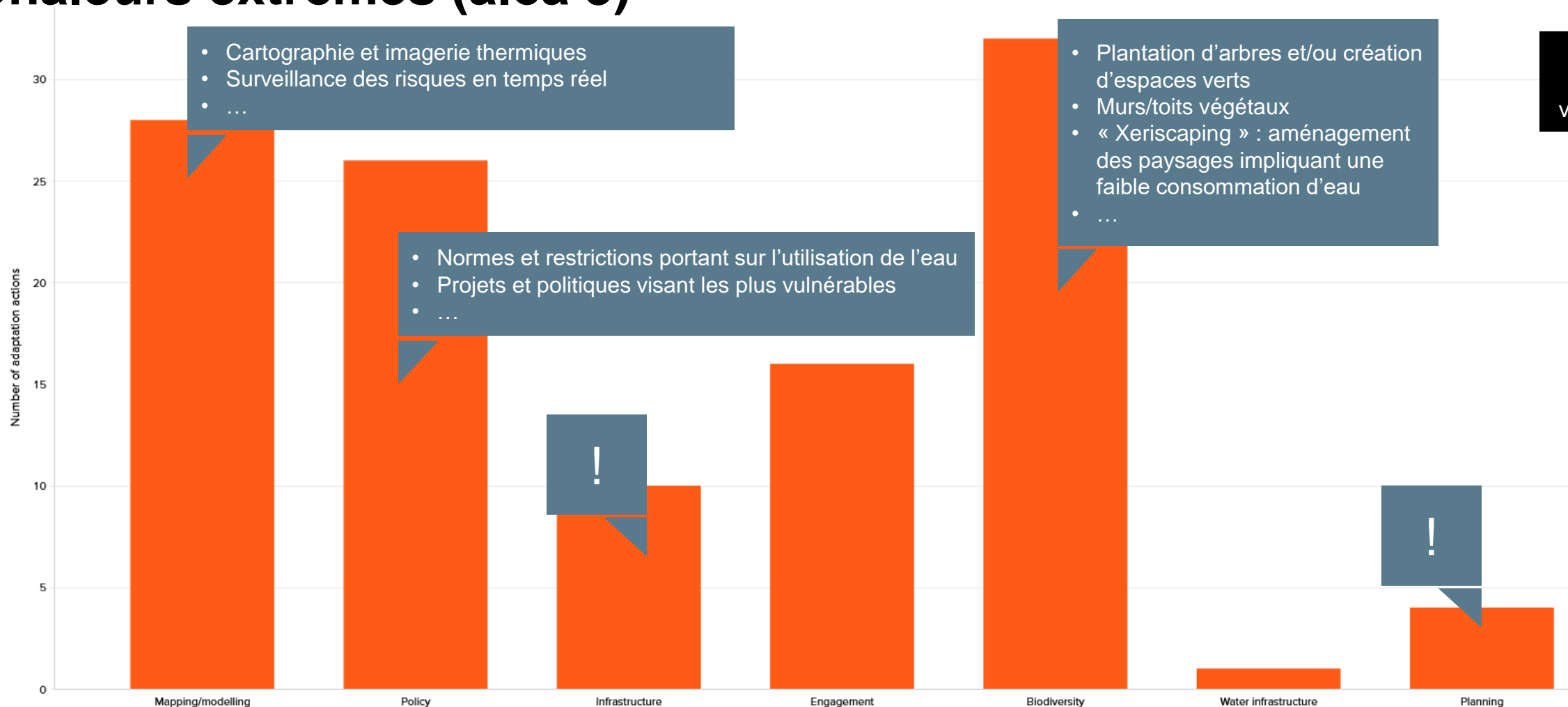


Mesures contre: Précipitations extrêmes (aléa 2)

Sur
120
villes !



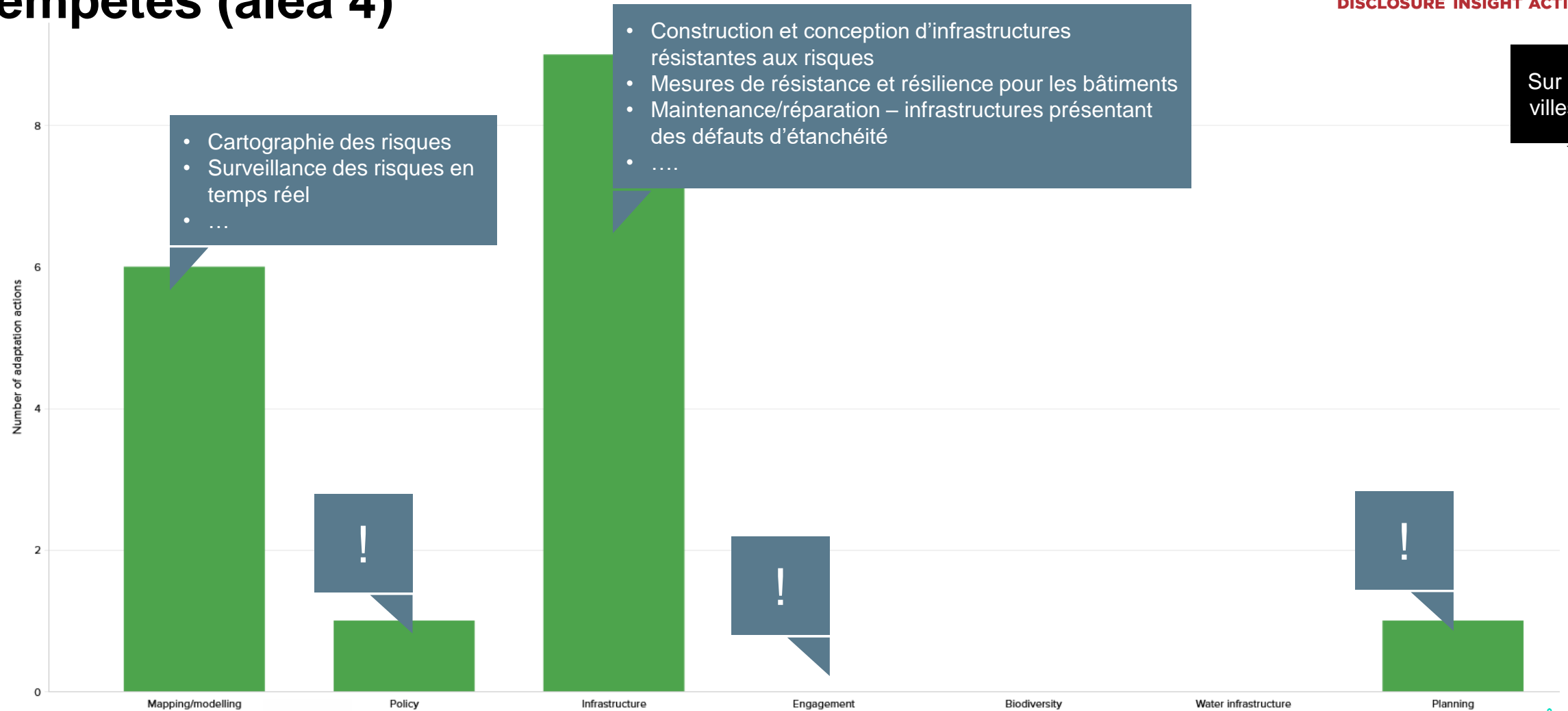
Mesures contre: Chaleurs extrêmes (aléa 3)



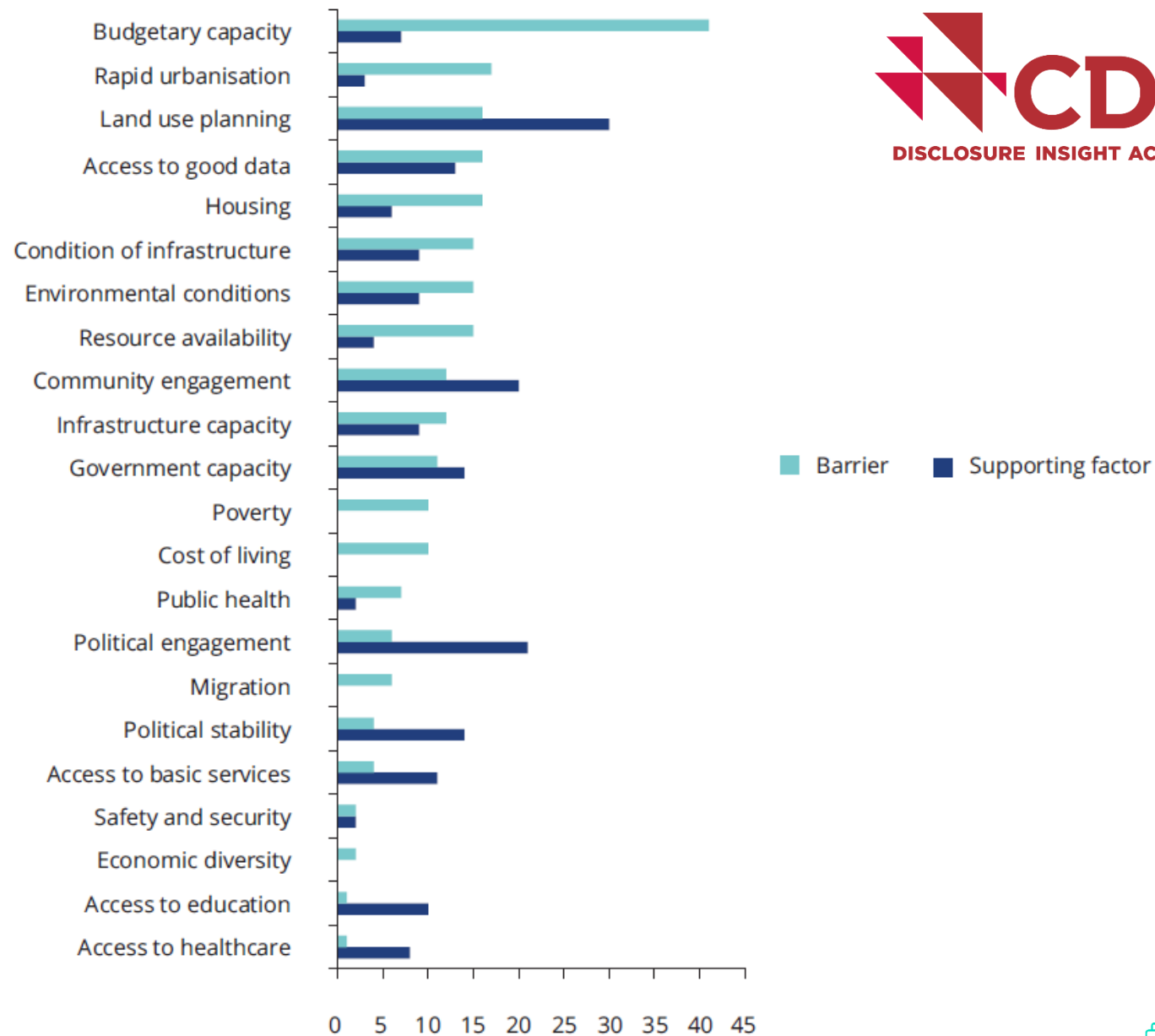
Sur
110
villes !

Mesures contre: Tempêtes (aléa 4)

Sur 60 villes !



Facteurs influençant la capacité des villes à s'adapter au changement climatique



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| Mapping/Modelling | Policy | Infrastructure | Engagement | Biodiversity | Water infrastructure | Planning |
|---|--|--|--|---|---|--|
| Cartographie des risques | Intégration du changement climatique aux documents de planification à long terme | Diversification de l'approvisionnement en énergie/alimentation | Préparation publique (y compris des exercices pratiques/exercice d'évacuation) | Surveillance de la biodiversité | Solutions pour l'eau basées sur la nature | Gestion de crise, comprenant des systèmes d'évacuation et d'alerte |
| Cartographie et imagerie thermiques | | Rénovation des bâtiments existants | | Plantation d'arbres et/ou création d'espaces verts | Optimisation de l'approvisionnement en carburant et en eau | |
| Cartographie des risques de glissement de terrain | Développement de restrictions dans les zones à risque | Construction et conception d'infrastructures résistantes aux risques | Formation/engagement de la population | Murs/toits végétaux | Amélioration de la méthode de distribution de l'eau | |
| Modélisation de la montée du niveau de la mer | Normes et restrictions portant sur l'utilisation de l'eau | | Campagne de sensibilisation/formation visant à réduire la consommation en eau | Stratégies de préservation des sols | Dispositifs et équipements économes en eau | |
| Surveillance des risques en temps réel | Promotion de technologies à bas débit | Mesures de résistance et résilience pour les bâtiments | Promotion et mise en avant d'une utilisation rationnelle de l'eau | « Xeriscaping » : aménagement des paysages impliquant une faible consommation d'eau | Comptage intelligent de l'eau | |
| | Projets et politiques visant les plus vulnérables | Toits blancs | | Diversification de l'approvisionnement en eau | | |
| | Audits portant sur l'utilisation de l'eau | Ombrage des espaces publics, marchés | | Augmentation de l'utilisation de la désalinisation | | |
| | Programmes de vaccination/dépistage des maladies à transmission vectorielle | Systèmes de refroidissement des infrastructures critiques | | Systèmes de captage des eaux de pluie | | |
| | Mesures de prévention des maladies | Centres de rafraîchissement, piscines, centres/parcs aquatiques | | Puits et réservoirs additionnels pour le stockage de l'eau | | |
| | Initiatives de qualité de l'air | Chaussées fraîches | | Protection concernant l'extraction d'eau | | |
| | Mesures de diversification économique | Maintenance/réparation – infrastructures présentant des défauts d'étanchéité | | Récupérateurs d'eau/captage des eaux de pluie | | |
| | | | | | Protection contre les crues – développement et opération & stockage | |



CDP Europe, Programme for Cities, States and Regions



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