

Vulnérabilité et résilience climatique des villes européennes

Track 4

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22.10.2020

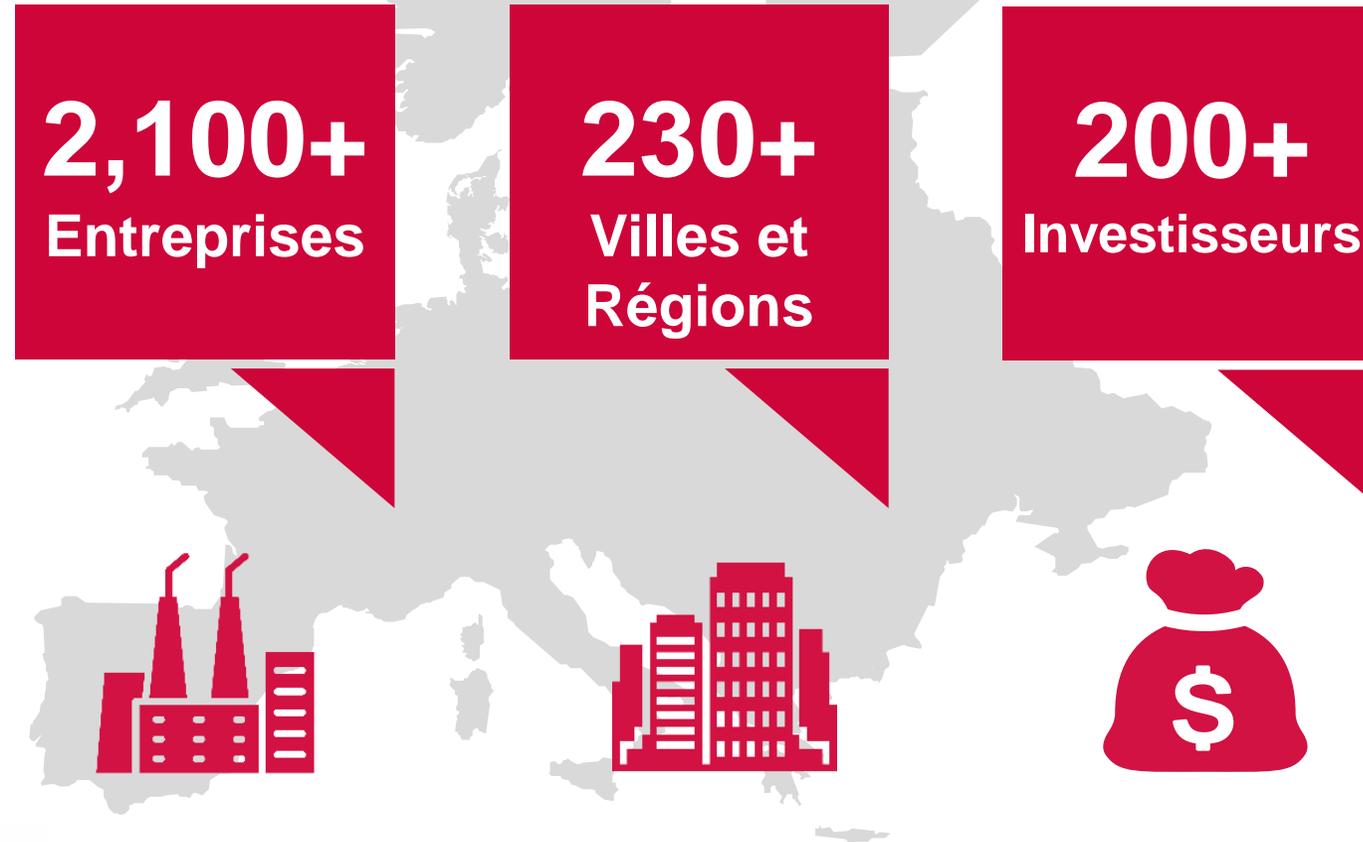
Séminaire Smart Governance 2020



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



CDP DISCLOSURE INSIGHT ACTION

Explore Browse Data Showcase Terms of Use Disclose CDP Cities

Explore CDP cities and regions data

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

<h3>Emissions</h3> <p>Find all datasets on greenhouse gas emissions</p>	<h3>Renewable Energy</h3> <p>Find all datasets on low or zero-carbon energy</p>	<h3>Mitigation Actions</h3> <p>Find all datasets on subnational climate change mitigation</p>	<h3>Climate Hazards</h3> <p>Find all datasets on subnational climate risks</p>
<h3>Opportunities</h3> <p>Find all datasets on economic opportunities of climate change</p>	<h3>Governance</h3> <p>Find all datasets on subnational governance</p>	<h3>Water</h3> <p>Find all datasets on water management and water security</p>	<h3>Adaptation Actions</h3> <p>Find all datasets on subnational climate change adaptation</p>



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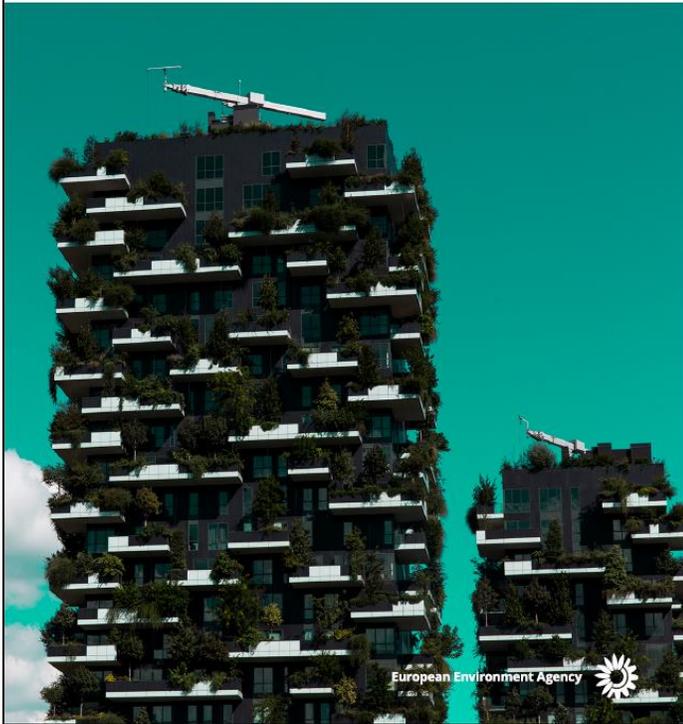


Les utilisateurs de nos données



EEA Report | No 12/2020

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




Cities at risk: dealing with the pressures of climate change

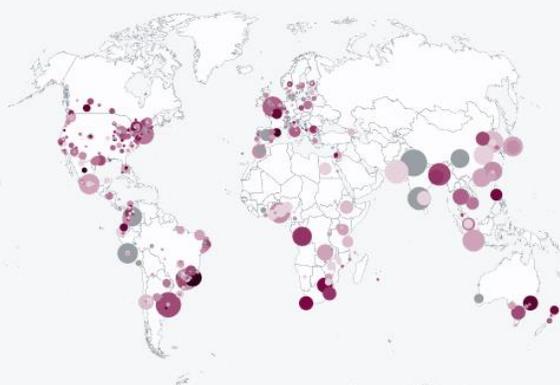
We live in a rapidly urbanizing world. In the next 30 years, some **70 million people will move to urban areas** every single year. By 2050, two-thirds of the global population will live in cities.

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.

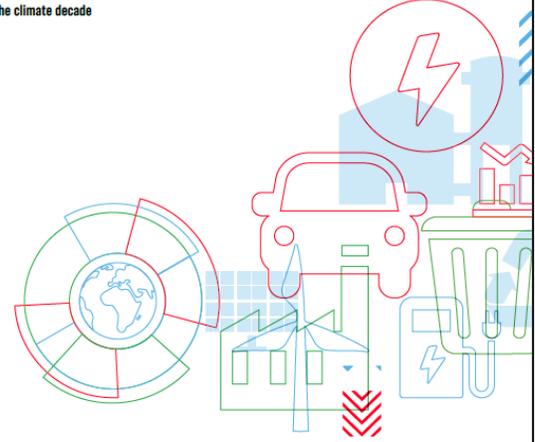


2019 UPDATE

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		Regional Distribution	Global Distribution
Final overall Score	Final overall Scoring band	# of cities	# of cities
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	<input checked="" type="checkbox"/>	75%	76%
Risk-wide GHG Emissions Inventory	<input checked="" type="checkbox"/>	73%	64%
Risk/Vulnerability Assessment	<input checked="" type="checkbox"/>	64%	60%
City-wide Emissions Reduction Target	<input checked="" type="checkbox"/>	76%	63%
Renewable Energy Target	<input checked="" type="checkbox"/>	54%	39%
Energy Efficiency Target	<input checked="" type="checkbox"/>	33%	25%
Climate Adaptation Plan	<input checked="" type="checkbox"/>	50%	44%
Mitigation Plan	<input checked="" type="checkbox"/>	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 !



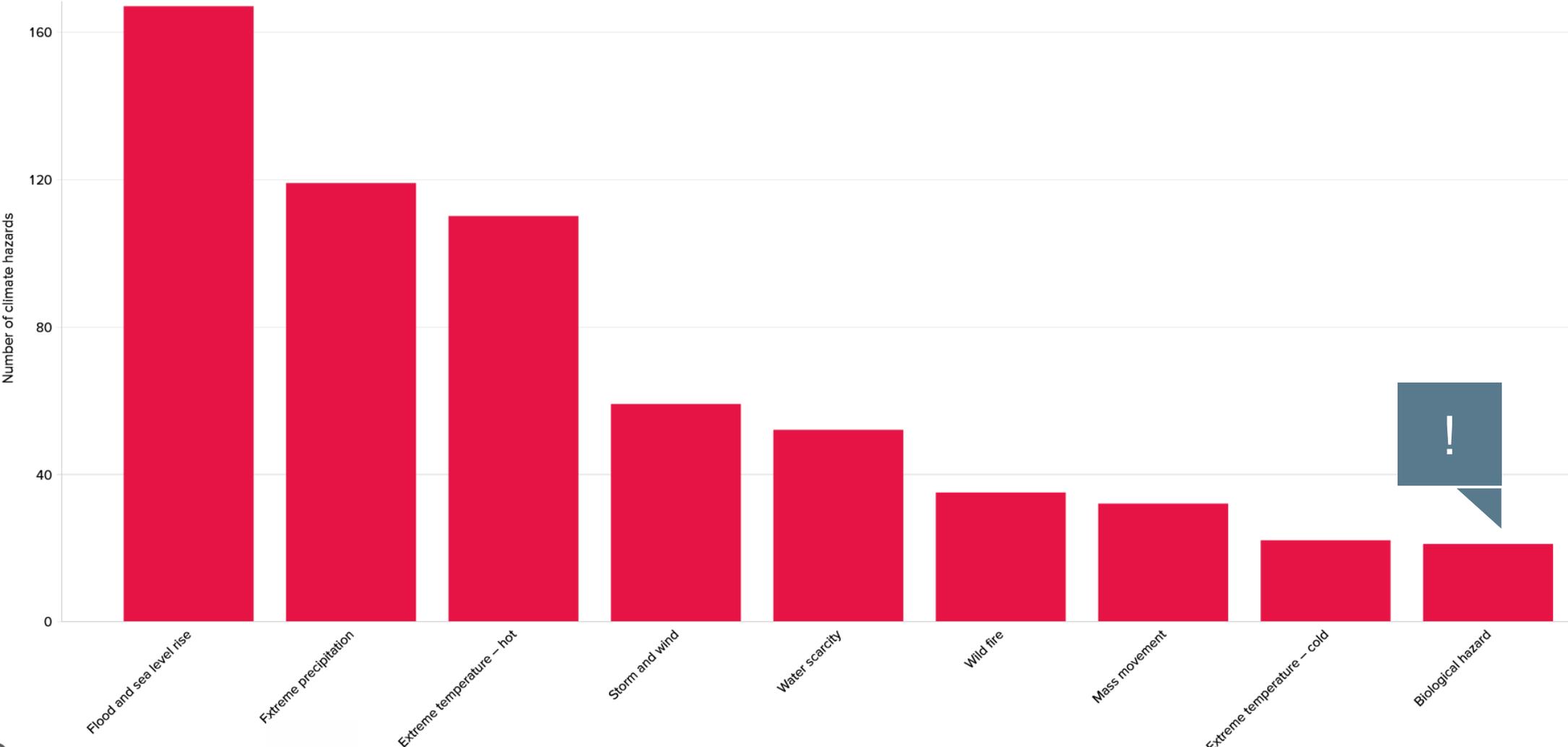
- ▼ Athens
- ▼ Bærum
- ▼ Barcelona
- ▼ Basel
- ▼ Berlin
- ▼ Bournemouth
- ▼ Coventry
- ▼ Gladsaxe
- ▼ Guimarães
- ▼ Heidelberg
- ▼ Helsingør
- ▼ Hoeje-Taastrup
- ▼ Hørsholm
- ▼ Lahti
- ▼ Leicester
- ▼ Lisbon
- ▼ London
- ▼ Malmö
- ▼ Manchester
- ▼ Örebro
- ▼ Oslo
- ▼ Paris
- ▼ Reykjavík
- ▼ Riga
- ▼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

34

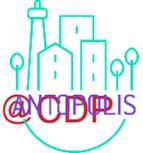
villes européennes
notées "A" en 2019



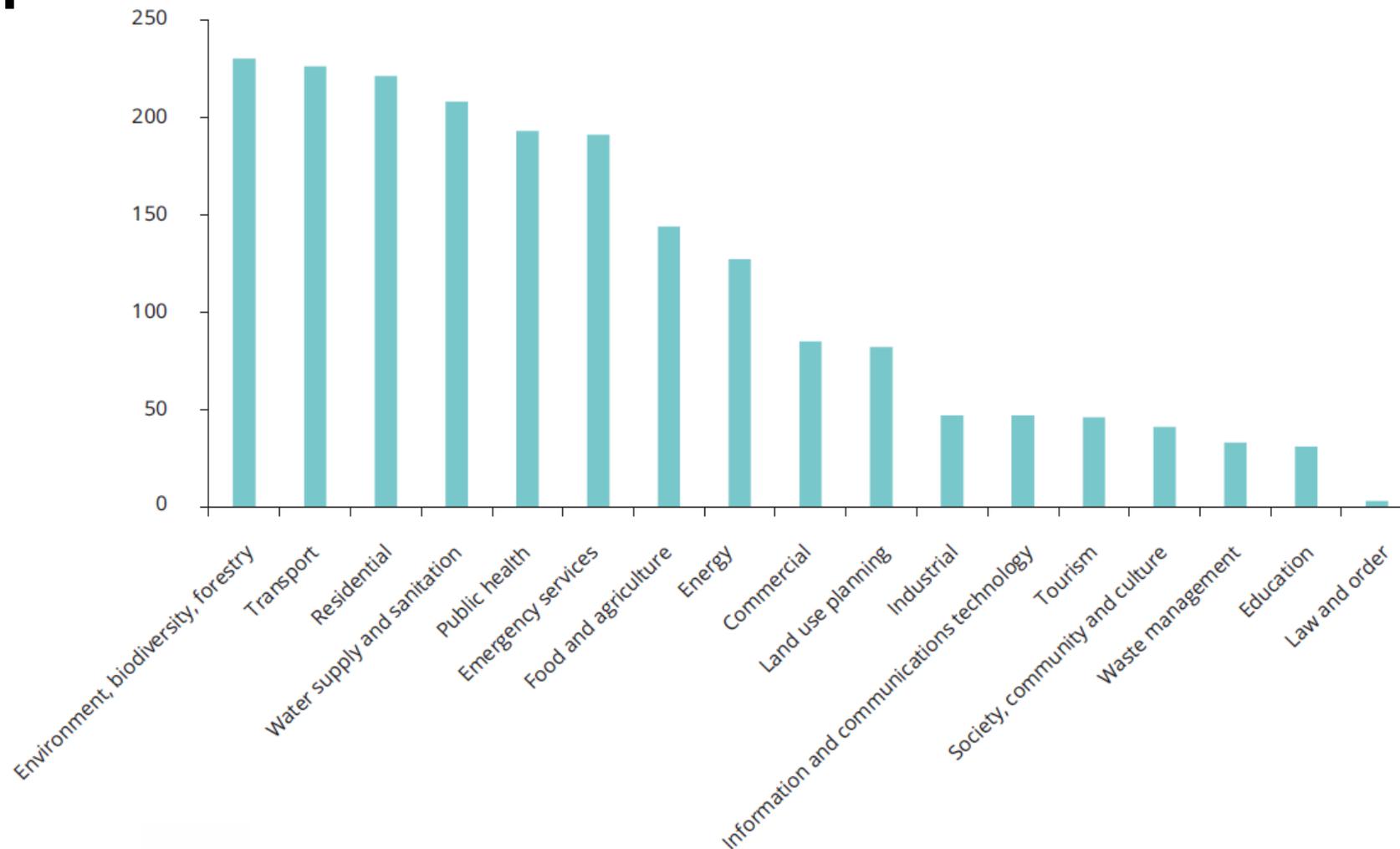
Risques rapportés par 177 villes européennes en 2019



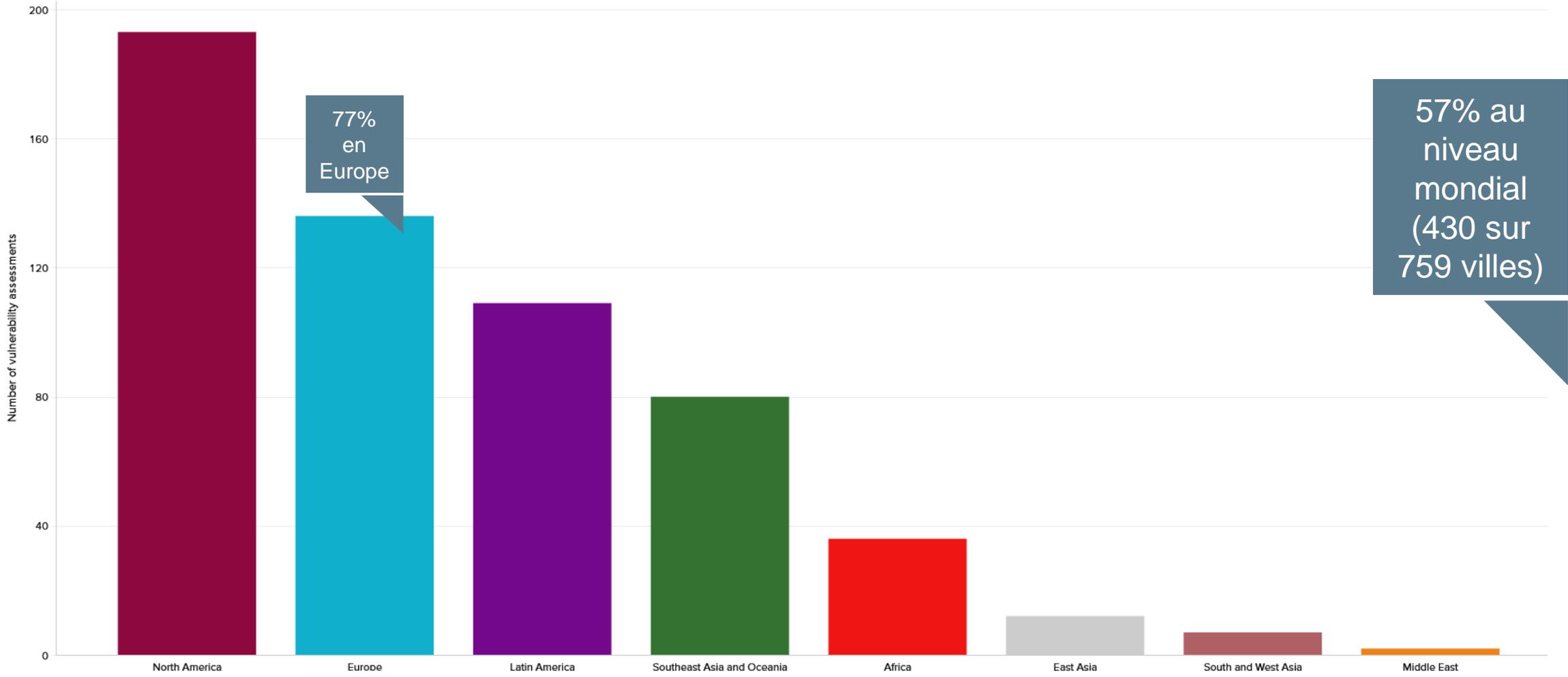
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“Atouts” municipaux les plus exposés aux risques climatiques



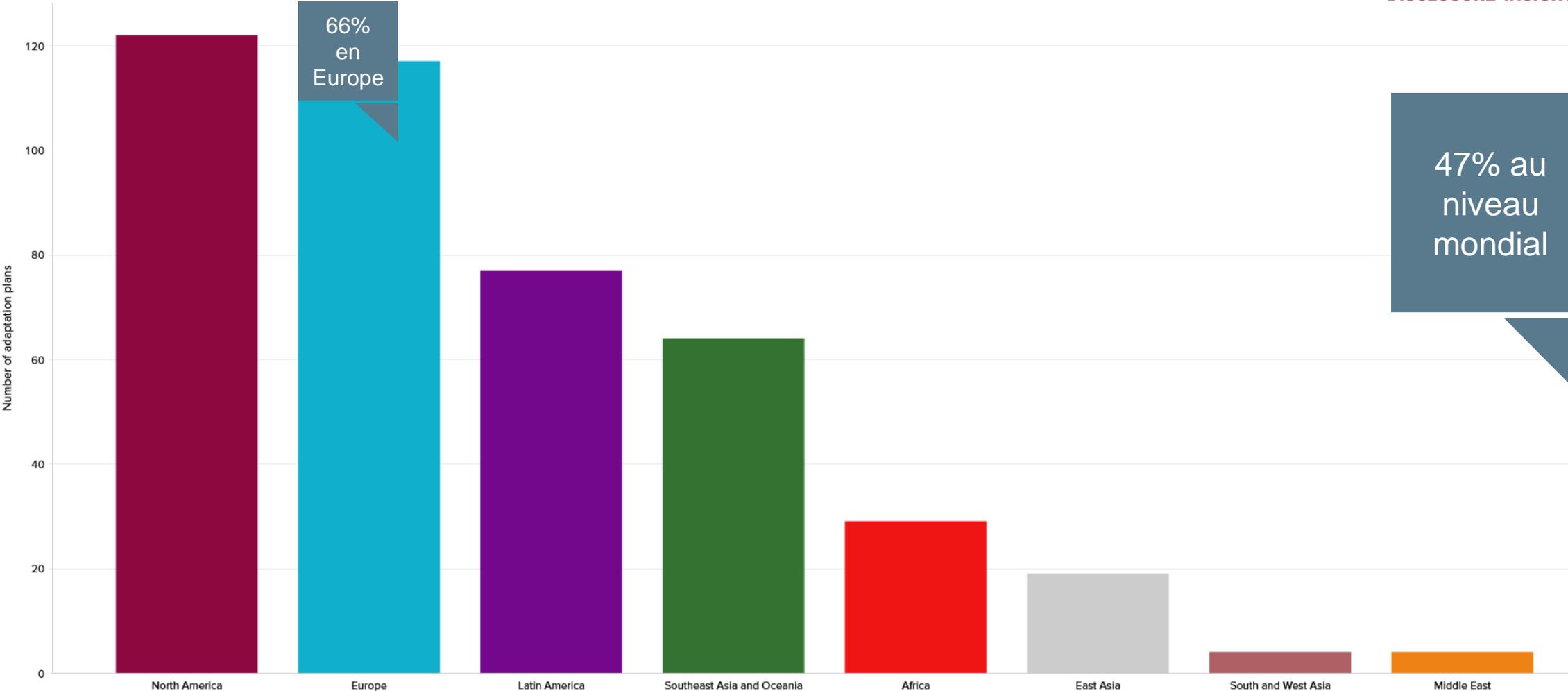
Diagnostics de vulnérabilité effectués par les villes



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Plans d'adaptation climatique municipaux

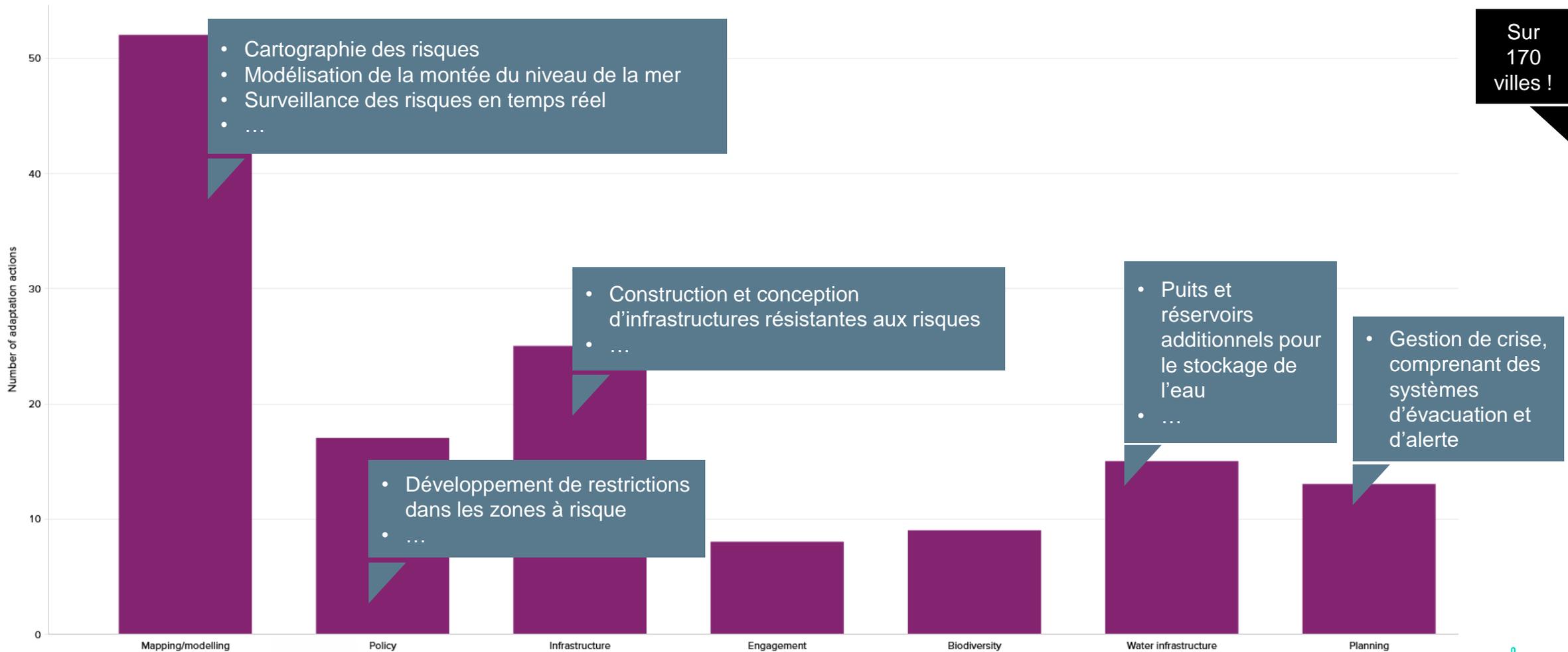


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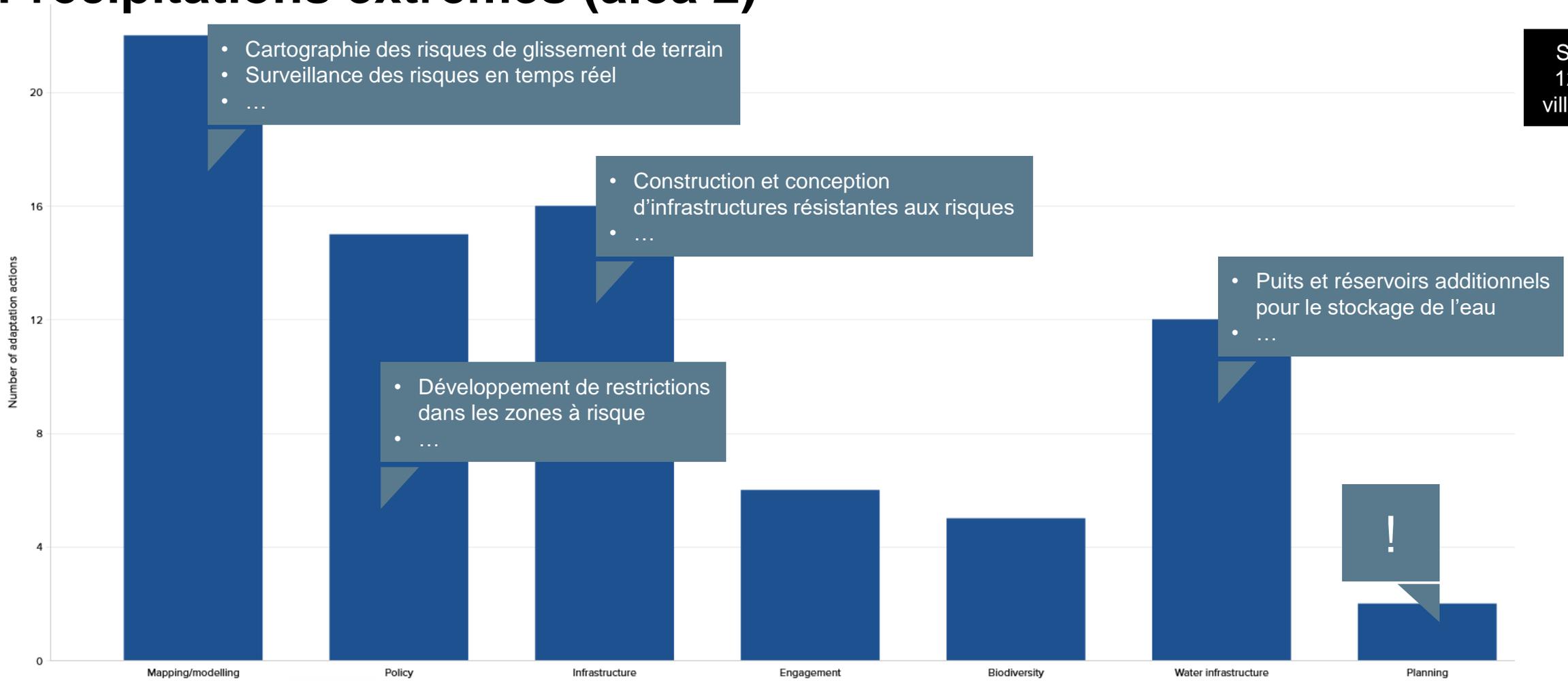
Mesures contre: Inondations et élévation du niveau des mers (aléa 1)

Sur
170
villes !

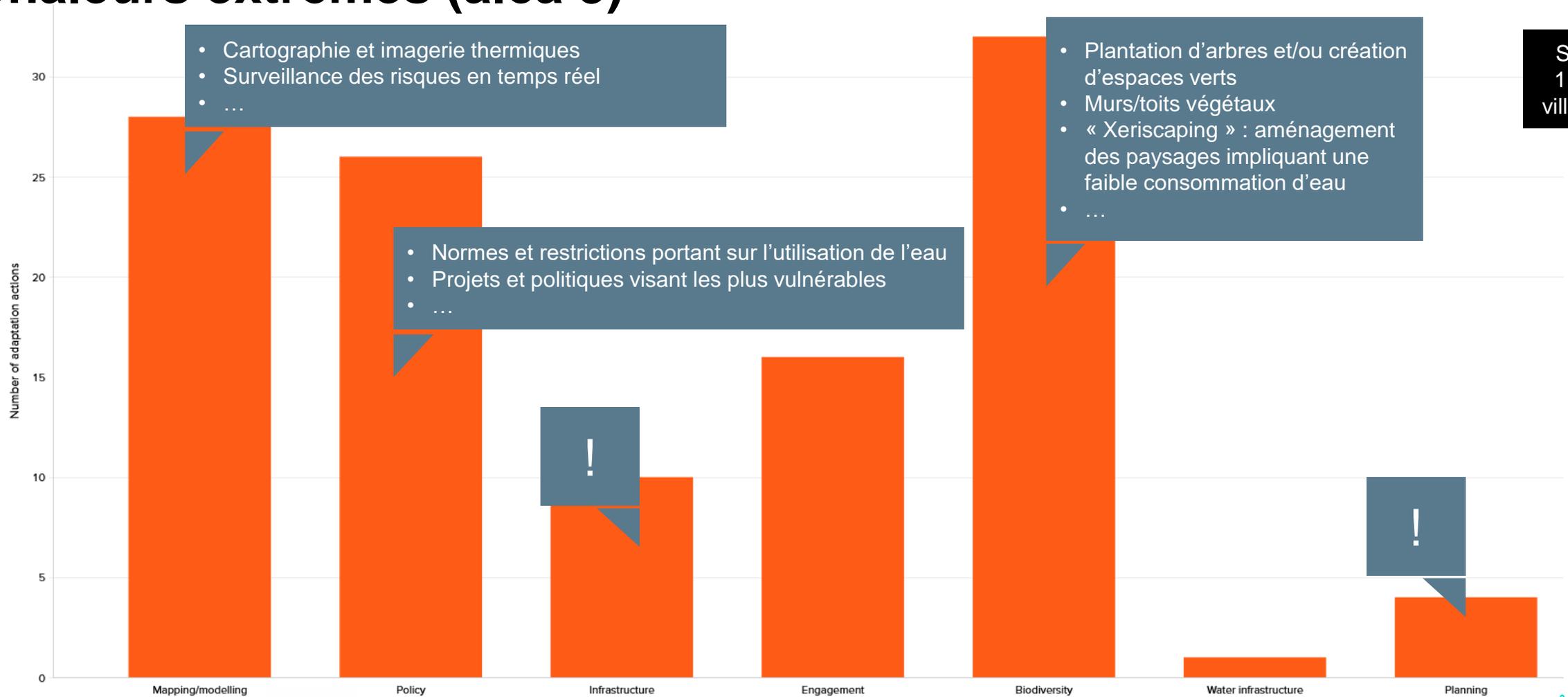


Mesures contre: Précipitations extrêmes (aléa 2)

Sur
120
villes !



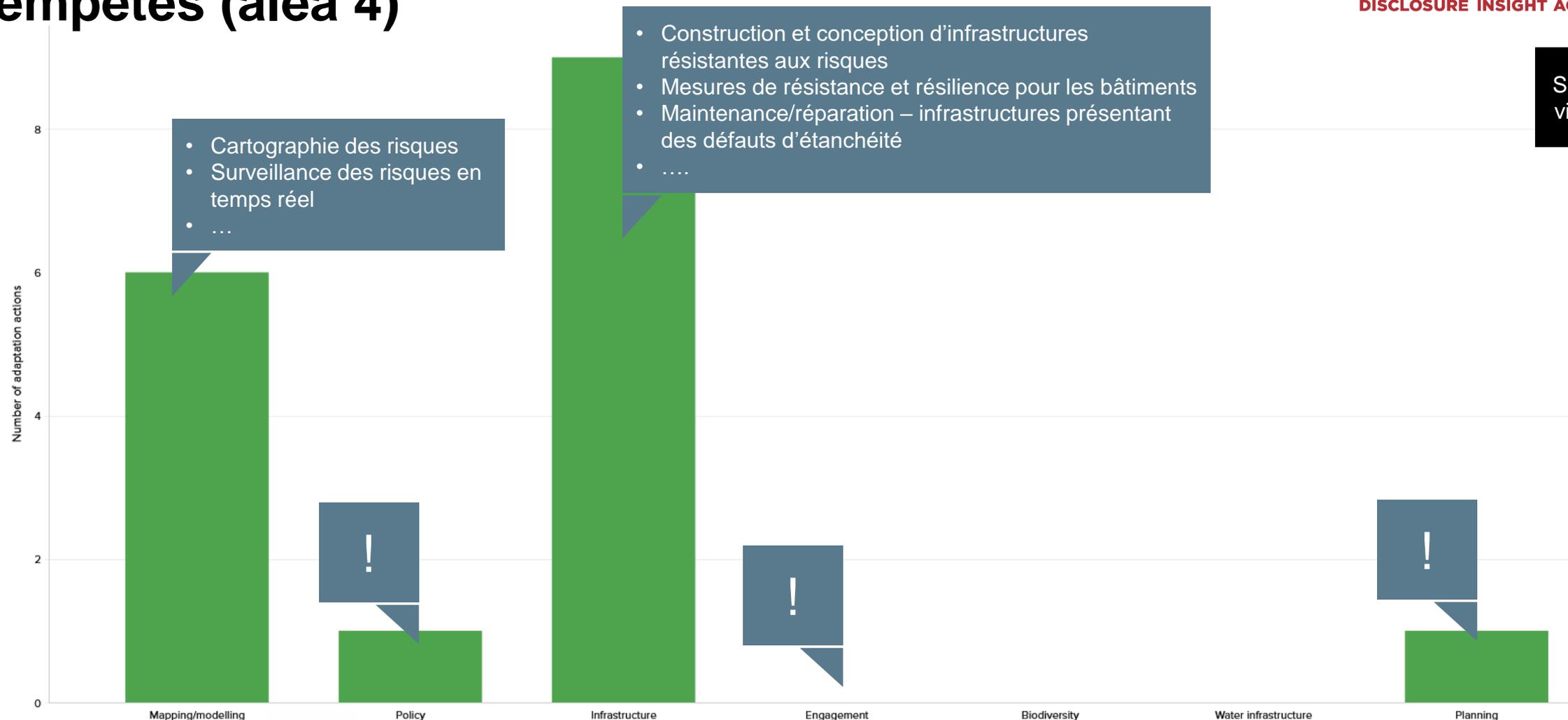
Mesures contre: Chaleurs extrêmes (aléa 3)



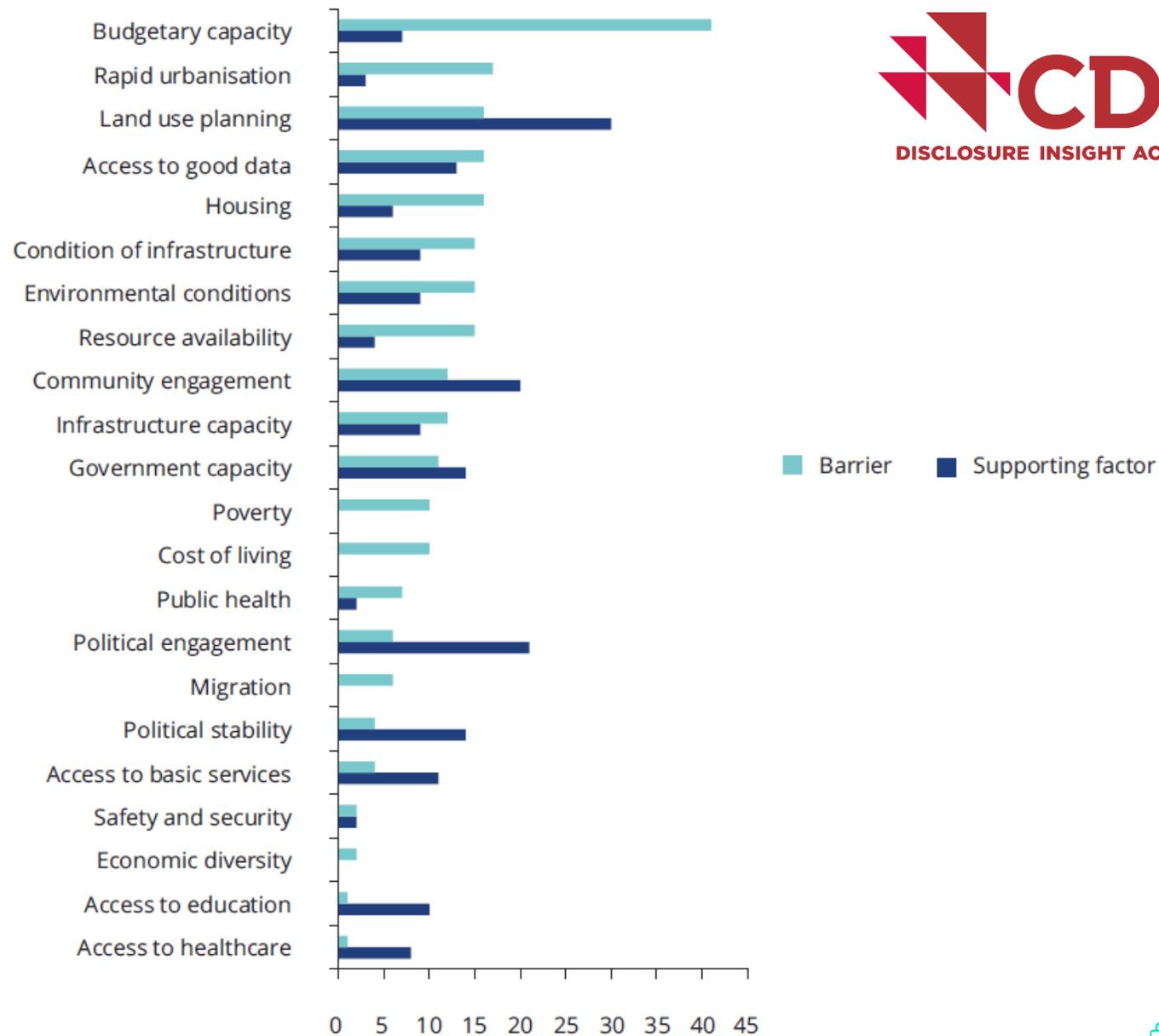
Sur 110 villes !

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



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