



INTRODUCTION

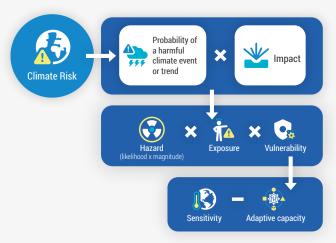
Food and water supply challenges, rising cases of respiratory diseases and loss of livelihoods due to drought, extreme temperatures and flooding are some of the impacts of climate change that Marrakech City residents are experiencing. While these impacts are getting worse, according to the results of a Rapid Climate Risk Assessment undertaken by the Global Center on Adaptation, risk management and adaptation actions required to make Marrakech resilient were also identified.

CLIMATE CHANGE RISKS

Marrakech's leading climate change hazards are drought, extreme temperatures, flooding, and sand and dust storms. These hazards have resulted in the following risks, which are projected to worsen:

- · Health complications
- Constrained labor productivity
- Water scarcity
- · Drop in food production
- · Ecosystem destruction

What is climate risk?



Risk results from the interaction of climate hazards, exposure over time, and vulnerability (of the affected system)



Adapted from Groupe Huit (2022)

Main Risks



VULNERABILITY

Economically, Marrakech is heavily dependent on tourism. Rising temperatures, drought and the other hazards are likely to discourage visitors, leading to loss of livelihoods.

Population growth and major social inequalities have contributed to high social vulnerability in the city, with young people, women and migrants being more vulnerable to the risks.

ADAPTATION ACTIONS

National and local public policies focus mainly on mitigation rather than adaptation to climate change. In addition, a sectoral approach to climate change is favored, focusing on issues of access to water. The following actions would boost Marrakech's adaptation to climate change:



Develop a guide for integrated and participatory



architecture and urban planning

Establish a climate academy for those involved in public action

Create a climate change and health observatory to create better understanding of the impact of climate change on health



Develop a tourism sector adaptation plan

