

Designing in an Uncertain Climate

Written by: Nathalie Beauvais, Climate Resiliency Lead for Architecture and Planning, HDR

July 2023 was the hottest month on record. Floods, wildfires, and fierce. Climate change and its consequences are having natural systems. As these challenges have grown, so has developing strategies to mitigate and overcome them.

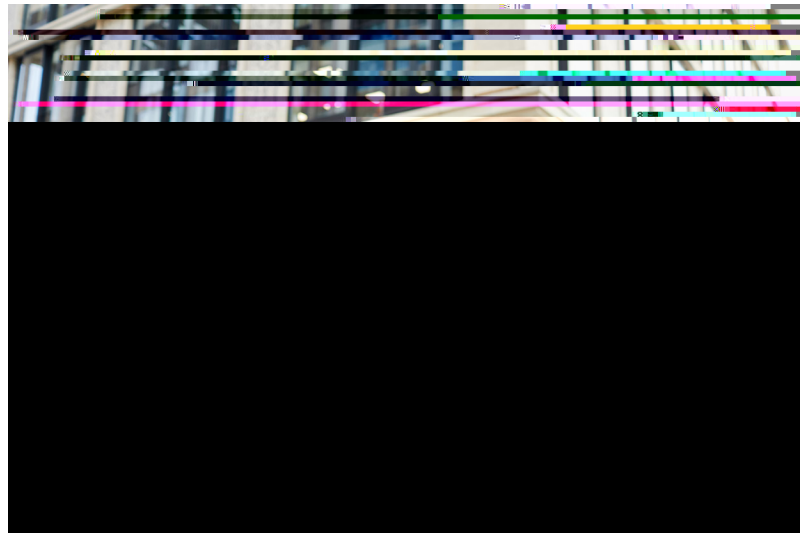
rapid pace of change offers new obstacles. Previously reliable weather data for variables like temperature, rainfall, wind

States have cost more than \$2.47 trillion. Weather and climate disasters exceeded \$165 billion in damage costs in 2022 alone,

Planners and designers have a unique opportunity to protect

climate change and can contribute to a regenerative future. Achieving this can be daunting and overwhelming. At HDR, we take a five-step approach to help clients achieve smart,

- » Identify climate risk
- » Perform risk and vulnerability assessment
- »
- » Develop resiliency strategies
- » Implement strategies for a transformative future



By grounding these activities in data, we consider each client's unique needs and provide solutions for a myriad of projects

Putting Projected Climate Data to Work

IDENTIFY CLIMATE RISK

project's exposure to identified climate hazards. The analysis utilizes historical climate trends to set the baseline for understanding projected future climate trends and correlating the project's vulnerabilities to probable climate scenarios. This

of hyper-local weather trends, which are becoming more



About the Author

Nathalie Beauvais, AIA, is the climate resiliency lead for architecture and planning at HDR. Nathalie brings design and stakeholder engagement to the forefront of her projects, working for the development of resilient buildings, grey and green infrastructures, nature-based solutions, and innovation for integrated design approaches. Her work also centers on the built and social environments and economic impact assessments.

About the Article

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