

CRAFT

CLIMATE RISK AND ADAPTATION FRAMEWORK AND TAXONOMY

CRAFT is a standardized reporting framework that enables cities to perform robust and consistent reporting of local climate hazards and impacts, risk and vulnerability assessment, and adaptation planning and implementation as part of their compliance with the Compact of Mayors. CRAFT was developed for cities by cities, their networks, and the organizations that serve them.

City Climate Adaptation Planning

Climate change impacts are being felt in cities around the world. The success of climate adaptation in cities depends on both an appropriate planning process and effective implementation.

However, it remains challenging to assess the status and degree to which cities have progressed in adaptation planning and the specific barriers they face in completing planning and implementation activities.

CRAFT is a reporting standard integrated into the CDP Cities and carbonn Climate Registry reporting platforms which allows cities to share the status of their climate adaptation planning efforts. It establishes a platform for city officials to report the unique conditions their cities face and their planning responses.

The data collected through CRAFT can provide city officials and their partners with insights into city adaptation planning processes and the translation of those efforts into adaptation actions. CRAFT is accompanied by supporting guidance and training materials to assist cities in their reporting. As data is collected we aim to develop further tools and resources to enhance the user experience, such as real-time data analytics and comparative outputs. Ultimately, CRAFT can increase knowledge sharing and collaboration at the local level by improving, accelerating, and transforming the development and implementation of urban adaptation strategies.

CRAFT Provides

- a framework for cities to perform robust and consistent reporting of climate hazards and associated adaptation planning and implementation that is required by the Compact of Mayors;
- a means to monitor and evaluate adaptation planning progress to help cities improve adaptation efforts by enhancing knowledge of best practices;
- a means for cities to identify priorities and target advocacy for climate adaptation resources;
- the data to improve the ability for cities and their partners to identify peers and aspirational examples to help inform their own adaptation planning process and implementation.

CRAFT in Detail

Cities can access the CRAFT reporting framework through CDP Cities and the carbonn Climate Registry.

The CRAFT reporting framework is comprised of three reporting modules.



Profile the City:

This module collects city data on general characteristics that influence city resilience and adaptation planning. This information can support shared learning and inform adaptation planning at the local level.



Understand the Problem:

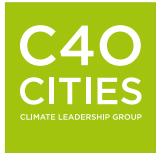
This module asks the city to report on their vulnerability assessment process, the climate risk and vulnerability faced now and in the future, and the underlying factors within a city that can enhance or challenge a city's ability to adapt.



Plan, Respond and Monitor:

This module is focused on the climate adaptation planning process undertaken by cities and how cities evaluate the outcomes of their adaptation efforts. Reporting fields relate to adaptation planning, adaptation goals and actions, and adaptation barriers and opportunities.

CRAFT creates a comprehensive, streamlined reporting process for cities to report on and evaluate their climate adaptation planning and its outcomes, helping to answer the questions: “are we doing the right things?” and “are they working?”



ARUP

Support from:



CRAFT

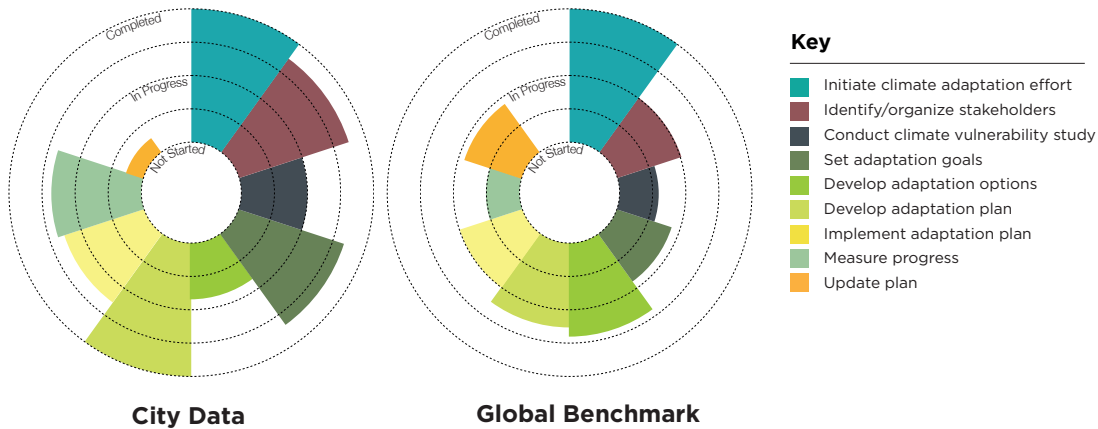
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Cities can use the data collected through CRAFT to conduct more advanced analysis. Their efforts will unlock greater insights across adaptation planning and implementation. Examples of potential analysis using CRAFT data are presented below.

Opportunities for benchmarking adaptation planning progress

CRAFT will help cities gain insight into the quality of adaptation planning and where there may be opportunities for improvement. Analyzing the data from CRAFT reporting, such as in the example output below, could also help build a picture of how cities are performing in climate planning in comparison to peers, and reveal where cities share common challenges. These insights can help cities collectively target and advocate for adaptation resources, in addition to advancing planning efforts at the local level.

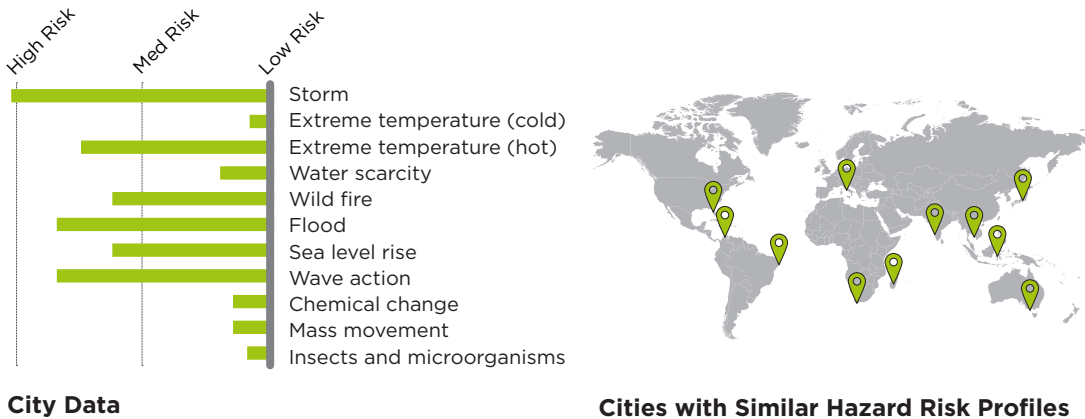


Support from:



Information to help identify cities with shared climate hazard risks

Data reported through CRAFT can provide insights into the climate hazards cities face today and in the future. Further analysis can help cities and their partners identify other cities with similar climate risk profiles with whom they can engage and learn from in order to inform their own adaptation response strategies, such as illustrated in the example graphic below.



CRAFT builds on earlier work undertaken by Arup, with support from C40, to identify a structured articulation of the key climate hazards that cities are facing, known as the City Climate Hazard Taxonomy. For more information about the Taxonomy, please refer to the full research report available from www.c40.org and www.arup.com.

Arup and C40 would like to thank Bloomberg Philanthropies for their support of this project. We would also like to thank the Compact of Mayors, the representatives of the fourteen C40 cities who formed the CRAFT City Advisory Committee, and the members of the CRAFT Technical Advisory Committee, especially CDP Cities, ICLEI and carbonn Climate Registry for their contributions to this work.

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