Developing the Climate Science Basis for Climate Action

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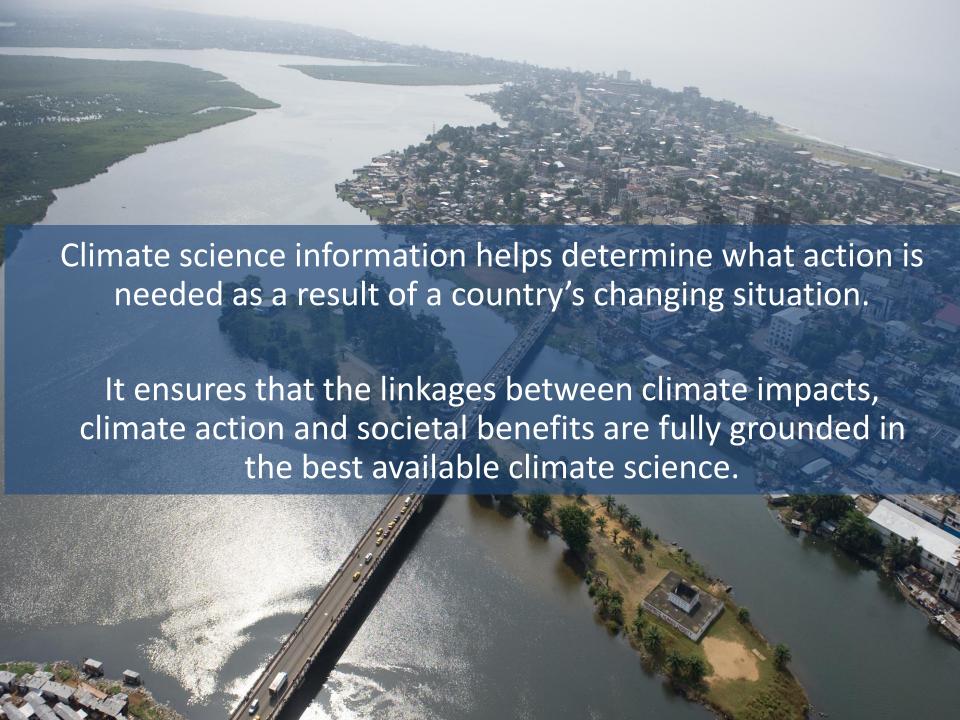


WMO OMM

World Meteorological Organization Organisation météorologique mondiale

Enhancing the Climate Science Basis of GCF Funded Activities (2018-2021)





Climate Science Project Outputs

Guidance document

Guide for Developing the Climate Science Basis for GCF Funded **Activities**

Climate Information Platform (CIP)

Tools & data sources A web-based data access platform – providing access to CMIP and CORDEX projections and indicators worldwide.

Climpact

A software package to calculate over 70 climate indices from historical daily temperature and precipitation relevant for the health, agriculture, water and other climate-sensitive sectors.

Country examples Evidence-based climate action solutions for agriculture, health, water, energy, fisheries, forestry, coastal zone management, DRR and other sectors from St. Lucia, the Democratic Republic of the Congo, Cabo Verde and Cambodia.











and capacity development

at country level

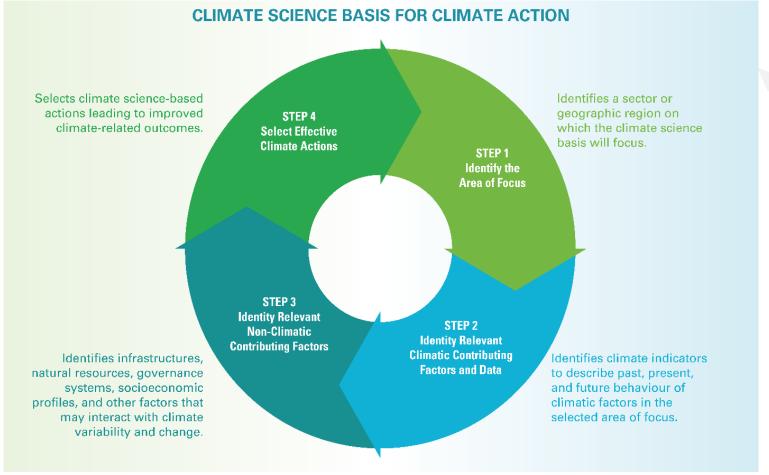






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The climate science information guidance document



WMO-GCF. 2021

The guide outlines four **steps** for developing a climate science basis for GCF-funded activities, particularly **adaptation investments.** The methodology can be extended to support interventions that climate-proof mitigation actions.

Applications:

- GCF projects
- Projects funded by other climate finance sources
- Nationally Determined Contributions
- National Adaptation Plans (NAPs)

Benefits and applications of the methodology

Strengthening Country Capacity for data preparation and climate analysis - Equips country experts for more advanced, subsequent work with less international support.

Enriching Local and Global Assessments - Aggregates scientific findings concerning national and local conditions into WMO, IPCC, and UNFCCC processes.

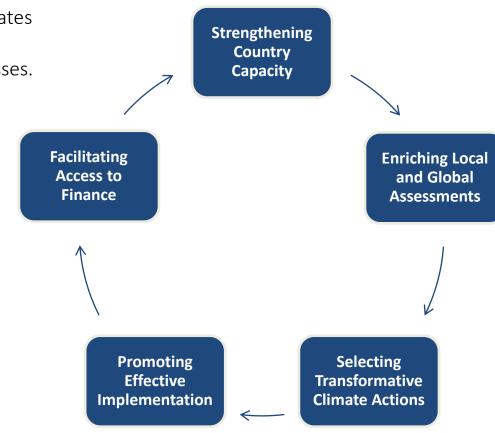
Selecting Transformative Climate Actions -

Addresses climate variability and change, and relevant socioeconomic factors.

Promoting Effective Implementation -

Including strengthening hydro-met systems and associated services.

Facilitating Access to Finance – Makes climate investments attractive to investors, since interventions are based on scientific evidence.





Tools & Data Sources

Climate Information Platform (CIP)

A web-based data access platform that provides access to the most reliable hydro-climatic data and technical resources for climate science inputs relevant for GCF submissions.



overview for any location world-

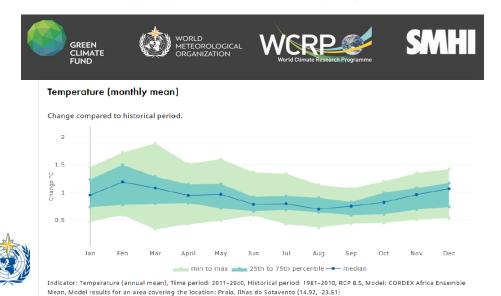
wide.



indicators and explore interactive

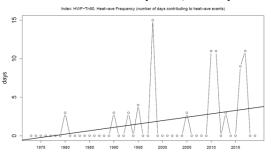
maps and graphs.





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Station: HEWANORRA [14.021°N, -60.992°W]



Linear trend slope= 0.088 Slope error= 0.037 , p-value= 0.023



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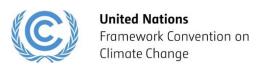
Source: WMO, 2020

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CLIMPACT https://climpact-sci.org

Quickly calculate climate indices using your own weather and climate data.

Climate Information Platform https://climateinformation.org

Get an instant climate change overview for your location, get climate indicators, and explore interactive maps and graphs.

Contact: climatescience@wmo.int







Thank you!

For any support requests or inquiries:

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