Identification of bankable projects for NAP implementation:

Technical Assistance Around Climate Information For Projects and Plans

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UN4NAPs FORUM 2023

NAPEXPO CHILE 2023

Key concepts

- “Climate rationale” -> Climate Science Basis
- Provide scientific based information to build an evidence-based case for actions (projects, plans)
- Climate-sensitive or priority sectors identified by GCF National Designated Authorities
- Potential projects proposed by ministries or sectoral experts
- Context relevant (co-financing, adaptation & mitigation, aligned, traceable progress, sustainable)
- Using this method is not a guarantee of funding

Scan

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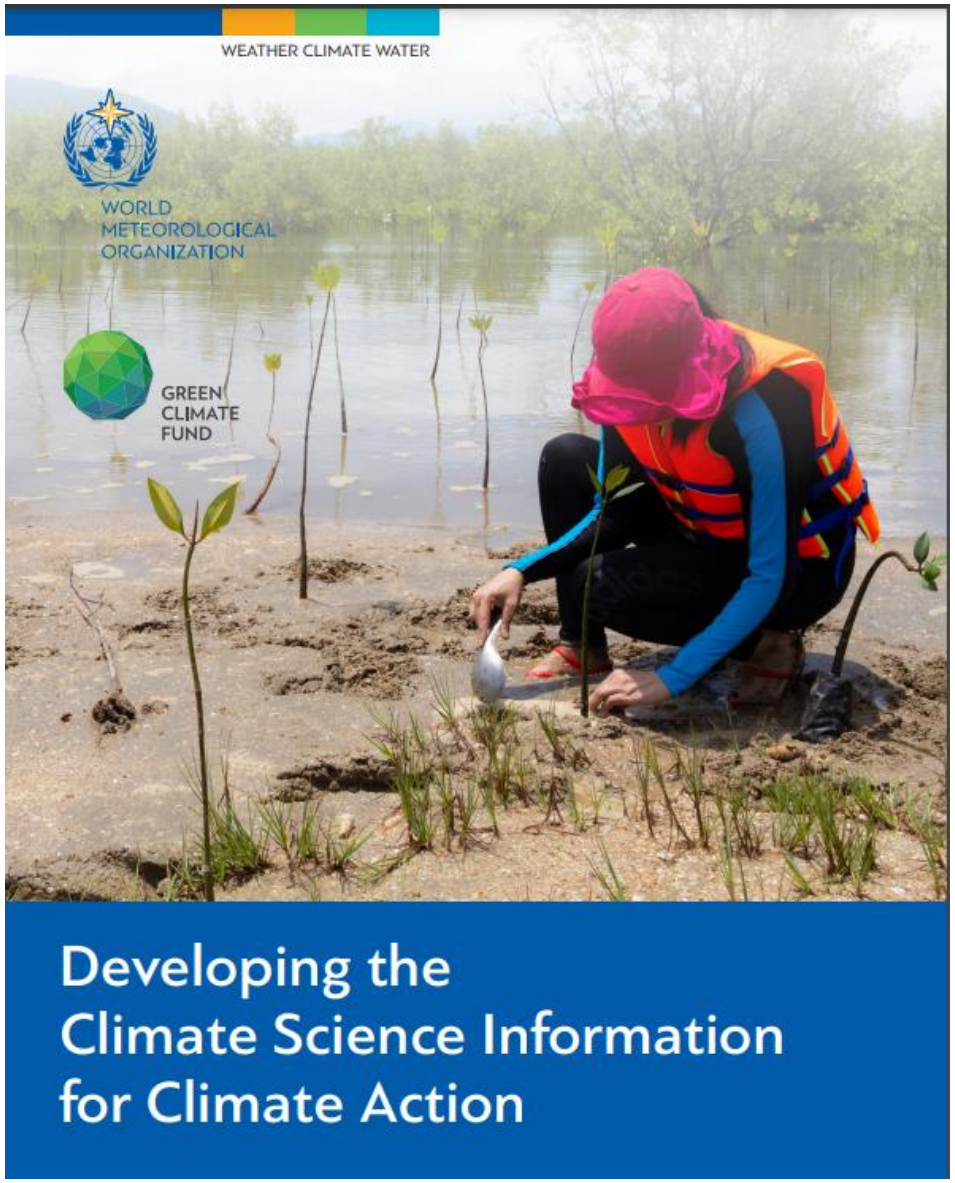
WMO Library - https://library.wmo.int/



WMO No. 1287

bit.ly/Climatescienceinformation

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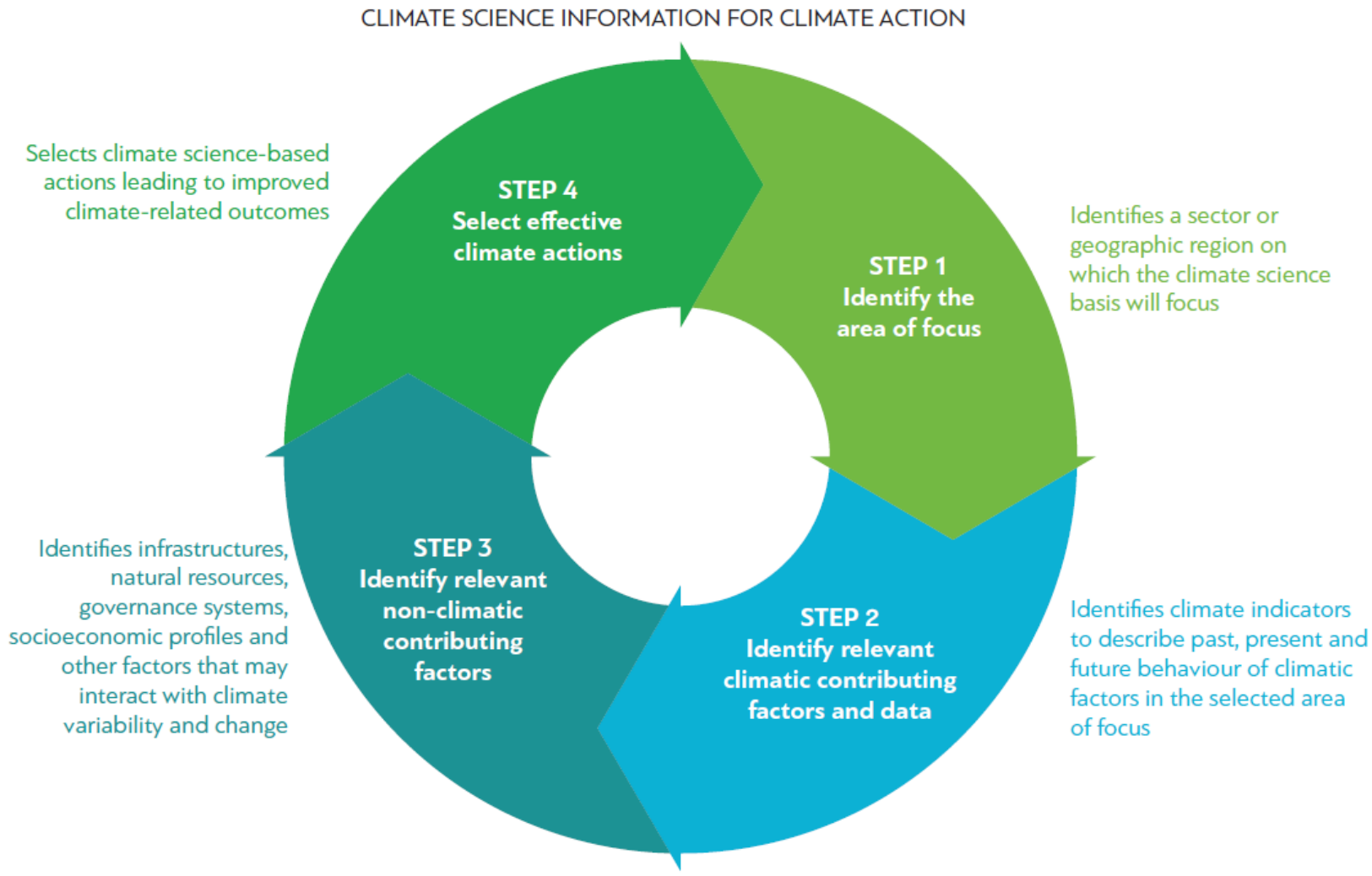
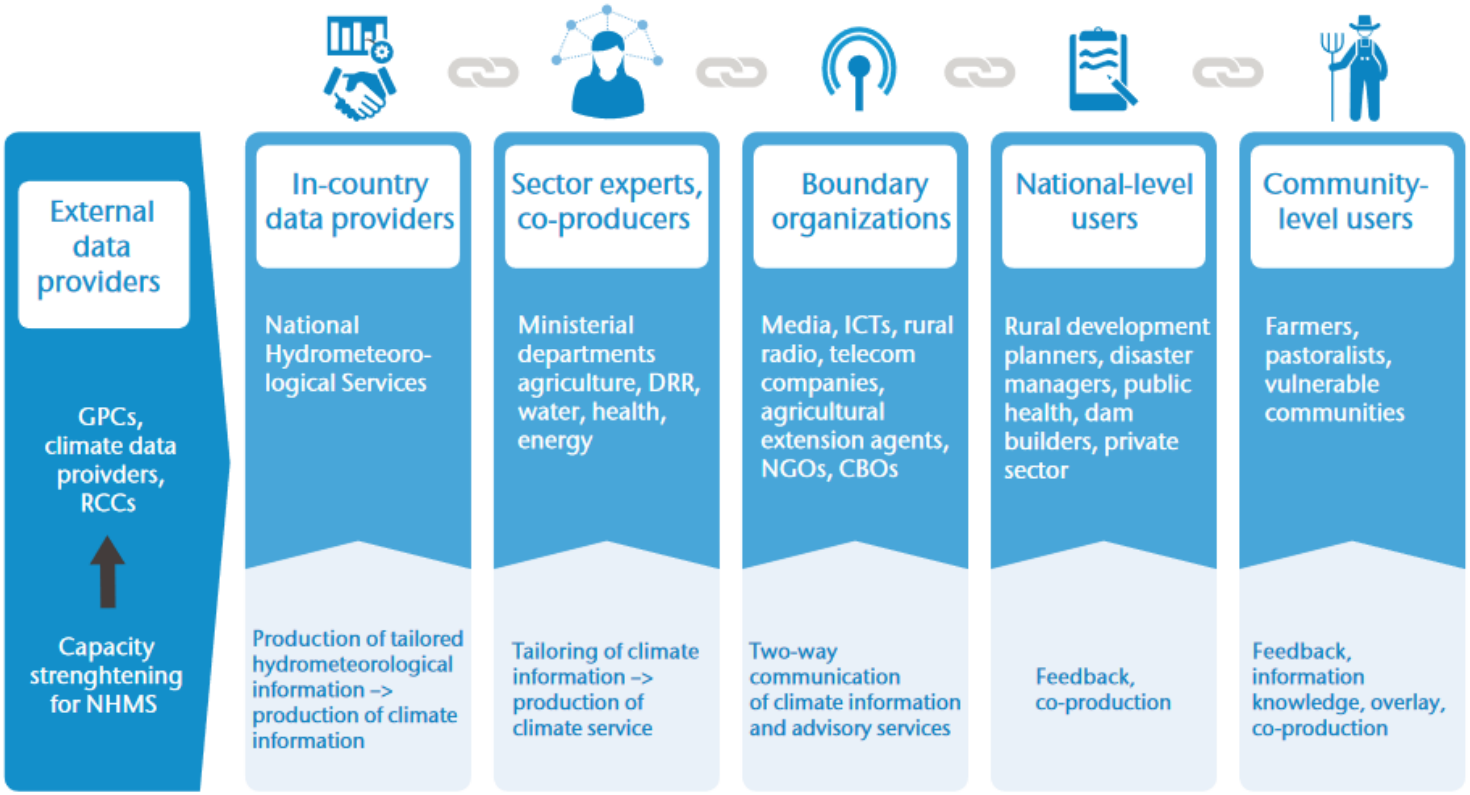


Figure 1. Four-step methodology for developing the climate science information for climate action

Four-step methodology

Integrating climate information into climate action

Wide collaboration for improved impact of climate information



Integration of all actors

WMO-GCF Workshops

Climate Science Information for Climate Action

Regional Training Workshop - Johannesburg, South Africa
12-16 September 2022

Methodology implementation through face-to-face worshops with multiple actors (writing hands-on)

WMO, GCF, GWP, NMHS, NDA, SS, DRR, UNSW, SMHI, FAO, UNICEF, IPCC, among others.

WMO-GCF workshops

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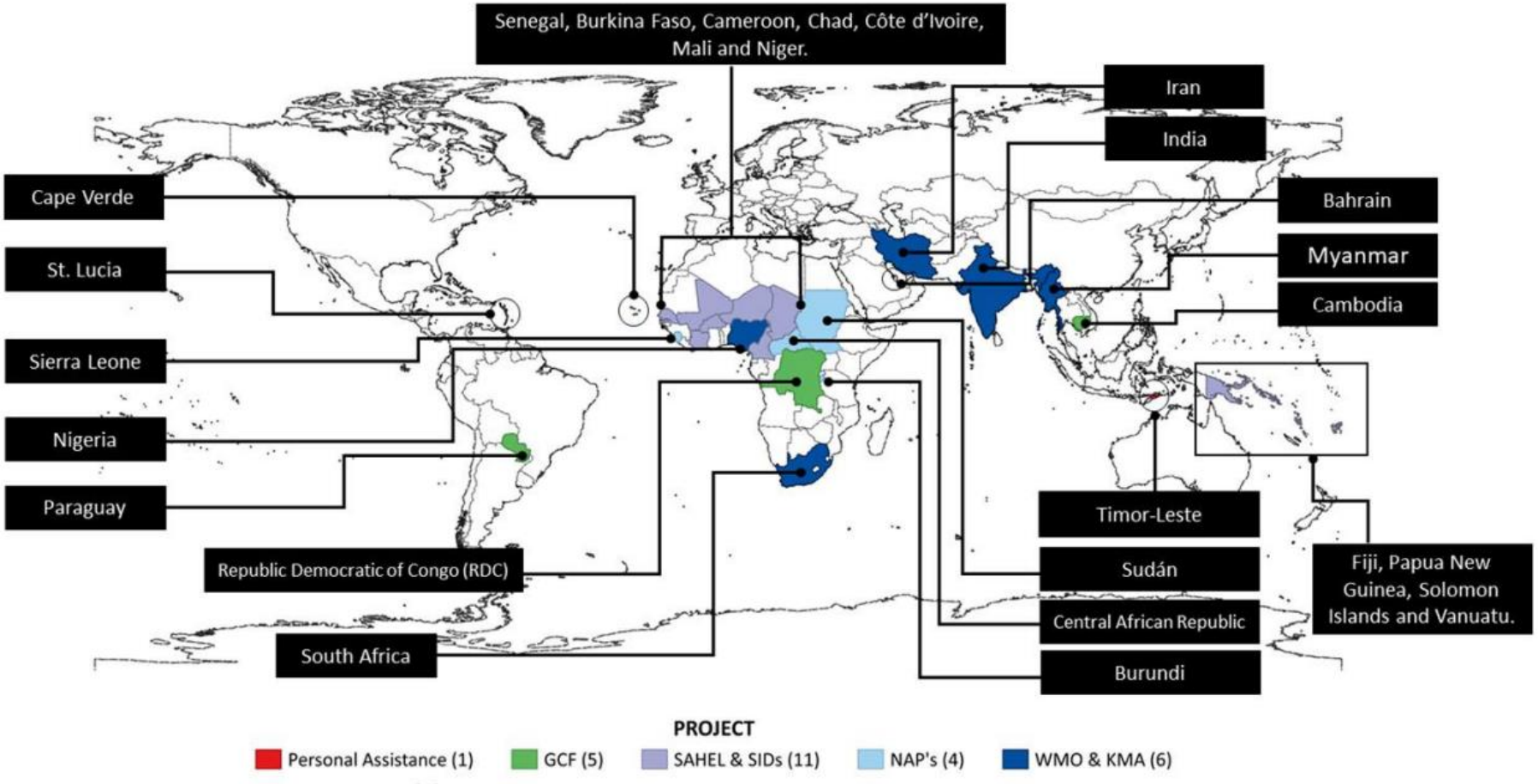
WMO-GCF Workshops



WMO-GCF workshops

Climpact (UNSW)

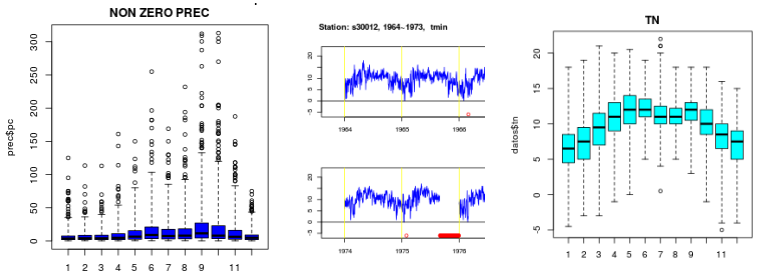
https://www.climpact-sci.org

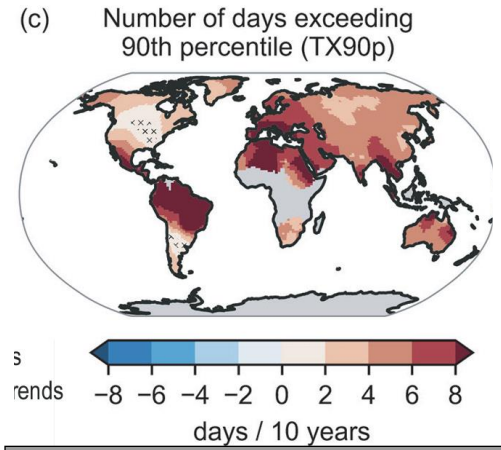
27 ETCCDI indices + 45 ET-SCI indices

From daily precipitation, max temp, min temp.

Climpact is based on RClimdex PCIC software

Climpact calculates indices using your own data





IPCC AR6. Fig. 11.9 Trends 1960-2018

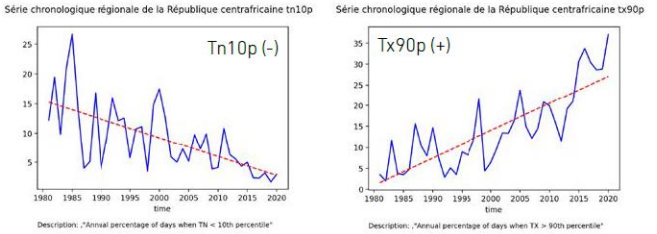
Quality Control of climate data:

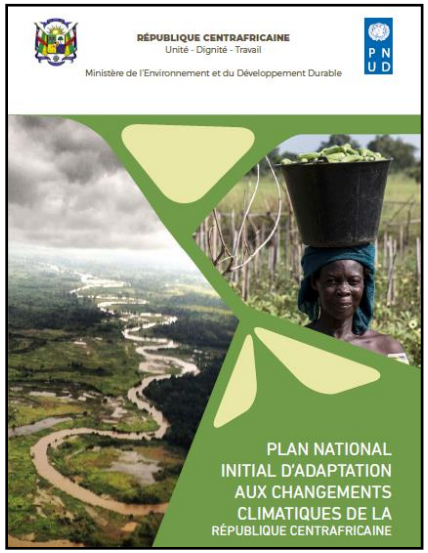
- Plots of each index over time
- Files storing indices data
- Trend and threshold calculation
- Diagnostic file and plot to identify outliers and common errors in timeseries
- Correlations with sector data

Climpact indices included in National Adaptation Plans GCF project proposals

FIGURE 10 : SÉRIE TEMPORELLE RÉGIONALE DES INDICES CLIMATIQUES POUR LA RÉPUBLIQUE CENTRAFRICAINE 1981-2019 PAR RAPPORT À LA MOYENNE 1981-2010

(+/-) indiquent des tendances (positives/négatives).





GREEN CLIMATE FUND

UNSW SYDNEY

Climpact/Climdex usage (climate indices)

ET-CID output 2. Updates to Climpact; strategy; expansion.

Online Climpact v.3 available at www.climpact-sci.org

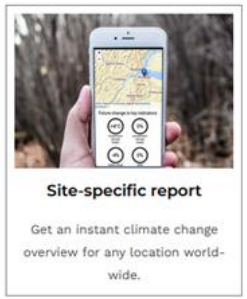
Climdex/Climpact strategy document
- Feb 2022 -

Climpact users by country (markers) and Climpact-related ET-SCI workshops (yellow boxes) and WMO/GCF workshops (green boxes)

Climate Information Platform (SMHI)

https://climateinformation.org

Example: Gaborone, BWA (-24.66 / 25.92)



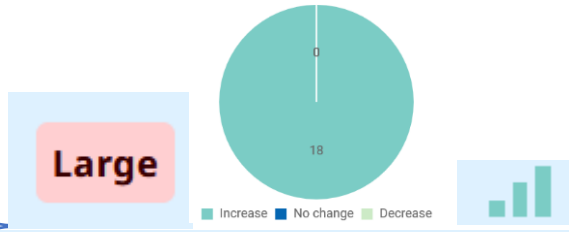
+4◦C

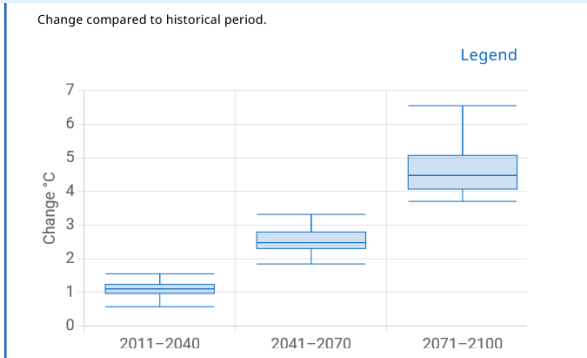
Temperature (annual mean)

Large
Change is more than 2 °C

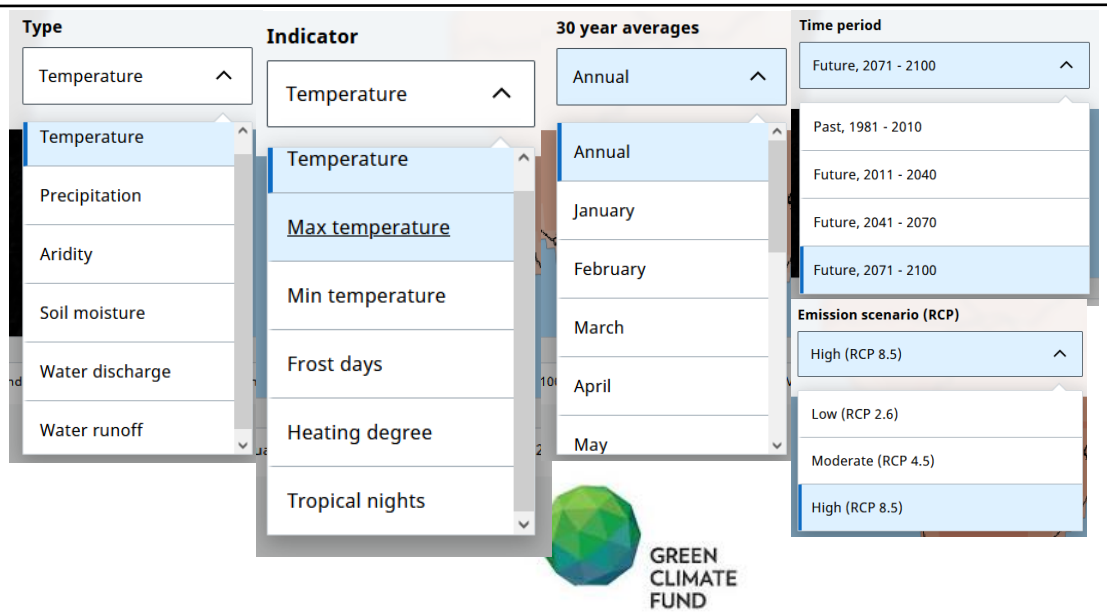
Medium
Change is 1.5-2 °C

Small
Change is less than 1.5 °C





Future change in top indicators



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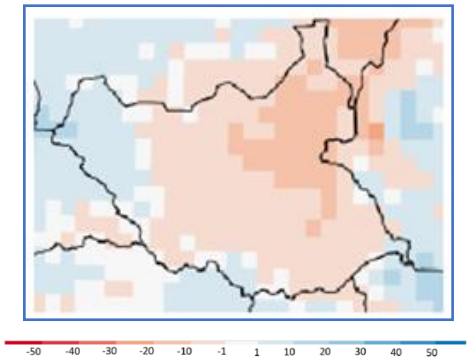

Annual Precipitation. RCP 8.5
2041 – 2070
% change vs 1981-2010

SMHI

Two possible approaches

- ***Top-down approach:***
- Climate data from global data sources/platforms (past, present, future projections)
- Non-climatic factors from global, regional, national indicators
- Theory of change – external views

- ***Bottom-up approach:***
- Climate data from local sources (data-rescue, quality, capacity building, training)
- Non-climatic factors from local case studies, domestic data sources
- Theory of change – internal views; co-production

Next workshop

- ***Forestry, agriculture, DRR, coasts.***

- ***Bangladesh***
- ***Indonesia***
- ***Laos***
- ***Myanmar***
- ***Timor-Leste***

- ***WMO***
- ***GCF***
- ***UNDRR***
- ***FAO***
- ***IPCC***
- ***GWP***
- ***GEO***
- ***…***

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Thank you
Merci

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