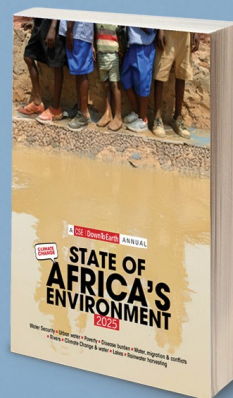


DownToEarth



mesha
Media for Environment, Science, Health and Agriculture

BOOK RELEASE & BRIEFING FOR COMMUNICATORS



STATE OF AFRICA'S ENVIRONMENT 2025

AFRICA AND CLIMATE CHANGE



DownToEarth



mesha
Media for Environment, Science, Health and Agriculture

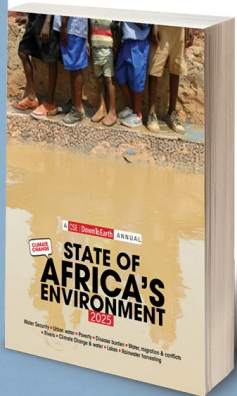
STATE OF AFRICA'S ENVIRONMENT 2025

AFRICA AND
CLIMATE CHANGE

DATA JOURNALISM WORKSHOP

Finding **credible data on** communicating
climate change for **action** (focus on Africa)

Kiran Pandey,
Programme Director,
Environment Resources Unit,
Centre for Science and Environment, India





DownToEarth

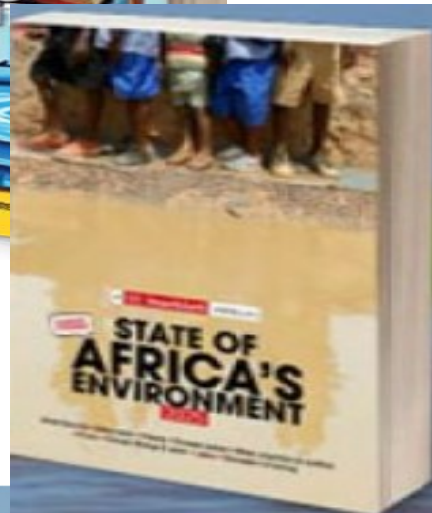
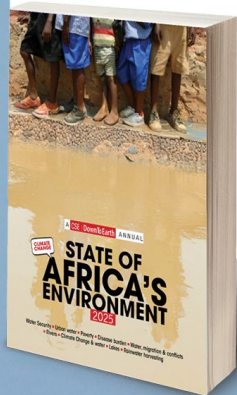


mesha

STATE OF AFRICA'S ENVIRONMENT 2025

AFRICA AND
CLIMATE CHANGE

State of Africa's Environment reports: annual assessment of key environmental issues, climate change impacts, and sustainable development challenges across Africa



- **Three** reports
- **Common message:** Africa Is the Most Climate-Hit Continent; warming faster than the world
- **Impacts:** Intense/frequent extreme weather events, rising displacements, water and food Crisis, health burden of climate change....
- **Data** has been **used** to tell the **story**; ensures accuracy and provides credibility



DownToEarth



mesha

STATE OF AFRICA'S ENVIRONMENT 2025

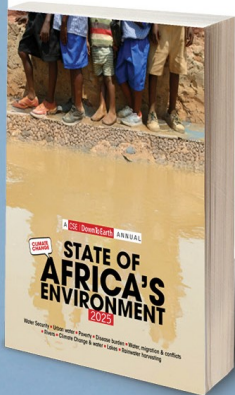
AFRICA AND
CLIMATE CHANGE



PUBLICATION

19 March 2025

State of the Global
Climate 2024



World Meteorological Organisation

<https://public.wmo.int/en>

Important publications on climate
(Annual): [State of the Global
Climate](#)

See this for **data/trends on key
indicators** including Greenhouse
gas emissions; Global Mean
Surface Temperature;
Precipitation; Ocean heat content,
Coral bleaching; Sea level rise

Temperature
trends

Sea-surface
temperatures

Sea level rise

Extreme weather
events

[State of the climate in Africa](#)

[Annual Air Quality and Climate
Bulletin](#)



DownToEarth



mesha

STATE OF AFRICA'S ENVIRONMENT

2025

AFRICA AND CLIMATE CHANGE

WMO dashboard: State of extreme weather events

<https://experience.arcgis.com/experience/5cb119c71c6c4f8a89b837bf5cf353b8>



How to use the

- Use the filters along to header to focus the information displayed by country, WMO region, or event start date.
- Click on any area to further filter out information displayed. Click again to remove the filter.
- Refresh the page to reset all filters and be patient, data can take time to load.
- Expand or reduce the windows by hovering over the borders between boxes.
- To see WMO guidance on extremes, [click here](#).
- Click the "Download

Download data

Feedback

Extreme Events in 2...

Results from WMO Member Survey (open)

Filter by Country

No category selec...

Filter by Region

Region 1 (Afri...

Filter by Event Start D...

09/19/2025 and before

Filter by Event Type

No category selec...

Filter by Ra...

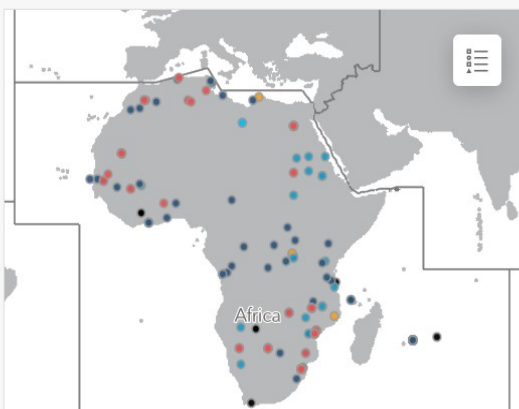
None

WMO Members
26

Reported Events
162

Unprecedented
15

Unusual
44



The designations employed and the pres... Powered by Esri

☒ Region 1 (Africa)

☐ Region 2 (Asia)

☐ Region 3 (South America)

☐ Region 4 (North America,
Central America & the
Caribbean)

☐ Region 5 (Southwest Pacific)

Reset

Select all

Country

Côte d'I...

Tornado

3/25/20...

3/25/20...

Touleple...

Côte d'I...

Tornado

4/23/20...

4/24/20...

Facobly (...)

Côte d'I...

Flood

6/13/20...

6/14/20...

Abidjan

Côte d'I...

Flood

6/16/20...

6/21/20...

Abidjan

Location...

621.3k
Displaced

2.9k
injured

300
death(s)

Economic Losses

destroyed rubber fields

Several educational establishments
are destroyed

Description

strong wind

strong wind

heavy rain with thunderstorms

heavy rain with thunderstorms

Heavy rains struck the governorates of
Sousse, and Mahdia on Monday,
September 23, 2024, with rainfall
total reaching up to 102 mm in

5 new notifications (Do not disturb on)



DownToEarth



mesha

STATE OF AFRICA'S ENVIRONMENT 2025

AFRICA AND
CLIMATE CHANGE



Public EM-DAT

Access Data

User Information

Documentation

EM-DAT Project

EM-DAT database

<https://public.emdat.be/data>

Comprehensive **global database**

Data on over 27000
disasters/extreme weather events
from 1900 till date

Continent and country-level data;
disaster-type; trends

For example, search **Africa**

You can **access this for free** by
registering

The screenshot shows the EM-DAT database search interface. Red circles highlight the following elements:

- Classification:** A dropdown menu showing selected filters: "Climatological x", "Hydrological x", and "Meteorological x".
- Time period:** A date range selector with "From" set to "2015" and a timeline slider from "2000" to "2025".
- Countries:** A search box containing "Africa x" with a dropdown list showing "Africa" (checked), "Americas", "Asia", "Europe", and "Oceania".
- Historical events:** A blue box with the text "Pre-2000 data is particularly subject to reporting biases. To download this data, activate the button below." and a toggle switch for "Include Historical events (pre-2000)".
- Data validation:** A pink box with the text "Data validation for the current year is conducted at the beginning of the subsequent year. Users are advised to exercise caution when interpreting figures from the ongoing year."
- Download button:** A blue button labeled "Download" next to a "Reset" button, with the text "Records found: 672" to its right.



DownToEarth



mesha

STATE OF AFRICA'S ENVIRONMENT 2025

AFRICA AND CLIMATE CHANGE



Climate Services Dashboard National Overview



Home Page

NDC

Climate Services Capacities

Investment

National Page

Methodology

You have selected Ethiopia.

Country

Ethiopia

Clear all filters

- ☐ Dominica
- ☐ Dominican Republic
- ☐ Ecuador
- ☐ Egypt
- ☐ El Salvador
- ☐ Eritrea
- ☐ Estonia
- ☐ Eswatini
- ☒ Ethiopia
- ☐ Eritrea

mined Contributions (NDCs)
Revised First NDC



Country Overview

Ethiopia

LDCs

Data Validated Through Country Hydromet Diagnostics

NFCS Implementation Status

5

[Step-by-step Guidelines for Establishing a National Framework for Climate Services](#)



Climate Extremes (Data from)

Reported Disasters

87

Reported Deaths

404,765

Deadliest Hazards:

Drought

Costliest Hazards:

Drought

NDC Summary

(unconditional and conditional elements) corresponds to a reduction of 68.8% compared to the BAU projection by 2030. The unconditional component foresees emission reductions of 14%, and the conditional component contributes to approximately 54.8% compared to the BAU projection by 2030.

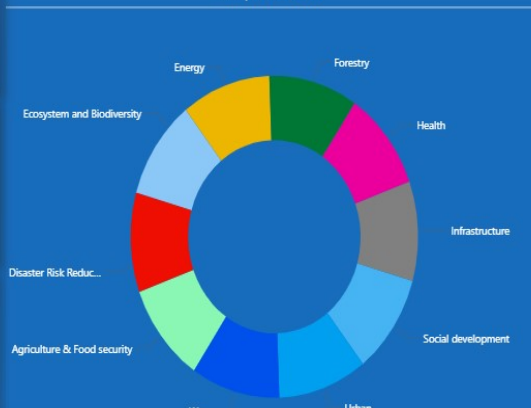
Climate Services Mentioned in the NDC

Number of modern weather condition monitoring stations enhanced; Enhancing climate service data reliability; Modernise and update the basin information system coverage

Early Warning Mentioned in the NDC

Increase Number of climate and early warning data produced and disseminated/year

Adaptation sectors





DownToEarth

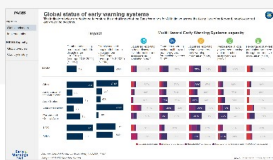


mesha

STATE OF AFRICA'S ENVIRONMENT 2025

AFRICA AND CLIMATE CHANGE

Early Warnings For All



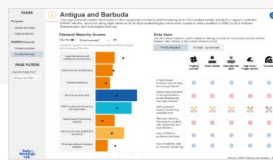
Global indicators

Explore the overall progress of the Early Warnings For All initiative. Indicators capture the global impact of natural disasters and the status of Multi-Hazard Early Warning Systems.



Implementation indicators

Learn more about the global key indicators designed to measure the EW4All Pillar Implementation Strategies. Use the tabs to explore data for each of the four pillars as well as cross-cutting indicators.

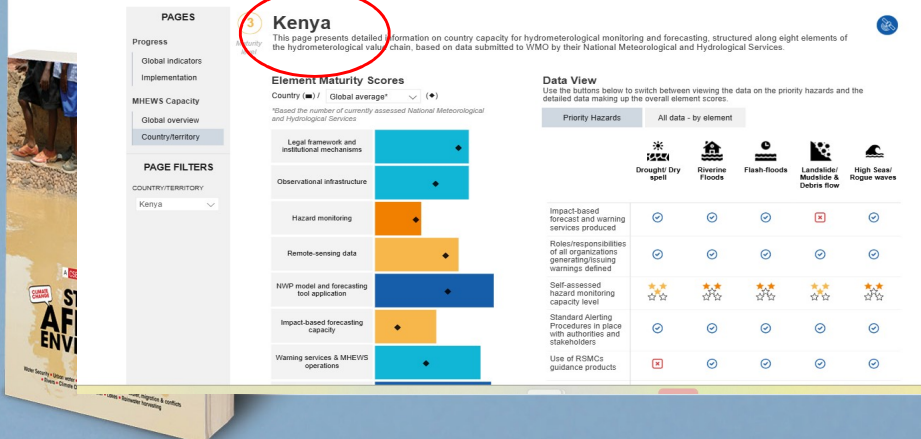


MHEWS Country Capacity

Delve into country-level MHEWS capacity information as collected by EW4All monitoring efforts.

Early Warnings for All Dashboard

The Early Warnings for All Initiative dashboard aims at tracking progress, informing decision-making and measuring success as key elements for achieving its five-year goal of the Early Warnings for All Initiative: to ensure that all people on Earth are covered by early warning systems by 2027.



Early warning for all dashboard

<https://earlywarningsforall.org/site/early-warnings-all/dashboards/early-warnings-all-dashboard>

Tracks progress for the Early Warnings for All (EW4All) initiative (the UN-led global effort to protect everyone from hazardous weather and climate events by the end of 2027)

State of multi-hazard early warning systems globally: how many countries are covered, how well systems are functioning

Tracks progress in the four pillars of early warning systems (disaster risk information; hazard monitoring & forecasting; warning dissemination & communication; response capability)



DownToEarth



mesha

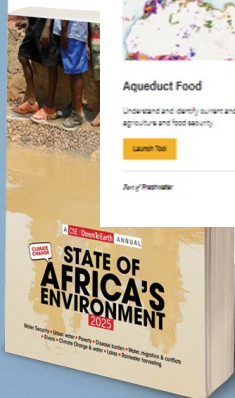
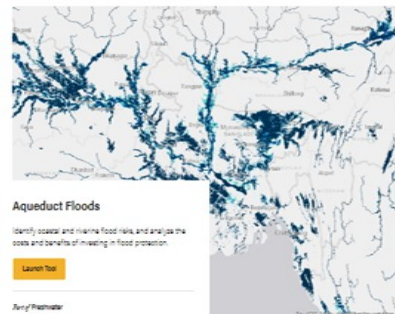
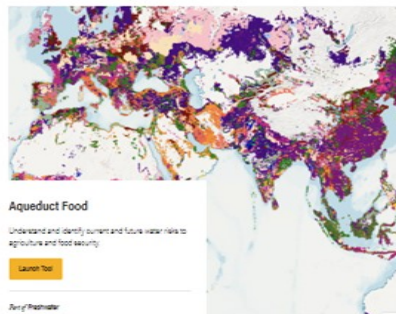
STATE OF AFRICA'S ENVIRONMENT 2025

AFRICA AND
CLIMATE CHANGE

Aqueduct Tools



Map and analyze current and future water risks across locations.



Aqueduct tools, WRI (water security risk)

<https://www.wri.org/aqueduct/tools>

[Aqueduct Water Risk Atlas](#)

Analyses current and future water risks across locations (projections for 2030, 2050 and 2080), includes 13 indicators representing annual water risks, 6 indicators representing future projections of annual water risks

[Aqueduct Country Rankings](#)

Useful to understand/compare national and subnational water risks

[Aqueduct Food](#)

Identifies current/future water risks to agriculture/food security

[Aqueduct Floods](#) for coastal and riverine flood risks



DownToEarth



mesha

STATE OF AFRICA'S ENVIRONMENT

2025

AFRICA AND
CLIMATE CHANGE

About Displacement Data Methodology API documentation

IDMC Data Portal

Explore the Global Internal Displacement Database (IDDD), a global repository of internal displacement data since 2008.

Downloadable data files include metadata, copyright details, and methodology of entries.

[Download dataset](#)

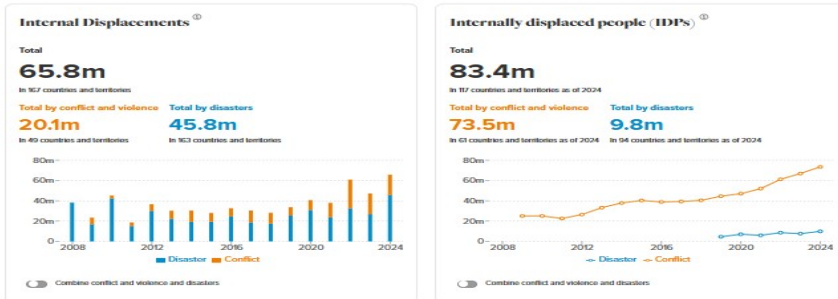
Internal Displacements or Internally displaced people (IDPs)

Conflict and Violence or Disasters

Country, area, or territories
The component select, up to 2 countries or territories can be selected

Timescale 2024 - 2024

Additional Disasters Filter



Country Profiles

In 2024, a total of 65.8 million internal displacements were recorded in 167 countries and territories.

As of the end of 2024, 83.4 million people were recorded as displaced across 117 countries and territories due to conflict, violence and disasters.

IDMC monitors internal displacement for all countries and territories around the world throughout the year. Clicking on a given country or territory will lead you to the country-specific data.

All A B C D E F G H I J K L M N O P R S T U V Y Z

A

Abyei
Algeria
Argentina
Austria
Afghanistan
Angola
Armenia
Azerbaijan
Albania
Antigua and Barbuda
Australia

Internal displacement monitoring centre

<https://www.internal-displacement.org/database/displacement-data/>

Statistics and analysis on conflict- and disaster-related displacements

Use this data to back your stories with hard evidence rather than anecdotal accounts.

Track year-on-year displacement patterns, journalists can highlight how climate change, conflicts, or disasters are affecting specific African countries or regions

Use the data to question governments and institutions about your preparedness, response, and policies on housing, humanitarian aid, and adaptation, giving voice to displaced communities



DownToEarth



mesha

STATE OF AFRICA'S ENVIRONMENT 2025

AFRICA AND
CLIMATE CHANGE

Sustainable development goals (SDGs)

<https://dashboards.sdindex.org/profiles/>



World is **not on track** to meet SDG 13 (climate action); **Link** between **climate change** and the **SDGs**

For example,

🌐 **SDG 1** – No Poverty: Extreme weather worsens poverty

🌾 **SDG 2** – Zero Hunger: Droughts & floods reduce food security

❤️ **SDG 3** – Good Health: Heatwaves & diseases rise

💧 **SDG 6** – Clean Water: Rainfall shifts increase water stress

⚡ **SDG 7** – Clean Energy: Renewables cut emissions

🏙️ **SDG 11** – Sustainable Cities: More urban climate risks

🌡️ **SDG 13** – Climate Action: Urgent mitigation/adaptation

🐟 **SDG 14** – Life Below Water: Oceans & fisheries threatened

🌲 **SDG 15** – Life on Land: Forests & biodiversity at risk



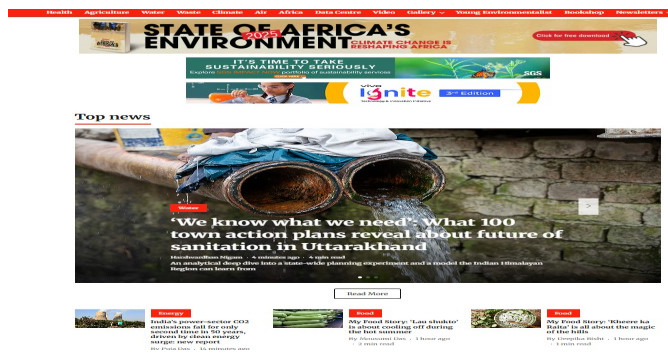
DownToEarth



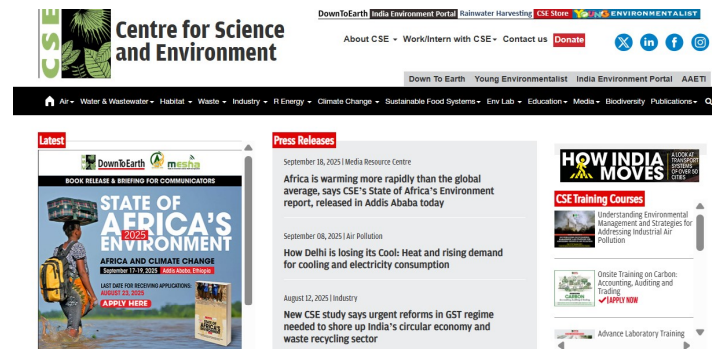
mesha

STATE OF AFRICA'S ENVIRONMENT 2025 AFRICA AND CLIMATE CHANGE

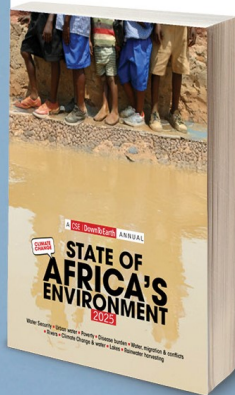
Down to Earth
<https://downtoearth.org.in>



Centre for Science and Environment
<https://www.cseindia.org>



India Environment Portal (<https://indiaenvironmentportal.org.in>)





DownToEarth



mesha
Institute for Environment, Science, Health and Agriculture

STATE OF AFRICA'S ENVIRONMENT 2025

AFRICA AND
CLIMATE CHANGE

thank you

