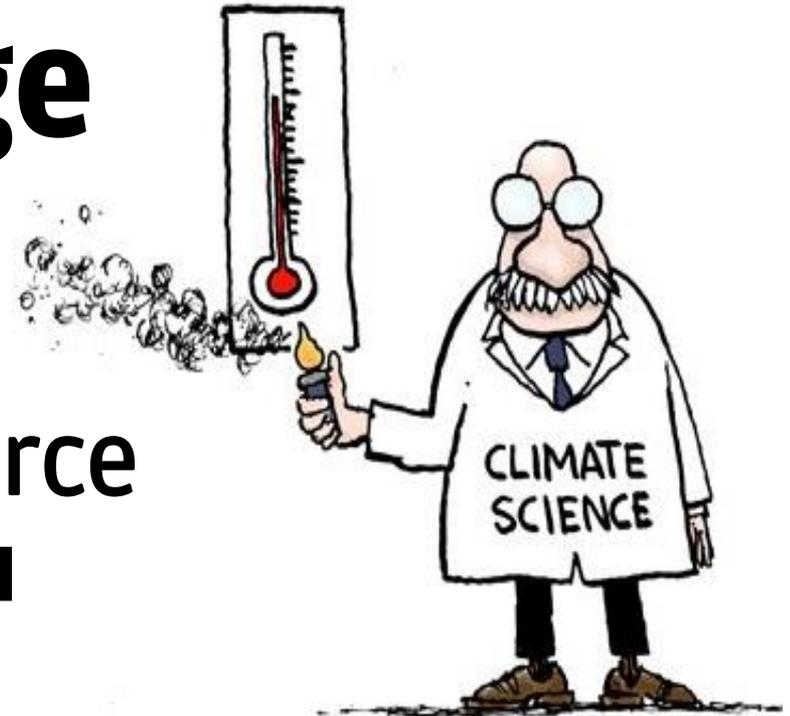




Writing that **Climate Change Story**

The thing about the Source

DTE WEBINAR ON REPORTING ON CLIMATE CHANGE



AN INCONVENIENT TRUTH

What will be covered



- Why **data** matters in “**the climate story**”
- **What** is **good data**
- **Where**, when **to find** and meet “good data”
- **How** to find the right numbers “to strengthen your story”; investigate, unfold and create a “breaking story”



Climate is everyone's beat



- Need to report: the **science** and **politics**
- Need to report: Global developments with a national, regional, local perspective
- Build your **diary** of “global and national **events**” on “climate and related cross-sectoral sectors”
- Editors often ask for ground reports; you need to find evidence; meet “People”; take interviews
- “Data can help you find a better story” ; your story is likely to have a high recall value; Suits the best to new age platforms/audience

So, why not **meet “data” too**; and **make a “personal data diary”**

But, what is good data



Information/data overload is a challenge

So look for data from a **reliable source**; **regular**; **shows trends**

Granular data; helps understand global and the local scenario

Open access data that is easy to operate:
E.g: Excel file; CSV file
Ready to use “graphical data”
supplemented **with the “raw data”**



Meet, interview and deep dive the data



Make your **personal data diary**

Consisting of “**addresses (or the source)**”

Visit these; to understand them better (**build friendship with the datasets**)

Identify the ones that are **released regularly**: annual; monthly; weekly

Look for “**trends**” by combining them and analyzing them; create your own “new data set”

A breaking; unexpected; story may emerge

So, maintain your “**diary of data sources**” and “**relevant data sets**” in them

Choosing the numbers: three factors “ACM”



Audience (A): Rural/urban,
Domestic/international, Government

Context (C): Time your story with the right occasion for most impact world E.g: World women day and climate (a gender-sensitive story + data + photos + video, will is likely to be read most on the day)

Medium (M): Print, web and the latest is mobile

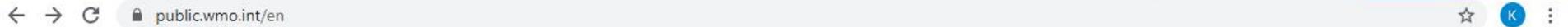
But remember “**3 R**” and a “**T**” : right, relevant, recent information and the trends



Finding the right numbers: International

World Meteorological Organization

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



WORLD
METEOROLOGICAL
ORGANIZATION
Weather · Climate · Water

English ▾

- Our mandate
- Programmes
- Projects
- Resources
- Media
- Events
- About us
- Community Platform
- Reform
- Search

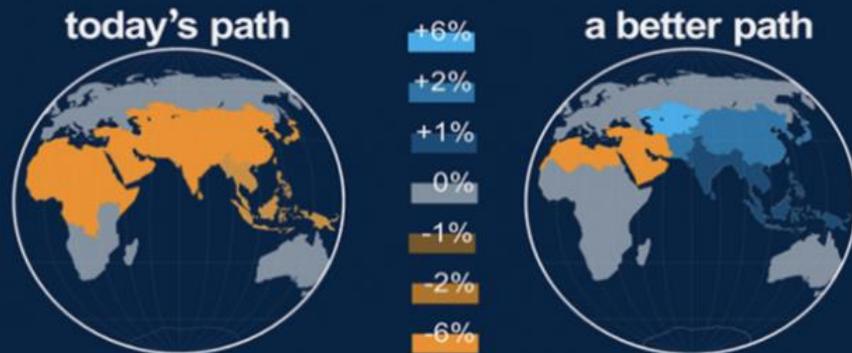
Weather

Climate

Water

Environment

The Impact of Water Scarcity on GDP



News

June sees more global heat, especially in Arctic Siberia

News

Water and climate coalition takes shape

Jul
3

News

WMO issues airborne dust bulletin as historic event hits Caribbean

Jun
26

Press Release

WMO certifies Megaflash lightning extremes

Jun
24

News

WMO launches E-learning platform for hazard alerts

Jun
24

National Oceanic and Atmospheric Administration

<https://www.noaa.gov/climate>



It provides data, tools, and information to help people understand and prepare for climate variability and change. But Check out the **climate dashboard** here

Global Climate Dashboard

Climate Change

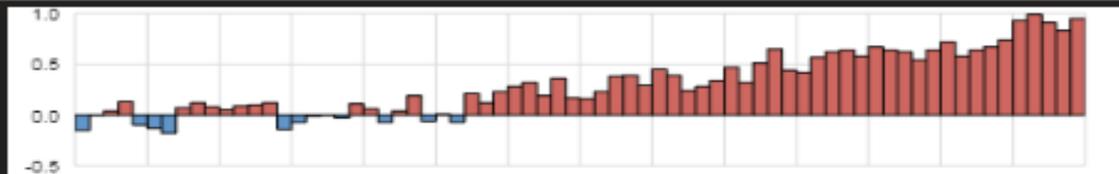
Climate Variability

Climate Projections

Global Average Temperature (°C)

The temperature near Earth's surface is rising: the bars show each year's average temperature compared to the 20th century average.

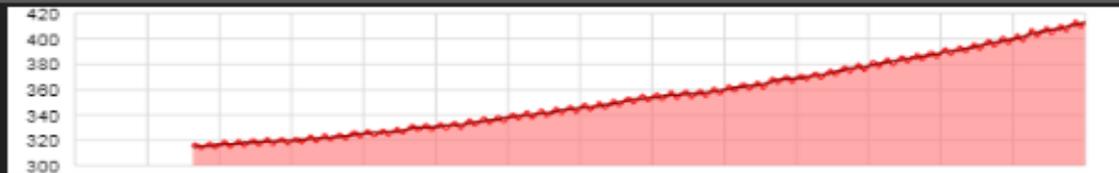
[learn more >>](#)



Carbon Dioxide (ppm)

The amount of carbon dioxide in the atmosphere has risen by 25% since 1958, and by about 40% since the Industrial Revolution.

[learn more >>](#)



Spring Snow Cover (million km²)

Snow is melting earlier: each bar shows spring snow cover in the Northern Hemisphere compared to the long-term average.

[learn more >>](#)



Click and drag any graph to change the timeline.

1950 1955 1960 1965 1970 1975 1980 1985 1990 1995 2000 2005 2010 2015 2020

← Earlier

Later →

▲ Temperature	▲ Carbon Dioxide	▲ Snow
▶ Sea Level	▶ Arctic Sea Ice	▶ Ocean Heat
▶ Sun's Energy	▶ Glaciers	▶ Heat-Trapping Gases

World Resources Institute (CAIT Climate Data Explorer)

<https://www.climatewatchdata.org/>



The climate data platform has useful data, visualizations and resource. Can help with insights on national and global progress on climate change; Targets in Laws and Policies For example, Ghana

CLIMATEWATCH COUNTRIES ▾ SECTORS ▾ COMMITMENTS ▾ GHG EMISSIONS PATHWAYS ABOUT ▾ MY CW DATA EXPLORER ⌵

Ghana

Compare

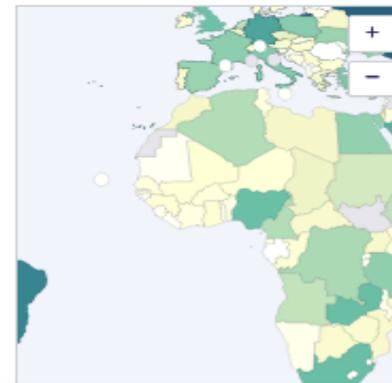
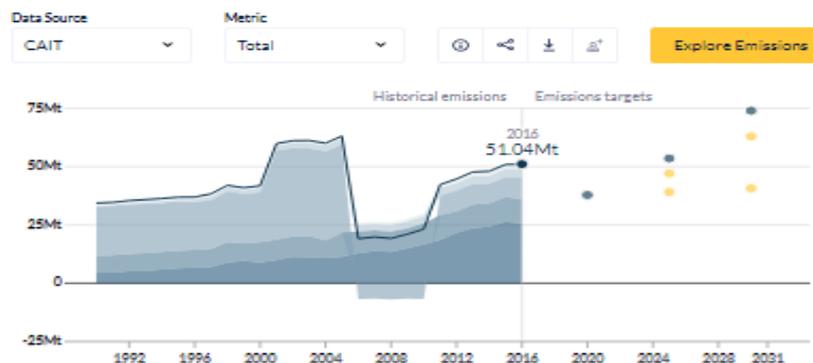
GDP per capita (2018) - USD 2,202 (ranked 136th globally)
Population (2018) - 29,767,108 (2.19% annual growth)

Timeline of UNFCCC Document Submissions

2001 2010 2011 2015 2016 2018 2019 2020

GHG Emissions Climate Vulnerability and Readiness NDC Content Overview LTS Content Overview NDC-SDG Linkages Targets in Laws and Policies

Greenhouse Gas Emissions and Emissions Targets



Please note that the level of emissions in future years is estimated based on the mitigation targets communicated by countries in their pre-2020 pledges and nationally determined contributions, which might differ from historical emissions presented in terms of source, sector and gas coverage, GWP values and inventory methodologies used. The historical levels of emissions and future target levels of emissions are presented on the same chart for illustration only and analysis drawn directly from the chart is therefore limited.

For detailed methodology and data sources used, please refer to UNEP's [Pledge Pipeline](#).



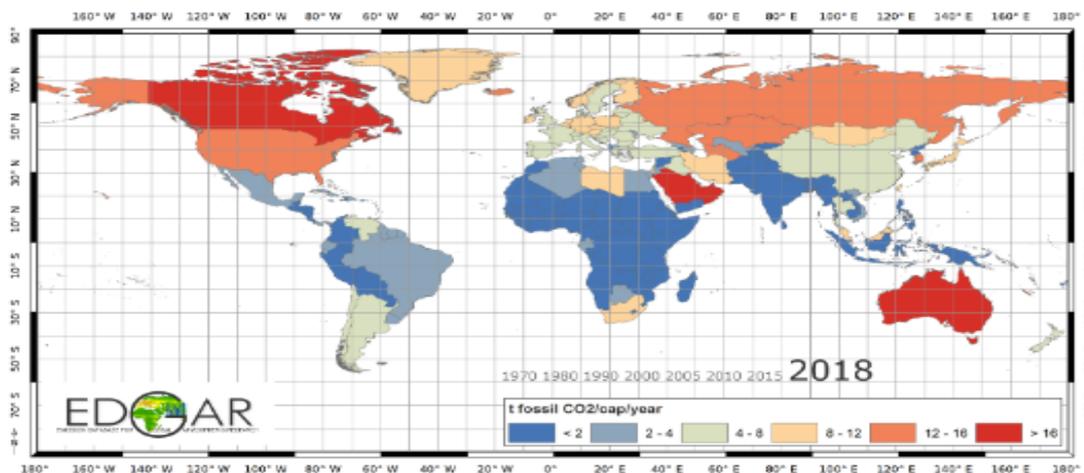
Emissions Database for Global Atmospheric Research

<https://edgar.jrc.ec.europa.eu/>



The Emissions Database for Global Atmospheric Research (EDGAR) provides global past and present day anthropogenic emissions of greenhouse gases and air pollutants by country and on spatial grid. Greenhouse Gases like: CO₂, methane, N₂O and Fluorinated gases (F-gases) calculated for all countries

For example, **Fossil CO₂ and GHG emissions by country. You can find your country' here. Know the trends**



Fossil CO₂ and GHG emissions by country

The data are presented in the table below for key years, to allow easy comparison of different countries.

"Country names are consistent with the Interinstitutional Style Guide of the European Commission available at <http://publications.europa.eu/code/en/en-370100.htm>; the "Short name" definition listed in the "List of countries, territories and currencies" table at <http://publications.europa.eu/code/en/en-5000500.htm> has been used (as of 16/07/2019).

EDGAR data are expressed in metric units.

[CO₂ total emissions](#) - [CO₂ per capita emissions](#) - [CO₂ per GDP emissions](#) - [GHG total emissions](#) - [GHG per capita emissions](#) - [GHG per GDP emissions](#)

Country	1990	2000	2005	2010	2015	2017	2018	2018
unit	Mton	% world total						
EU28	4408.53	4121.66	4250.76	3922.47	3492.04	3524.98	3457.28	9.13

Climate Analytics



<https://climateanalytics.org/>

Covers: Science Assessment and Analysis; Climate Impacts and Risk Assessment; negotiations; climate finance, policy analysis

Check out the Climate Action Tracker here : <https://climateactiontracker.org/>

The government roadmap for addressing the climate and post COVID-19 economic crises says that African Union and the International Renewable Energy Agency (IRENA) have agreed to work closely to **advance renewable energy** across the continent to **bolster Africa's response to COVID-19**.

Climate
Action
Tracker

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Climate Target Update Tracker

We will be tracking governments as they update their Paris Agreement targets, and calling out those who are not planning to do so.

FIND OUT MORE >



Overview

Rating system

Argentina	Indonesia	Singapore
Australia	Japan	South Africa
Bhutan	Kazakhstan	South Korea
Brazil	Kenya	Switzerland
Canada	Mexico	The Gambia
Chile	Morocco	Turkey
China	Nepal	UAE
Costa Rica	New Zealand	USA
EU	Norway	Ukraine
Ethiopia	Peru	United Kingdom

CLIMATE
Tracker
of the
update



Data to connect... join the dots

Food and Agriculture Organization



<http://www.fao.org/faostat/en/#data>

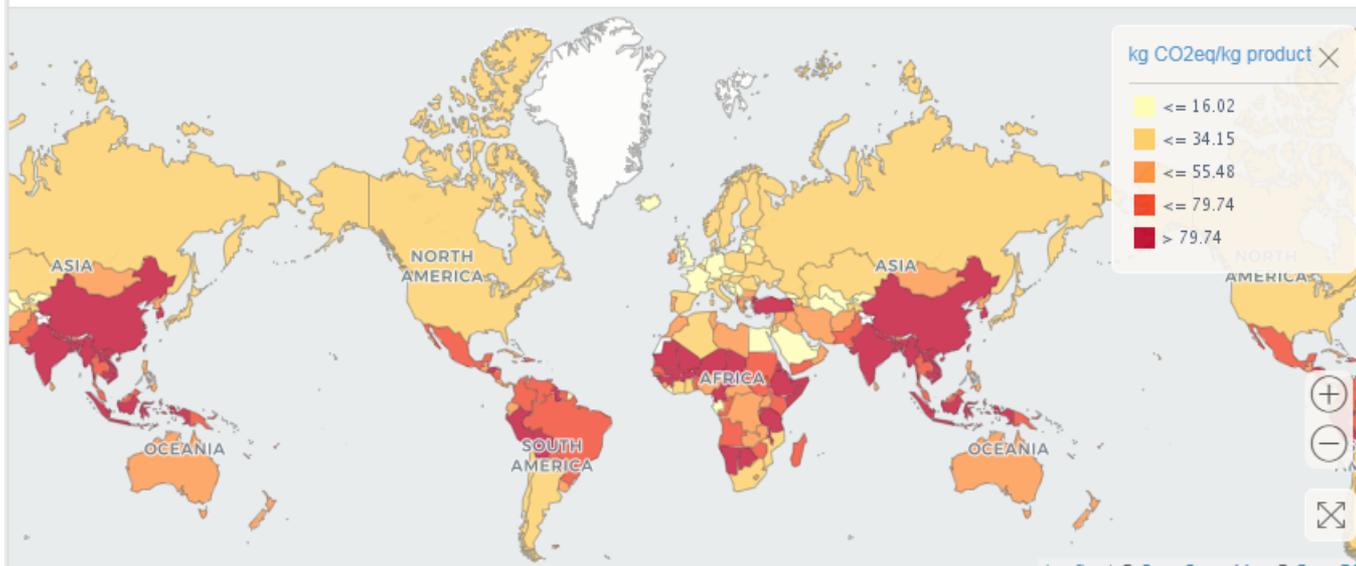
Find data on **Emissions intensity** by country of **selected agricultural and animal products** for your region and country . <http://www.fao.org/faostat/en/#data/EI/visualize>
For example, **Africa region**

DOWNLOAD DATA VISUALIZE DATA METADATA

Emissions intensity by country of selected agricultural and animal products

Item: Country/Region: From Year: To Year:

Emissions intensity by country of Meat, cattle
Average 1961 - 2017



Emissions intensities

Intensities of greenhouse gas (GHG) emissions by unit of product for a selection of agricultural commodities.

Food and Agriculture Organization of the United Nations (FAO)

Bulk Downloads

All Data	1.47 MB
All Data Normalized	3.08 MB
All Area Groups	611 KB
Africa	552 KB
Americas	394 KB
Asia	521 KB
Europe	369 KB
Oceania	105 KB

Last Update
November 27, 2019

Related Documents

[README Methodological Note](#)

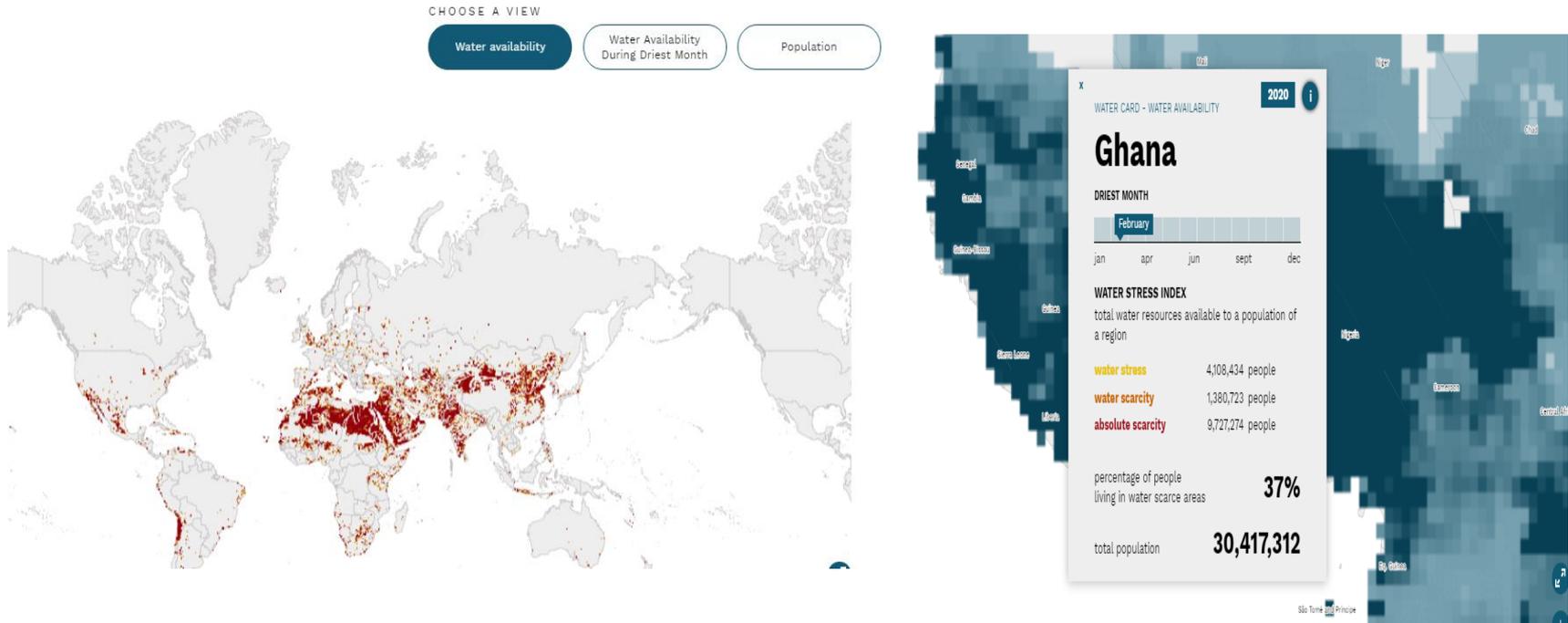
Data to connect... join the dots

Water Scarcity Clock

<https://worldwater.io/>

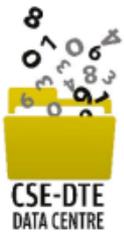


An interactive web tool : Visualizes how many people live in water scarcity around the world.
Absolute water scarcity is defined as levels of less than 1,000 cubic meters per person a year.
Use this to check **status of your country**



WHO Regional office for Africa

<https://aho.afro.who.int//>



English

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Africa (Publications) ... track regularly

<https://dataportal.opendataforafrica.org/publications>



Publications

- The AfDB Statistics Pocketbook
- Africa Infrastructure Development Index (AIDI)
- African Statistical Yearbook
- African Development Report
- Africa Competitiveness Report
- Africa Tourism Monitor
- Africa and Global Economic Trends Quarterly Review
- African Economic Outlook
- African Statistical Journal
- Country Assessment of Agricultural Statistical Systems in Africa
- Country SPARS Documents
- Annual Report
- ICP Results
- International Debt Statistics
- Capacity Focus
- Compendium of Statistics on Bank Group Operations
- Development Effectiveness Reviews
- GDP Compilation in African Countries: A step-by-step manual
- Gender, Poverty and Environmental Indicators on African Countries
- Guidelines for Building Statistical Business Registers in Africa
- Labour Force Data Analysis: Guidelines with African Specificities
- Millennium Development Goals (MDGs) Report
- Policy Briefs
- Safeguards and Sustainability Series
- Tracking Africa's Progress in Figures
- Statistical Business Register
- Harmonized Consumer Price Index (HCPI-COMESA)

Our world in data helps to join the dots with development issues that matter

<https://ourworldindata.org/>



The screenshot displays the 'Our World in Data' website interface. The top navigation bar includes the site name, a search bar, and links for 'Latest', 'About', and 'Donate'. A dropdown menu is open under 'Articles by topic', listing various categories. The 'Energy and Environment' category is highlighted, and a secondary menu is visible, listing specific topics such as 'CO2 and Greenhouse Gas Emissions', 'Air Pollution', 'Outdoor Air Pollution', 'Indoor Air Pollution', 'Ozone Layer', 'Access to Energy', 'Energy', 'Renewable Energy', 'Fossil Fuels', 'Environmental impacts of food production', 'Forests', 'Land Use', 'Natural Disasters', 'Plastic Pollution', 'Oil Spills', 'Clean Water', 'Sanitation', and 'Water Use and Stress'. The footer of the page features the text 'USED IN TEACHING' and logos for Harvard University, Stanford University, Berkeley University of California, University of Cambridge, University of Oxford, and MIT.

Our World in Data

Articles by topic

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All charts Sustainable Development Goals Tracker

OXFORD MARTIN SCHOOL UNIVERSITY OF OXFORD GC DL

- Health
- Demographic Change
- Food and Agriculture
- Education and Knowledge
- Energy and Environment**
- Innovation and Technological Change
- Poverty and Economic Development
- Living conditions, Community and Wellbeing
- Human rights and Democracy
- Violence and War
- Sustainable Development Goals Tracker

- CO₂ and Greenhouse Gas Emissions
- Air Pollution
- Outdoor Air Pollution
- Indoor Air Pollution
- Ozone Layer
- Access to Energy
- Energy
- Renewable Energy
- Fossil Fuels
- Environmental impacts of food production
- Forests
- Land Use
- Natural Disasters
- Plastic Pollution
- Oil Spills
- Clean Water
- Sanitation
- Water Use and Stress

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The one-stop source for cross-sectoral data

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



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Benin



Bhutan



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Bosnia and Herzegovina



Botswana



Brazil

Track more developments, news, research



United Nations Framework Convention on Climate Change (UNFCCC) <https://unfccc.int/news>
Over here, look for the NDC registry <https://www4.unfccc.int/sites/NDCStaging/Pages/All.aspx>

Intergovernmental Panel on Climate Change (IPCC): the United Nations body for assessing the science related to climate change <https://www.ipcc.ch/>

International disaster database (EM-DAT): for natural disasters and their impact
<https://www.emdat.be/>

Relief web: curated updates on disasters and their impact <https://reliefweb.int/>

DOAJ, the Directory of Open Access Journals <https://doaj.org/>
14,907 Journals; 11,945 searchable at Article level; 133 Countries; Over 5,071,025 Articles

Government websites: Environment, Agriculture, Water E.g <https://mesti.gov.gh/> (Ghana environment ministry)

Government meteorological agencies like the Ghana Meteorological Agency (Gmet)

See also CSE Resources: **Down to Earth** (<https://www.downtoearth.org.in/>) and **India Environment Portal** (<http://www.indiaenvironmentportal.org.in/>)

Track these through **social media** too. Subscribe their **e-mail alerts and newsletters**. **Subscribe to lists like** Climate Change Info Mailing List climate-l@lists.iisd.ca for sourcing and outreach too



Thank You

KIRAN PANDEY

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