



Nuestra ref.: 08314/2022/S/CS/CMP

19 de abril de 2022

Anexo: 1 (disponible en inglés solamente)

Asunto: Informe climático decenal (2011-2020)

Finalidad: Aportar contribuciones al informe, proporcionar información climatológica y designar un coordinador no más tarde del **29 de abril de 2022**

Estimado señor/Estimada señora:

Como tal vez sepa, la Organización Meteorológica Mundial (OMM), en colaboración con los Miembros y la Comisión de Aplicaciones y Servicios Meteorológicos, Climáticos, Hidrológicos y Medioambientales Conexos (SERCOM), proporciona información fidedigna sobre el estado del clima mundial y regional a escalas temporales anuales y plurianuales.

El primer informe climático decenal, titulado *El estado del clima mundial 2001-2010: un decenio de fenómenos climáticos extremos — Informe resumido* (OMM-Nº 1119), contenía contribuciones de más de 120 Miembros. Tras el éxito cosechado por esa publicación, me complace informarle de que está previsto que en 2023, coincidiendo con el balance mundial de la Convención Marco de las Naciones Unidas sobre el Cambio Climático (CMNUCC), se publique un segundo informe de ese tipo, centrado en el período 2011-2020. En esa publicación se brindará información sobre los indicadores climáticos clave y los impactos climáticos que repercuten en el desarrollo sostenible. La nota conceptual y la metodología correspondientes figuran en el anexo a la presente carta.

Por la presente le invito a contribuir a este importante informe. Para ello, deberá solicitar a su institución que proporcione la información climatológica que se describe en esta encuesta digital (https://analytics-eu.clickdimensions.com/cn/accqt/decadal_survey) y designe un coordinador, quien ejercerá de interlocutor con la Secretaría. Le agradecería que completara la encuesta en línea indicada no más tarde del **29 de abril de 2022**.

El señor Omar Baddour (obaddour@wmo.int), con la asistencia de la señora Claire Ransom (cransom@wmo.int), se encarga de coordinar las cuestiones relacionadas con el informe. Si tiene alguna pregunta al respecto o necesita ayuda para completar la encuesta, sírvase ponerse en contacto con la señora Ransom mediante la dirección indicada.

Asimismo, quisiera darle las gracias por su colaboración con las actividades climáticas y su contribución a esta iniciativa.

A los Representantes Permanentes de los Miembros ante la OMM

Copias: Asesores Hidrológicos
presidente de la SERCOM
presidente de la INFCOM
presidentes de las asociaciones regionales

Aprovecho la ocasión para agradecerle su continuo apoyo a la OMM y sus actividades.

Le saluda atentamente.

A handwritten signature in black ink, consisting of a series of fluid, connected strokes that form a stylized representation of the name Petteri Taalas.

Prof. Petteri Taalas
Secretario General



Decadal Report 2011-2020

CONCEPT & METHODOLOGY



Background

- **The first decadal report** was published in 2013. ([WMO-No.1103](#)). It covered 2001-2010 decade. It was published and launched at the occasion of the first Intergovernmental Board of Climate Services (IBCS), held at the Palais des Nations, Geneva in July 2013.
- **The decadal report for the period 2011-2020**, the second of its kind, is planned to be published in 2023, coinciding with the UNFCCC global stock-take, with focus on climate and Sustainable Development.
- **The SERCOM workplan includes the decadal report 2011-2020** as one of the deliverables of the Standing Committee on Climate Services (Annex to Resolution 3 (SERCOM-1), abridged final report, WMO-No.1259.

In 2010, WMO started to work on multi-year State of the Climate reports, including 10-year and 5-year timescales. The multiyear time scale allows enough time to gather enough data for retrospective analysis for long term signals assessed on climate indicators and extreme events. At this timescale, there is also enough data for attribution studies that can cover evenly various regions. The first decadal report was published in 2013 (WMO-No.1103), covering the 2001-2010 decade. It was published and launched at the occasion of the first Intergovernmental Board of Climate Services (IBCS), held at the Palais des Nations, Geneva in July 2013. In addition, two 5-year reports have been since published, including Global Climate in 2011-2015, which was submitted at Earth Info Day of UNFCCC-COP 22 and the Global climate 2015-2019, released on 22 April 2020 at the occasion of 50th anniversary of Earth Day.

2001-2010 report

The first WMO Decadal Climate Report (2001-2010) was published in 2013 and very positively received. The report was very featured prominently across UN organizations, research institutions and other educational platforms such as:

- **Swiss Academy of Science** (SCNAT.ch)
- **UNITAR** (UNCCLEARN.org)
- **UN-Social Development Network of Latin America and the Caribbean** (dds.cepal.org)
- With access through **UNEP** and **WCRP** websites

“The value of the WMO's work is the way it transcends ordinary timescales. It is easy for climate-change deniers to point to a very warm year like 1998 and argue that since subsequent years were cooler, climate change is a myth.

A decade-by-decade approach, and a view that covers the century or more since accurate temperature measurements started, give a much clearer picture of the emerging situation.”

- **Paul Rogers**, Emeritus Professor of Peace Studies at Bradford University, UK.

WMO Decadal Report 2011-2020

HINDSIGHT & FORESIGHT FOR SUSTAINABLE DEVELOPMENT

The perspective of the past decade (2011-2020) provides an important window of time for retrospective analysis of the major climate indicators and their real and potential impacts on sustainable development. The 2011-2020 report will be the second of its kind, following the successful 2001-2010 report and will be a key deliverable for the UNFCCC Global Stock-take and the Standing Committee on Climate Services.

Proposed Structure

Foreword

Executive Summary

1. State of the Climate indicators
2. State of knowledge/conclusions on attribution of extreme events
3. Climate, socioeconomic impacts, and the SDGs
4. Featured article on reaching/exceeding 1.5°C



March 2022:

Call for contribution

June 2022:

Deadline for input

December 2022

First full draft

30 June 2023

Final draft

31 October 2023

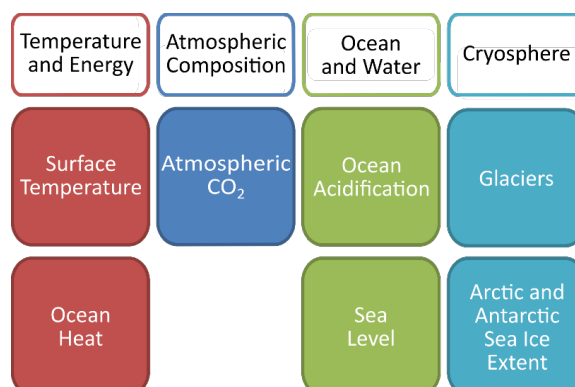
Published in 6
languages

*To be launched at
UNFCCC Global Stock-
take 2023*

State of the Climate Indicators- Data & Sources

Much like the annual State of the Climate reports, the Decadal Climate Report 2011-2020 will prominently feature [the seven-peer reviewed State of the Climate Indicators](#). To ensure the most robust and accurate data across all indicators, input comes from a variety of sources, including but not limited to:

- International climate centers
- National hydrological and meteorological services
- Research institutions & universities
- Scientific agencies
- WMO & UN programs



Country data collection

To collect vital information on long-term temperature and precipitation trends, the WMO Secretariat will collect decadal data from countries through a digital survey associated with the Country Profile Database. The survey will follow a similar structure from the first Decadal Climate report, collecting key information on:

1. National temperature and precipitation record values
2. Decadal national temperature anomalies and rankings
3. National temperature ranking by decade



WORLD
METEOROLOGICAL
ORGANIZATION

Decadal Climate Report 2011-2020

Daily Extremes Per Decade

Please fill out the following tables of daily extremes by decade. If data for is not available, please input "ND" or "No Data." Definitions for key terms are available at the end of the page.

4. 1961-1970

	Value	Date (YYYY/MM/DD)	Station name	Latitude	Longitude
Highest Maximum Temperature (°C)					
Lowest Minimum Temperature (°C)					
Maximum 24h rainfall (mm)					

10. Decadal Temperature

	Mean Temperature (°C)	Anomaly with respect to 1981-2020 (°C)	Ranking Warmest (1) - Coldest (12)
1901-1910			
1911-1920			
1921-1930			

Climate, Impacts & SDGs – Data & Sources

In 2021, the WMO published the brochure [*Climate Indicators and Sustainable Development: Demonstrating the Interconnections*](#) connecting the 7 state of the climate indicators through to the potential and theoretical impacts identified in academic literature and connected them to the risks they posed to the related Sustainable Development Goals (SDGs). Following this improved understanding of the interconnections between climate change and sustainable development, the WMO Decadal Report 2011-2020 will focus on quantifying these impacts through a three-step methodology.

Step 1: Determining 10-15 high impact extreme events

The WMO Secretariat, together with the lead author, will select 10 to 15 high-impact events that occurred over the past decade as case studies. The events will:

- Represent all WMO regions
- Be selected from previous WMO publications
- Feature diverse event types & impacts



Step 2: Gathering key impact statistics

To quantify the impact of the determined events, the WMO Secretariat will create a survey to send out to the affected countries/regions. The survey will be sent to:

1. NHMSs for key climate information & statistics
2. Designated focal point at national statistical office for impact data and SDGs

Step 3: Multi-stakeholder data & analysis

Finally, to analyze and complement the data received from the survey, the WMO Secretariat will liaise with partners potentially including:

- FAO
- CRED-EMDAT
- Munich-Re
- UNHCR / IOM
- IMF
- WHO
- RiskLayer GmbH

Please check all related impacts and provide statistics where available

☐	1 NO POVERTY	Rose poverty/affected livelihoods
☐	2 ZERO HUNGER	Worsened food insecurity/damaged crops
☐	3 GOOD HEALTH AND WELL-BEING	Contributed to health issues/spreading disease
☐	4 QUALITY EDUCATION	Disrupted educational activities
☐	6 CLEAN WATER AND SANITATION	Affected clean water availability
☐	7 AFFORDABLE AND CLEAN ENERGY	Damaged energy sources/access to electricity
☐	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	Destroyed or damaged infrastructure
☐	10 REDUCED INEQUALITIES	Perpetuated or worsened inequalities
☐	11 SUSTAINABLE CITIES AND COMMUNITIES	Led to displacement or migration
☐	14 LIFE BELOW WATER	Affected marine ecosystems and/or biodiversity
☐	15 LIFE ON LAND	Affected terrestrial ecosystems and/or biodiversity
☐	16 PEACE, JUSTICE AND STRONG INSTITUTIONS	Contributed to, perpetuated or worsened conflict