



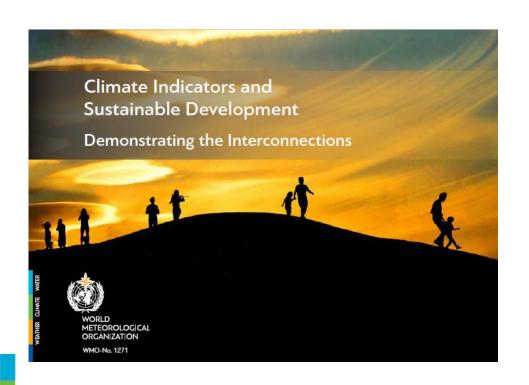
# The Sustainable Development Goals (SDGs)

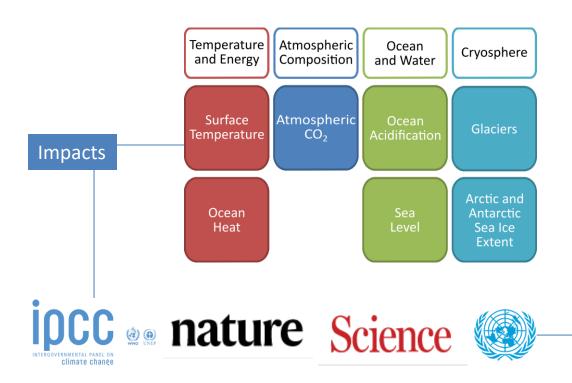
- Global set of 17 goals agreed upon in 2015 by 193 countries to be achieved by 2030
- Built on a framework that includes 231 unique indicators to quantify progress

"As the world moves further off track in meeting the 2030 SDG deadline, timely and high-quality data are more essential than ever. Indeed, data are being widely recognized as strategic assets in building back better and accelerating the implementation of the SDGs"



### 7 Indicators & the SDGs





Risks





## State of the Climate 2011-2020

- 2<sup>nd</sup> Decadal State of the Climate Report
- Focus on sustainable development

Published at UNFCCC Global Stock-take 2023.





How have extreme events occurring over the past decade (2011-2020) hindered national progress toward achieving the SDGs?



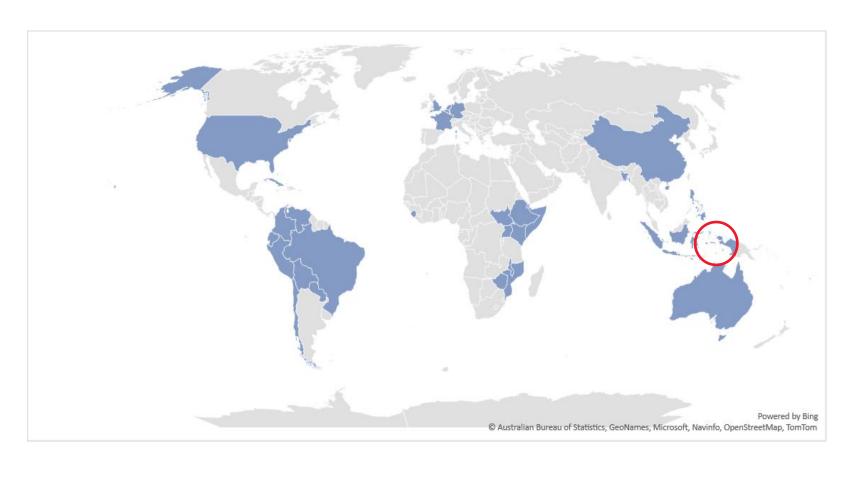
## Extreme Events 2011-2020

#### 15 Events

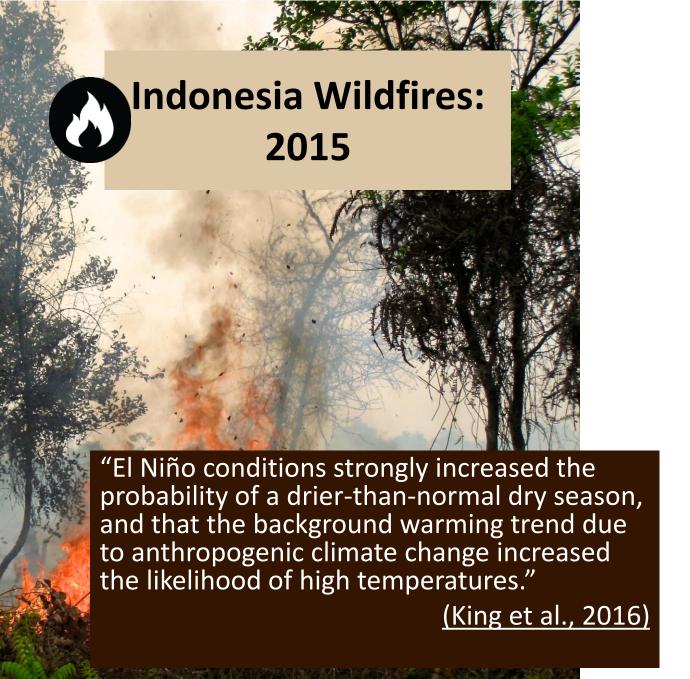
- 1 Cold wave
- 2 Droughts
- 2 Landslide/Mudslide
- 2 Floods
- 1 Heatwave
- 4 Tropical Cyclones
- 2 Wildfires
- 1 Locust Plague

Covering all 6 WMO regions

60% have published attribution studies









More than 100,000 premature <u>deaths</u>
Fires cost approximately 16 billion, 1.9% of <u>GDP</u>



Losses of USD ~800 million/year for following 3 years of estate crops (palm oil, rubber, and coconut)



More than 500k sought medical attention for respiratory illness



~4.7 million children stayed home from school.



2.6 million hectares of land burned; smoke <u>affected</u> biodiversity

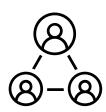


 $748 \pm 209 \text{ MtCO}_2 \underline{\text{estimated}}$  to have been released, peatlands accounted for 1/3 of area burnt

## **Data Collection**



Preliminary impact statistics collected by **UN Custodian Agencies** (e.g., FAO, UNDRR)



Multi-agency data analysis to quantify impact of climate change impacts on SDGS







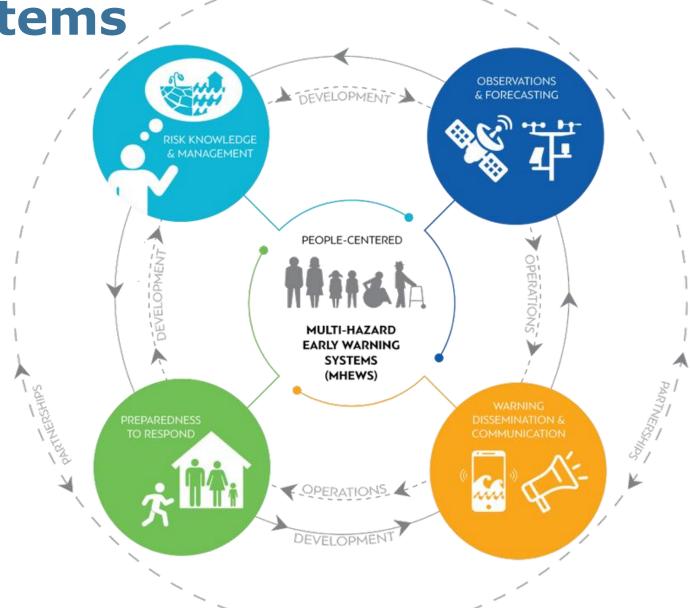
National data collection from National Statistics Offices through survey





**Early Warning Systems** 

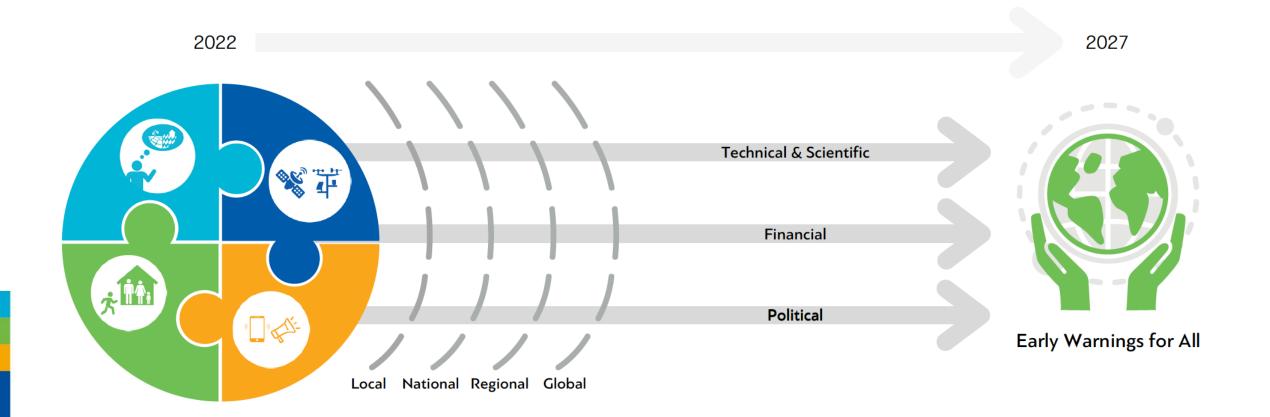
- EWS integrate hazard information with risk analysis to provide meaningful early warnings that enable action to minimize impacts
- Less than half of all countries have EWS
  - Coverage is particularly low in Africa, Least Developed Countries and Small Island Developing States





#### Initiative Architecture to deliver on the five year goal

WMO is developing with key partners transformation plans for each of the four components of the early warning value chain (see Figure 1), demonstrating the steps required to deliver on the five year goal, across the global, regional, national, and local level. These transformation plans will be developed according to the architecture shown below. The development of the plan is based on globally agreed guidance on MHEWS and will address the technical/scientific, financial, and political tracks required, for the hydro-meteorological, disaster risk and early action communities to work together to ensure every person on Earth is protected by early warnings within five years.





## Thank you.

If interested in following up, being a reviewer or with advice on methods, kindly contact cransom@wmo.int

