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# MappingSDGs

Disaggregated Geospatial Data to achieve the Sustainable **Development Goals** 

**Analyze** data to gain knowledge of the times

Visualize trends across regions to undestand our world

**Advocate** with maps to facilitate our goals



















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15 LIFE ON LAND





17 PARTNERSHIPS

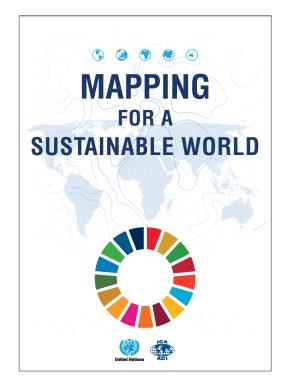


## MAPPING 17 SUSTAINABLE DEVELOPMENT GOALS

A Showcase of the Power of Geospatial Data & Cartography

Scan respective **QR codes** to look into the maps on each of the Sustainable Development Goals





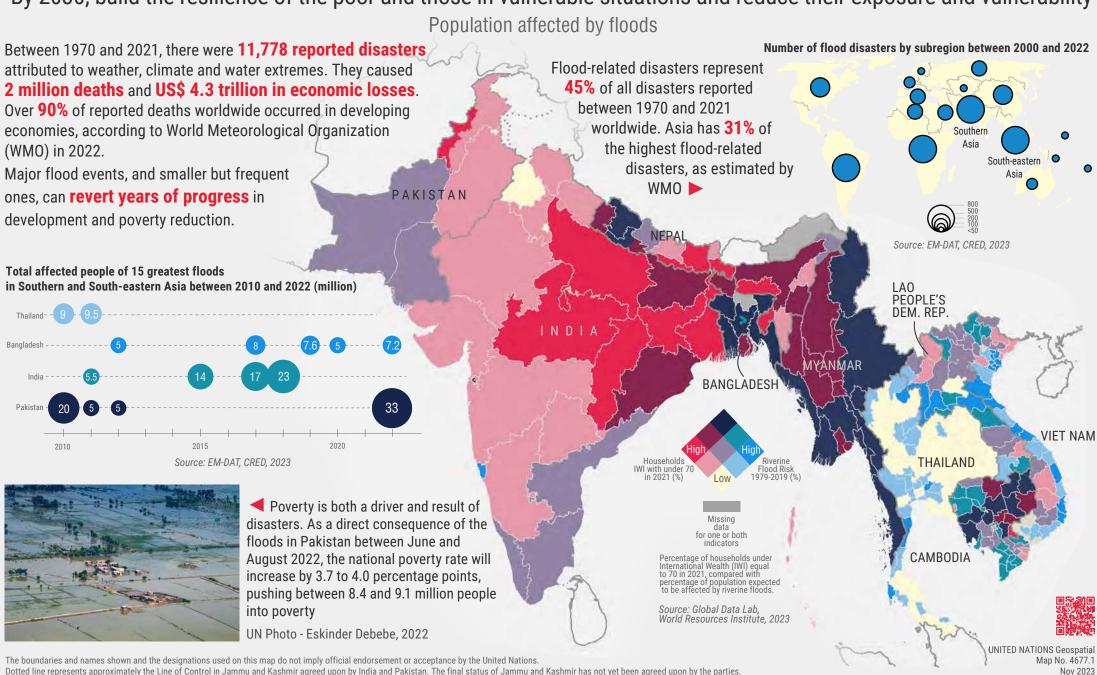
Create your own SDG map using our **our book online** on best practices and techniques in cartography



#### END POVERTY IN ALL ITS FORMS EVERYWHERE



By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability

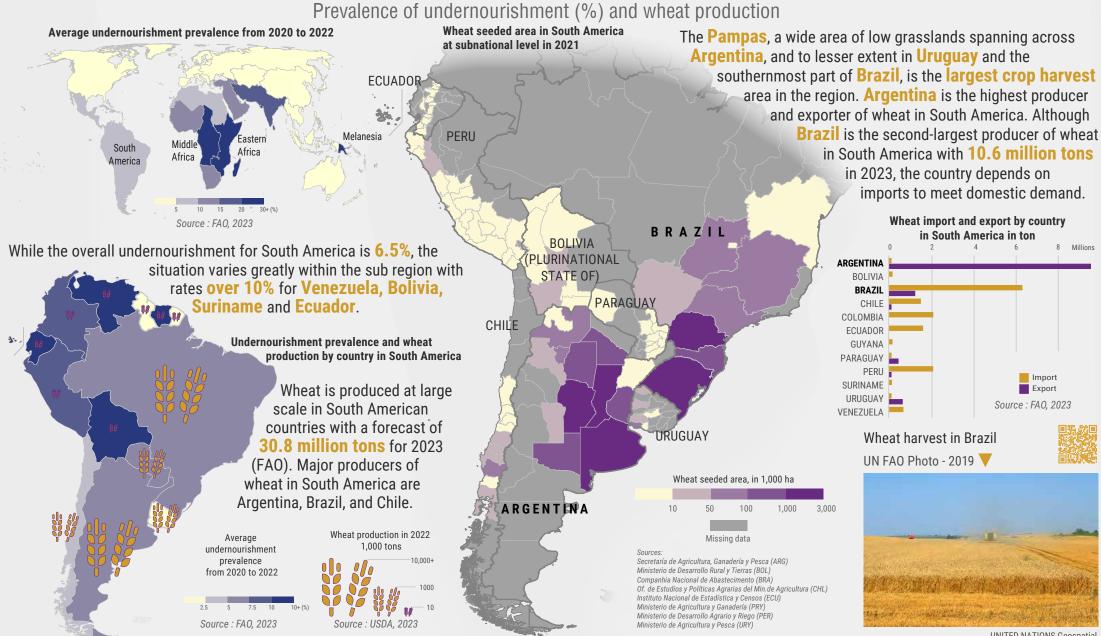




#### END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION



#### By 2030, end hunger and ensure access by all people



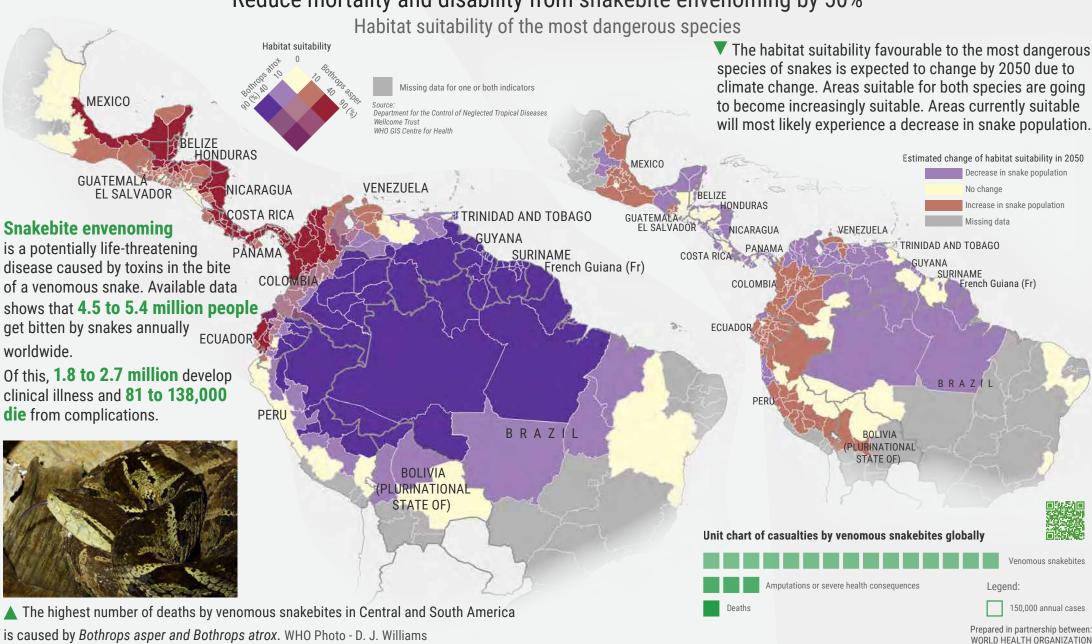


#### 🛴 ENSURE HEALTHY LIVES AND PROMOTE WELL-BEING FOR ALL AT ALL AGES 🕄



Nov 2023

#### Reduce mortality and disability from snakebite envenoming by 50%

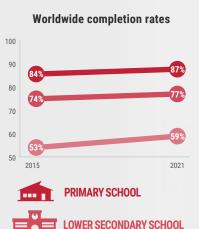


#### ENSURE INCLUSIVE AND EQUITABLE EDUCATION FOR ALL



#### By 2030, ensure that all girls and boys complete free, equitable and quality primary

Completion rate of primary education and gross attendance



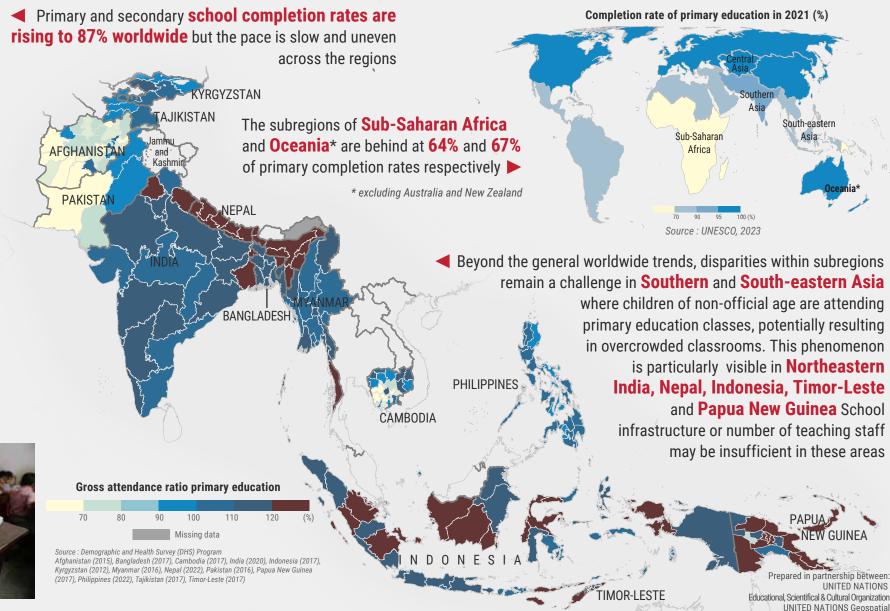
PER SECONDARY SCHOOL



A girl is studying in her class with other peers in a primary school in Mumbai, India V

UNICEF Photo - Bronstein, 2017





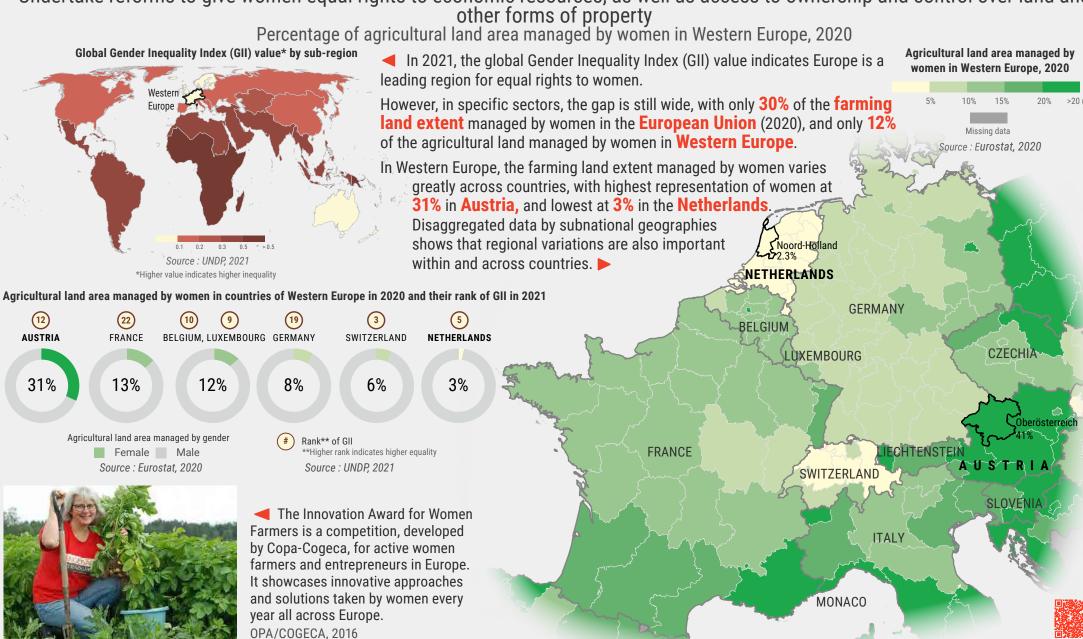
The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties.



#### ACHIEVE GENDER EQUALITY AND EMPOWER ALL WOMEN AND GIRLS



Undertake reforms to give women equal rights to economic resources, as well as access to ownership and control over land and



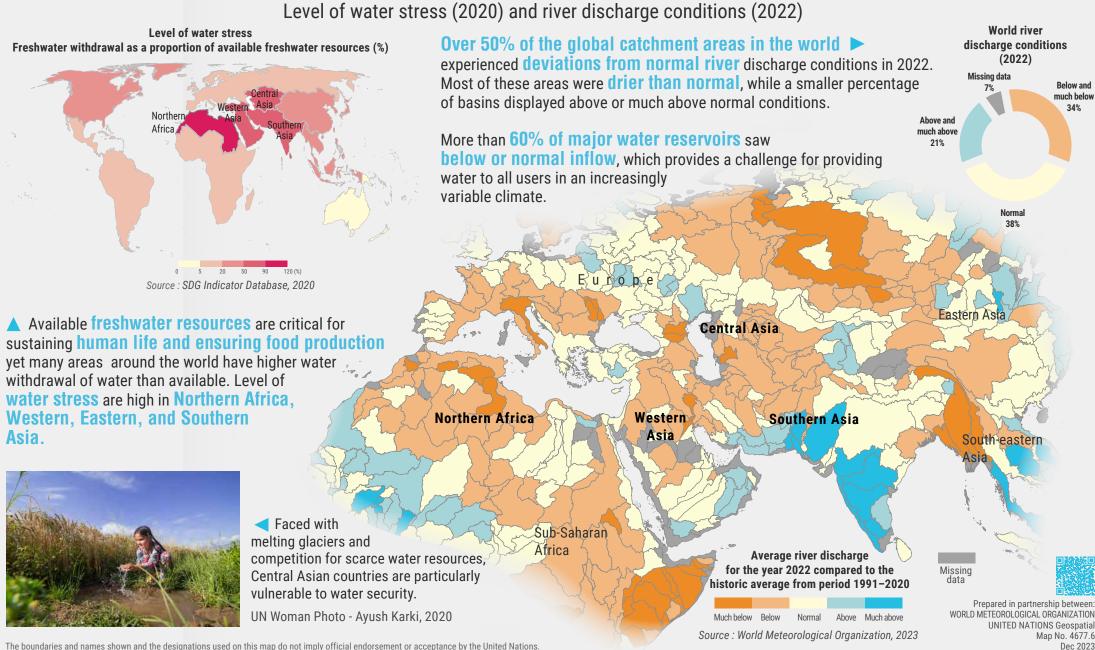
The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations A dispute exists between the Governments of Argentina and the United Kingdom of Great Britain and Northern Ireland concerning sovereignty over the Falkland Islands (Malvinas).



#### ENSURE ACCESS TO WATER AND SANITATION FOR ALL



By 2030, ensure availability and sustainable management of water and sanitation for all Level of water stress (2020) and river discharge conditions (2022)



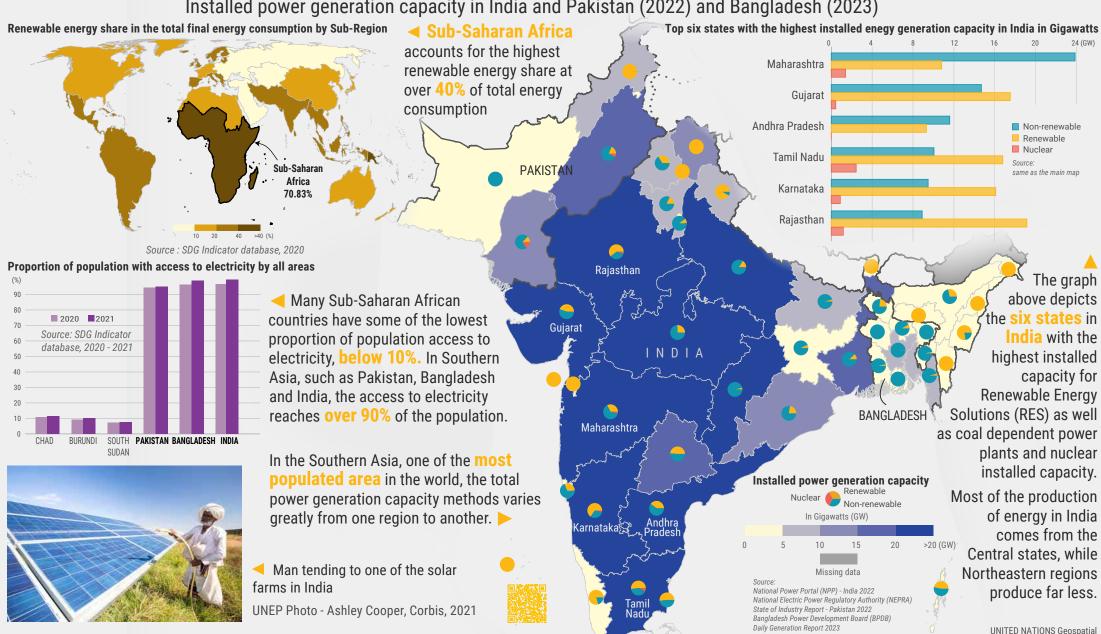


## ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY FOR ALL



#### By 2030, increase substantially the share of renewable energy in the global energy mix

Installed power generation capacity in India and Pakistan (2022) and Bangladesh (2023)



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Dec 2023



#### PROMOTE SUSTAINED, INCLUSIVE AND SUSTAINABLE ECONOMIC GROWTH FULL AND PRODUCTIVE EMPLOYMENT AND DECENT WORK FOR ALL



By 2030, substantially reduce the proportion of youth not in employment, education, or training Proportion of youth Not in Education, Employment, or Training (NEET)

#### 1 in 4 young people

are not in education. employment or training,



with young women more than twice as likely as young men to be in this situation

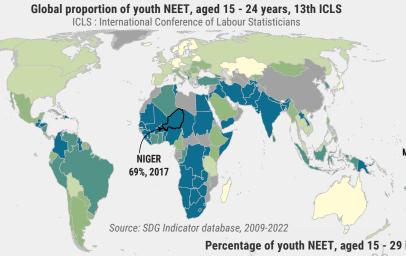
Youth Not in Education, Employment, or Training (NEET) is global concern. The NEET rate has been adopted as an indicator of progress towards SDG8.6.

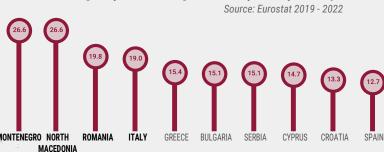
Worldwide **Sub-Saharan Africa** and ▶ West and Southern Asia are particularly affected by the youth population NEET, with values as high as 69% of youth population for Niger.

Reducing NEET rate is now a target for Europe as it aims to lower the youth NEET rate of 9% by 2030 for the population aged 15-29.

Unsplash Photo - Eliott Reyna







Percentage of youth NEET, aged 15 - 29 by country in Europe

▲ In Europe, countries with highest NEET rates for youth population are Montenegro, North Macedonia, Romania, and Italy.

Percentage of youth NEET, aged 15 - 29 in sub national level Source: Eurostat 2019 - 2022 As shown on the map of regions in **Europe** (regions based on the **CZECHIA** Nomenclature of SLOVAKIA **Territorial Units for** LIECHTENSTEIN . **Statistics**), some the **AUSTRIA** HUNGARY ROMANIA FRANCE SWITZERLAND SEOVENIA values of youth in NEET are found in BOSNIA AND SERBIA HERZEGOVINA SAN MARINO showing the great MONTENEGRO PORTUGAL **ANDORRA** ALBANIA

es and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties A dispute exists between the Governments of Argentina and the United Kingdom of Great Britain and Northern Ireland concerning sovereignty over the Falkland Islands (Malvinas).

**CYPRUS** 

highest regional

Southern Italy

amplitudes and

patterns within countries.

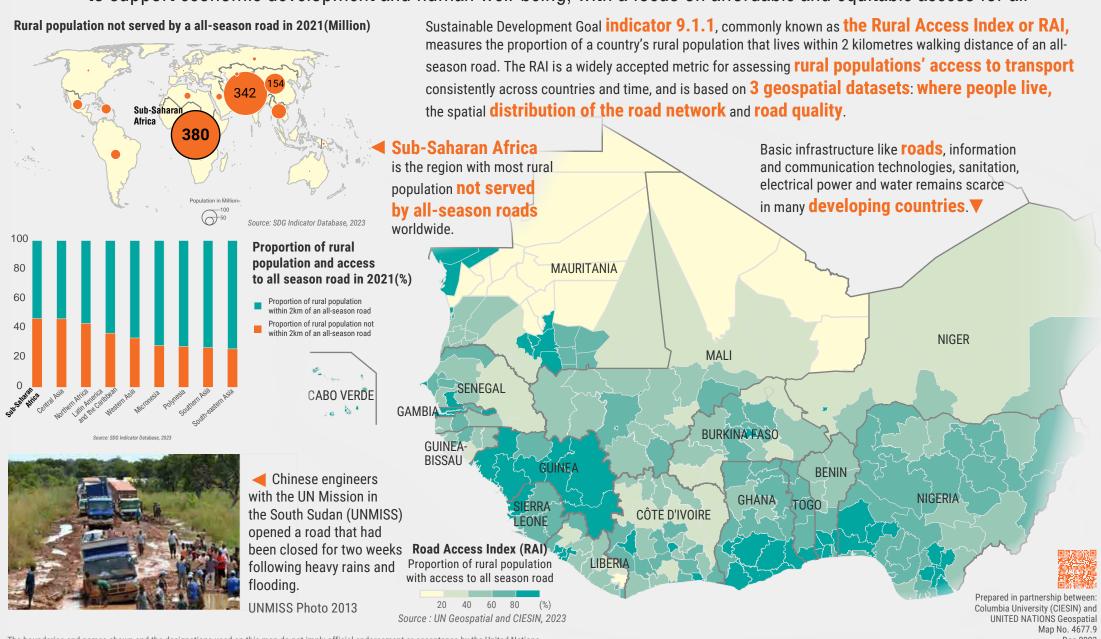
distribution



#### BUILD RESILIENT INFRASTRUCTURE, PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRIALIZATION & FOSTER INNOVATION



Develop quality, reliable, sustainable and resilient infrastructure, including regional and trans-border infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all





#### REDUCE INEQUALITY WITHIN AND AMONG COUNTRIES

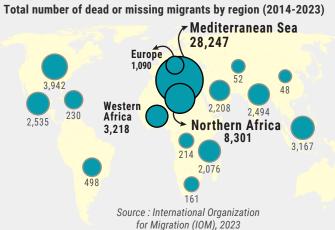


UN OFFICE ON DRUGS AND CRIME

Dec 2023

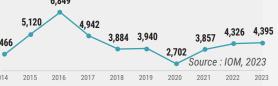
#### Facilitate orderly, safe, regular and responsible migration and mobility of people

Tracking reported numbers of people who have died or gone missing in the process of irregular migration, including in migrant smuggling



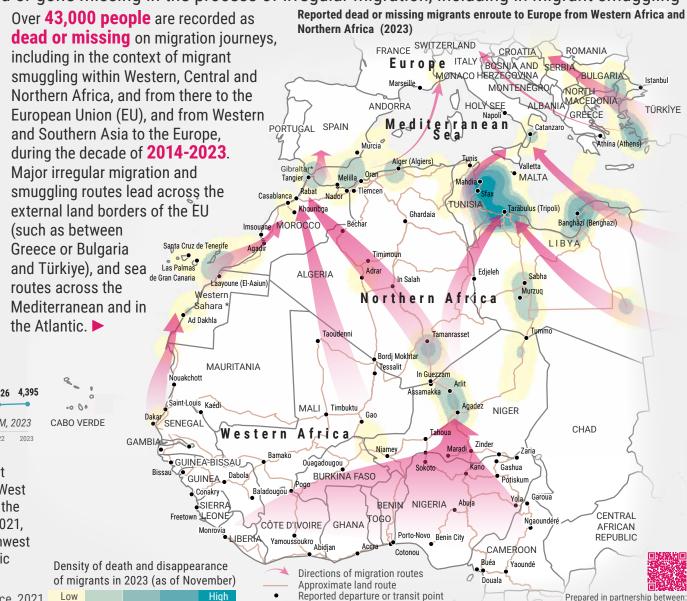
▲ Globally, nearly 60,000 deaths and disappearances of migrants have been recorded since 2014. Over 6,000 people have been recorded as dead or missing during 2023 alone. The majority of these deaths and disappearance occurred in or around the Mediterranean Sea, the Caribbean Sea, and Gulf of Mexico.

Total recorded number of dead or missing migrants enroute to Europe for regions of Mediterranean, Europe, Western Asia, Western Africa & Northern Africa (2014-2023)



 ■ A Moroccan patera boat carrying passengers from West and North Africa arrives at the Canary Islands (Spain) in 2021, after sailing from the Northwest African coast on the Atlantic Ocean.

Photo - Spanish National Police, 2021



Source: IOM, UNODC Observatory on Smuggling of Migrants, 2023



## MAKE CITIES AND HUMAN SETTLEMENTS FULL AND PRODUCTIVE EMPLOYMENT AND DECENT WORK FOR ALL



#### By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all

Proportion of population that has convenient access to public transport (%)



Source: SDG Indicator database, 2023

Based on data from 1,507 cities 126 countries

23.3%

The number of cities where 90% of the population has access to public

transportation is on the rise, which is particularly true for **Europe**.

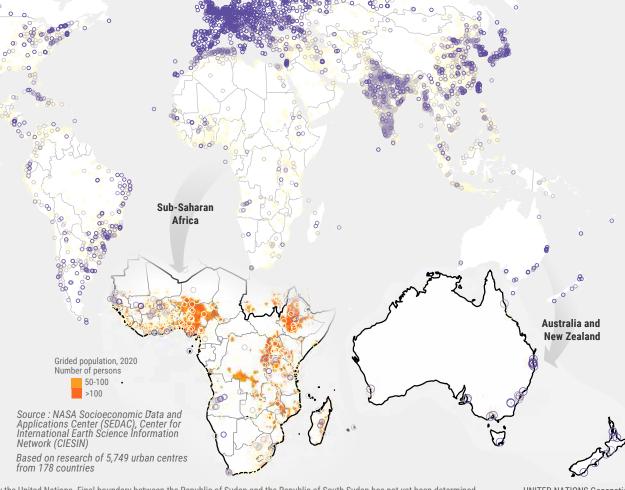
New Zealand

Secretary-General António Guterres (front) takes the tram in Vienna, Austria, together with Alexander Van der Bellen, Federal President of the Republic of Austria, during his visit to the city.

UN photo - Dean Calma, 2022



In Sub-Saharan Africa, some capital cities notably Abidjan, Bamako, and Addis Ababa, reach as high as 75% of population with access to public transportation. However, populated places with over 50 persons per 1 square kilometre prevail in the Sub-Saharan Africa region.

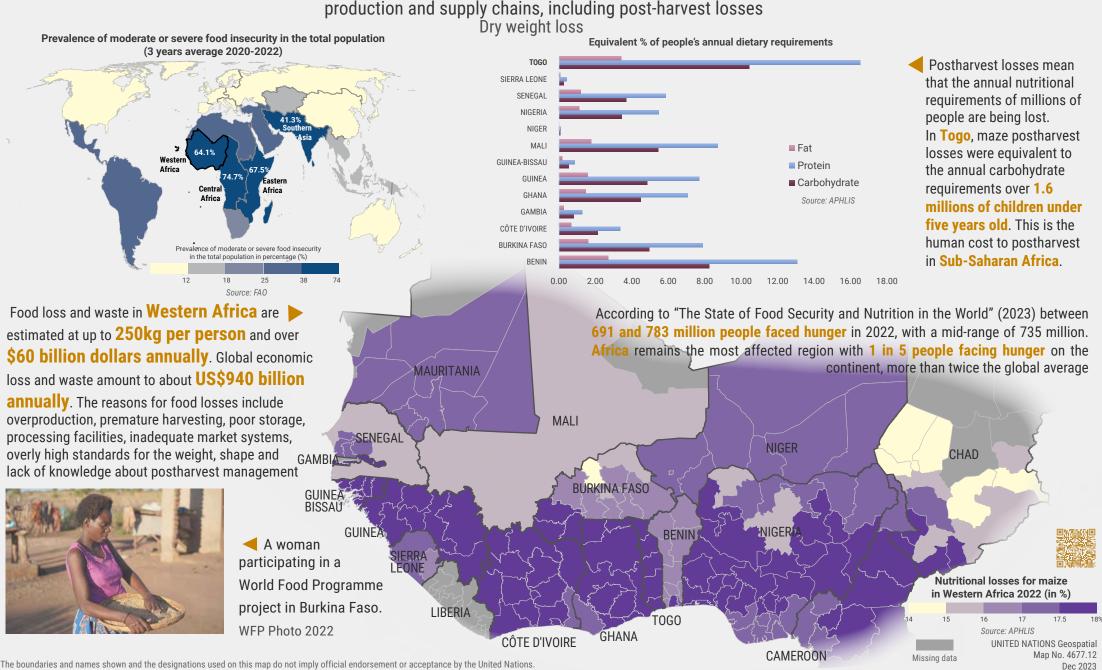




#### ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS



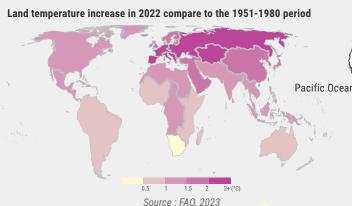
By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses



#### TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE



#### Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all Hurricane occurance and intensity in America



▲ According to NOAA's 2021 Annual Climate Report the combined land and ocean temperature has risen by an average of **0.08** °C per decade since 1880. The rate of warming since 1981 is more than twice as fast, reaching 0.18 °C per decade.

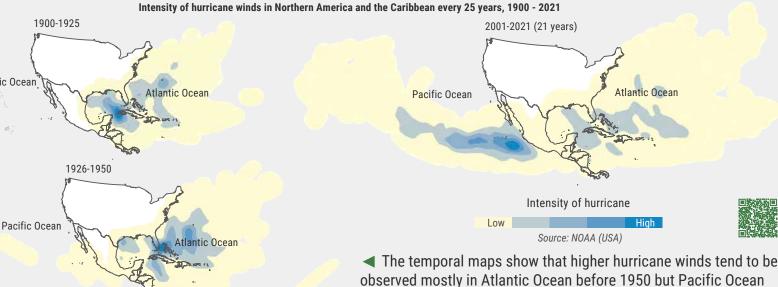
This change would imply an even larger percentage increase in the destructive potential per storm, with rapid intensification also projected to increase.



Flooded neighbourhood on Texas coast bv the Hurricane Harvey, USA.

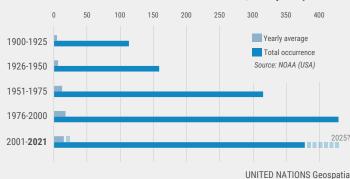
Texas National Guard, 2019

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- observed mostly in Atlantic Ocean before 1950 but Pacific Ocean or both oceans prevalently.
- ▼ A number of climate modelling studies project that **climate** warming will cause Atlantic hurricanes in the coming century to have higher rainfall rates and intensity on average by Recent Assessments of Tropical Cyclones and Climate Change of Geophysical Fluid Dynamics Laboratory (GFDL).





Atlantic Ocean

1976-2000

1951-1975

Pacific Ocean

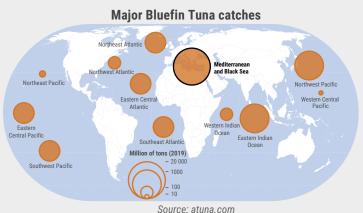
Pacific Ocean



#### CONSERVE AND SUSTAINABLY USE THE OCEANS, SEAS AND MARINE RESOURCES FOR SUSTAINABLE DEVELOPMENT



By 2030, effectively regulate harvesting and end overfishing, illegal, unreported, unregulated and destructive fishing practices and implement science-based management plans in order to restore fish stocks in the shortest time feasible



In 2006, experts predicted the extinction of the Bluefin Tuna in the Mediterranean Sea as they were pushed to the brink of extinction due to the amount of fishing that they endured in the Mediterranean Sea.

As a predator towards the top of the food chain, Bluefin Tuna are an essential part of the sea's ecosystem. Due to their massive amount of meat, weighting around 525 pounds, the Bluefin Tuna were one of the most targeted fish in the Mediterranean Sea.

More than 1/3 of globalfish stock

Prediction of global tuna market **PORTUGAL** ▲ The global tuna

Bluefin tuna harvest in the Eastern Mediterranean Sea by Türkiye V

FAO Photo - © Zaferkizilkay, 2019

are overfished



market is valued at USDS 42.3 Billion in 2022 and is projected to reach the value of USD\$ 53.6 **Billion by 2032** 

The Mediterranean Sea is the most overfished place in the world, fish populations have dropped dramatically over the past fifty years. Decades of rising demand, coupled with falling fish stocks due to increasing use of industrial techniques, poor catch monitoring, the spread of illegal, unregulated and unreported fishing and numerous environmental factors have all contributed to less seafood productivity.

Mediterranean Fishing Activity in 2023 and marine protected areas **BELARUS POLAND** RUSSIAN FEDERATION LUXEMBOURG CZECHIA UKRAINE SLOVAKIA LIECHTENSTEIN AUSTRIA HUNGARY MOLDOVA SWITZERLAND ROMANIA Black Sea ANDORRA **BULGARIA** MONTENEGRO GEORGIA ALBANIA NORTH MACEDONIA TÜRKİYE Mediterranean ARAB REPUBLIC ALGERIA CYPRUS LEBANON MOROCCO TUNISIA **IRAO** Marine protected areas JORDAN Apparent fishing ellort (Dec 2022-Dec 2023) LIBYA 435 000m tonnes of live weight Source: Global Fishing Watch and Water Resources Institute, 2023 total tuna catches in the European Union (ec.europa.eu/eurostat, 2017) **OTHER EU COUNTRIES** 

**FRANCE** 



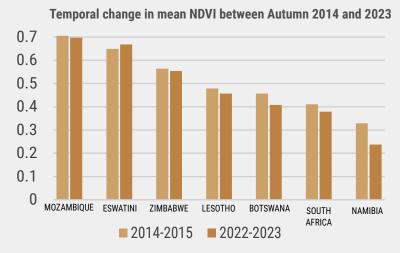
### PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION, AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSS



Progress towards sustainable use of ecosystems, forests and combat desertification

Normalized Density Vegetation Index (NDVI) enables to detect changes in vegetation cover such as canopy cover, leaf area index, and biomass

NAMIBIA



In Southern Africa, during the rainfall season of 2022-23, the western part of the region, including Namibia and Botswana, had poor rainfall with extended dry periods resulting in dry vegetation, while the eastern part experienced above average rainfall.

Percentage temporal change of NDVI between Autumn 2014 and 2023

ason of part of Namibia

poor dry
ry vegetan part
verage

Satellite-derived vegetation using NDVI mean values for the period (Autumn 2023)

BOTSWANA

SOUTH

**AFRICA** 

▲ Land degradation in Southern Africa has been driven by multiple natural and human-induced processes including soil erosion, unsustainable agricultural practices, tree harvesting for charcoal production, contamination, pollution and biodiversity loss. The effects of land degradation are negatively impacting the livelihoods of a significant proportion of the region's population that relies on subsistence agriculture. Insecure land tenure systems, combined with pervasive poverty and low literacy levels among rural population, complicate land management processes and place the most vulnerable at increased risk.



✓ In Namibia, the Agriculture, Forest and Other Land Use are responsible for over 79% of the total greenhouse emissions of the country. From 2001 to 2022, Namibia lost 1.23 kha of tree cover, equivalent to a 32% decrease in tree cover since 2000, and 281 kt of CO₂ emissions. Global Forest Watch

UNITED NATIONS Geospatia Map No. 4677.15

Measurement of the mean NDVI calculated from all available NDVI data from 2023

for given months (March, April, May)

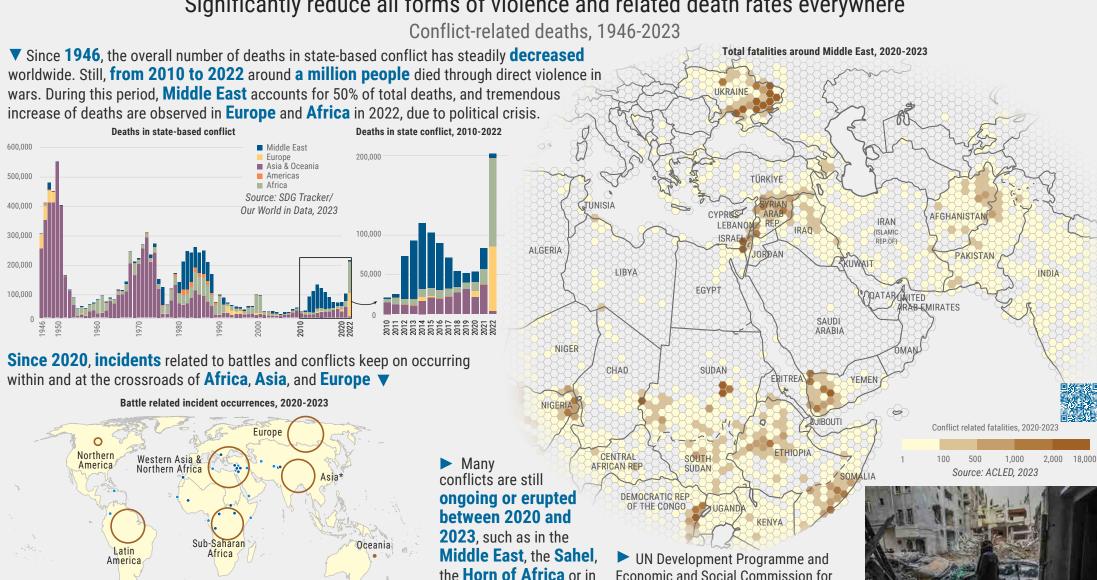
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#### PROMOTE PEACEFUL AND INCLUSIVE SOCIETIES FOR SUTAINTABLE DEVELOPMENT, PROVIDE ACCESS TO JUSTICE FOR ALL AND BUILD EFFECTIVE, ACCOUNTABLE AND INCLUSIVE INSTITUTIONS AT ALL LEVELS



#### Significantly reduce all forms of violence and related death rates everywhere



countries such as **Israe**l.

Lebanon, Sudan, or

Ukraine.

Western Asia warn that up to 16 years of

human development could be wiped out

UNDP Photo-PAPP/Abed Zagout, 2023

Source: ACLED, 2023

United Nations Peace Operations



## STRENGTHEN THE MEANS OF IMPLEMENTATION AND REVITALIZE THE GLOBAL PARTNESHIP FOR SUSTAINABLE DEVELOPMENT



#### By 2030, build on existing initiatives to develop measurements of progress on sustainable development in developing countries

Total official development assistance (gross disbursement) for technical cooperation

▲ General Assembly meets on new partnership for Africa's development

UN Photo- Loey Felipe, 2023

Public expenditure on net interest, education, health and investment as a share of Gross Domestic Product (GDP) in percentage (2019-2021)

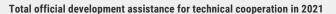
Source: UNCTAD, IMF

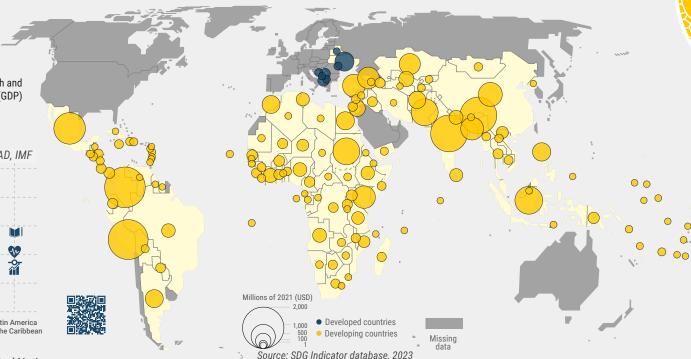
■ United Nations
development projects are
helping countries such as Cabo
Verde to transform agricultural
practices to produce more
sustainable products.

UN Photo-Mark Garten, 2023

"We need the private sector, civil society, women, youth, scientists, academics, philanthropic foundations — all stakeholders across all fields and disciplines — to come forward, to lend their voices, and their hands, to ensure a transformative process that delivers both for people and planet."

H.E. Mr. Dennis Francis, 78th President of the General Assembly, 2023





Increasing the availability of high-quality, timely and reliable **data disaggregated** by income, gender, race, ethnicity, migration, disability, **geographic location** and other characteristics relevant in national contexts is key to **leave no one behind** and bring the world closer together and improve the **global partnership** [§ 17.18, 48, 74(g), 76, and 83, A/RES/70/1]

Public debt by country in 2022 (USD billion)

United States of America

Japan
1 1051

Frence

- Developing countries
   Developed countries
  - Source: UNCTAD, IMF
- ▲ The public debt by country reached a record of USD 92 trillion. Developing countries owe almost 30% of the total debts, and 70% attributes to selected countries.
- ▼ A woman recently impacted by conflict delivering a testimony during a pledging event on the United Nations Central Emergency Response Fund (CERF) for 2024 UN Photo-Mark Garten, 2023

