



THE CLIMATE CONVOCATION

For CSE-GSP's climate change course participants

September 28-30, 2022

Anil Agarwal Environment Training Institute (AAETI), Nimli, Rajasthan

THE 13TH GOAL – CLIMATE CHANGE AND SDGS THROUGH NUMBERS

- What are SDGs and how they all have linkages to the SDG 13
- Why should we care
- How to bring a global agenda to our classrooms



What are the SDGs

SDG 3: Good health and well-being

SDG 11: Sustainable cities

SDG 6: Clean water

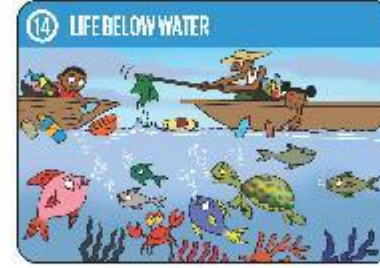
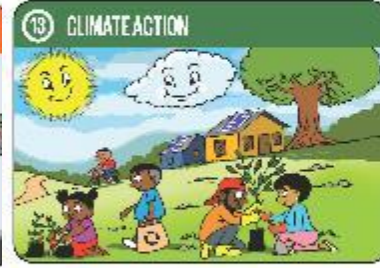
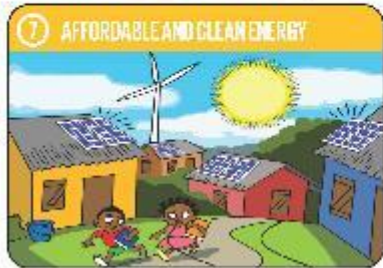
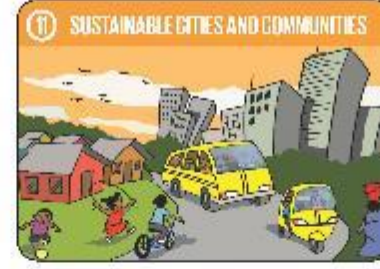
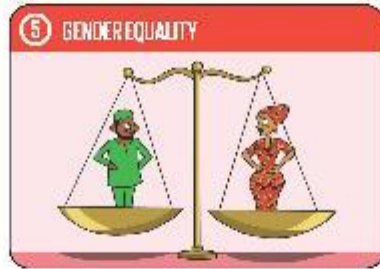
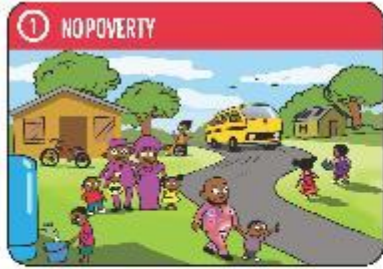
SDG 5: Gender equality



What are the SDGs

- They are the **blueprint to a just and sustainable world**.
- Sustainable Development is defined as “development that **meets the needs of the present without compromising the ability of future generations** to meet their own needs”.
- The SDGs, also known as the Global Goals, are a set of 17 detailed, highly ambitious goals that were **adopted by all UN member countries in 2015**, serving as a united call to action against complex socioeconomical and environmental problems by 2030, such as poverty, climate change and gender discrimination.
- The SDGs are also **integrated**, meaning that they take into account that actions of one country or region will have positive or negative effects on other regions.

What are the SDGs



What are the SDGs

[illegible]

You find all data on [SDG-Tracker.org](https://sdg-tracker.org), a sister project of [OurWorldinData.org](https://ourworldindata.org). In case you are aware of relevant data we have not included yet please let us know via [SDG-Tracker.org](https://sdg-tracker.org).

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For the complete list:

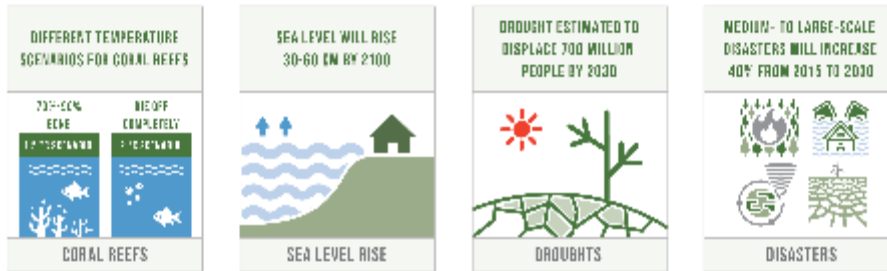
[https://unstats.un.org/sdgs/indicators/Global%20Indicator%20Framework%20after%20refinement Eng.pdf](https://unstats.un.org/sdgs/indicators/Global%20Indicator%20Framework%20after%20refinement%20Eng.pdf)

TAKE URGENT ACTION TO COMBAT
CLIMATE CHANGE AND ITS IMPACTS

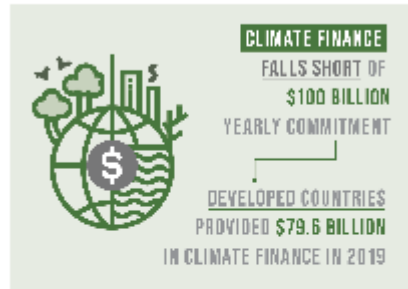
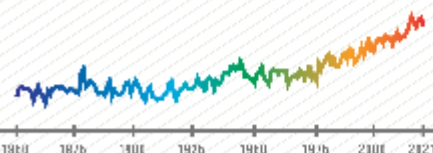
CLIMATE CHANGE

IS HUMANITY'S "CODE RED" WARNING

OUR WINDOW TO AVOID CLIMATE CATASTROPHE IS CLOSING RAPIDLY

ENERGY-RELATED
CO₂ EMISSIONS
INCREASED

6% IN 2021

REACHING HIGHEST
LEVEL EVERRISING GLOBAL TEMPERATURES
CONTINUE UNABATED, LEADING
TO MORE EXTREME WEATHER

SDG 13

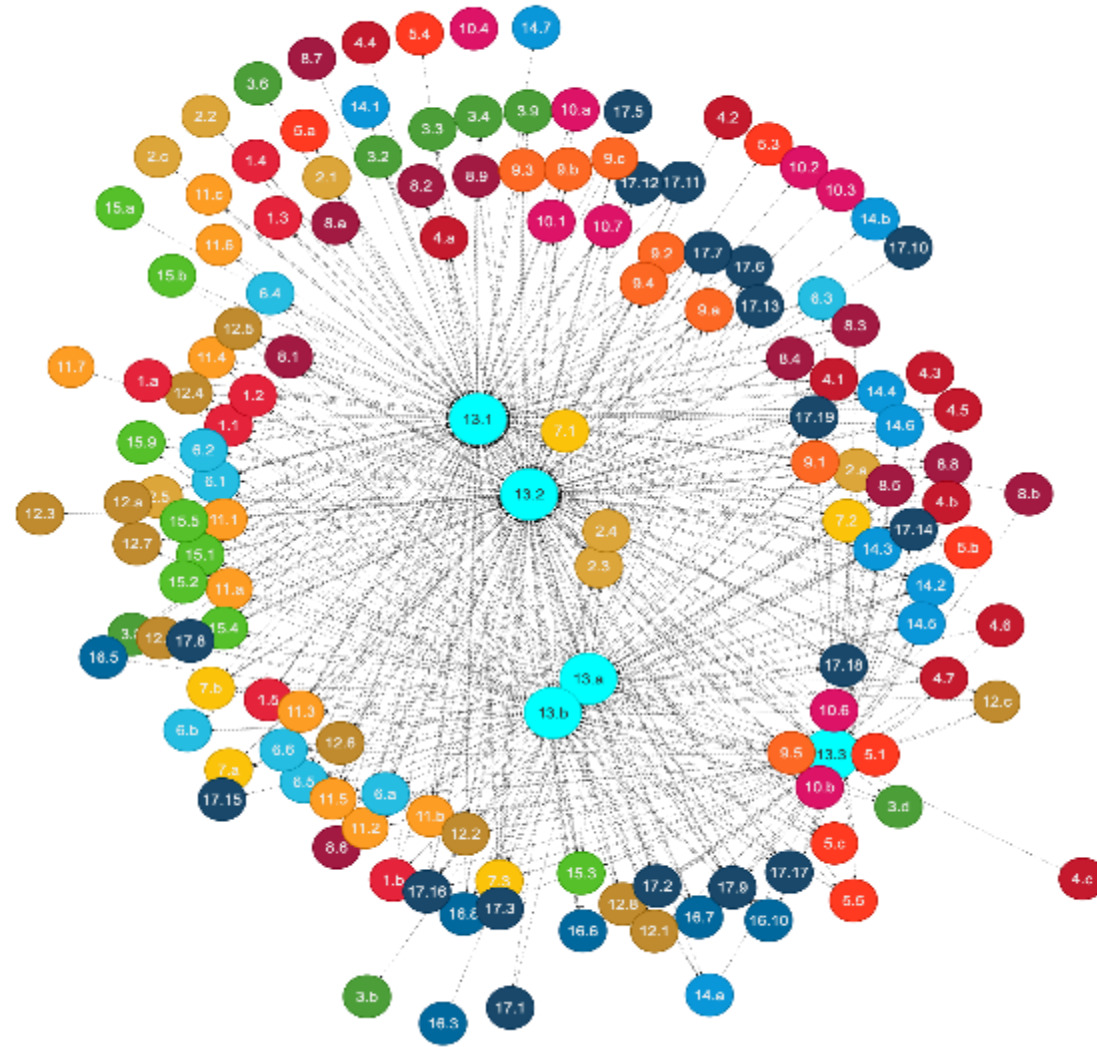
Difficult to measure

- Not easily tangible and quantifiable
- All talks, yet little headway
- Widespread impact
- Invisible in everyday routine

Easy to act

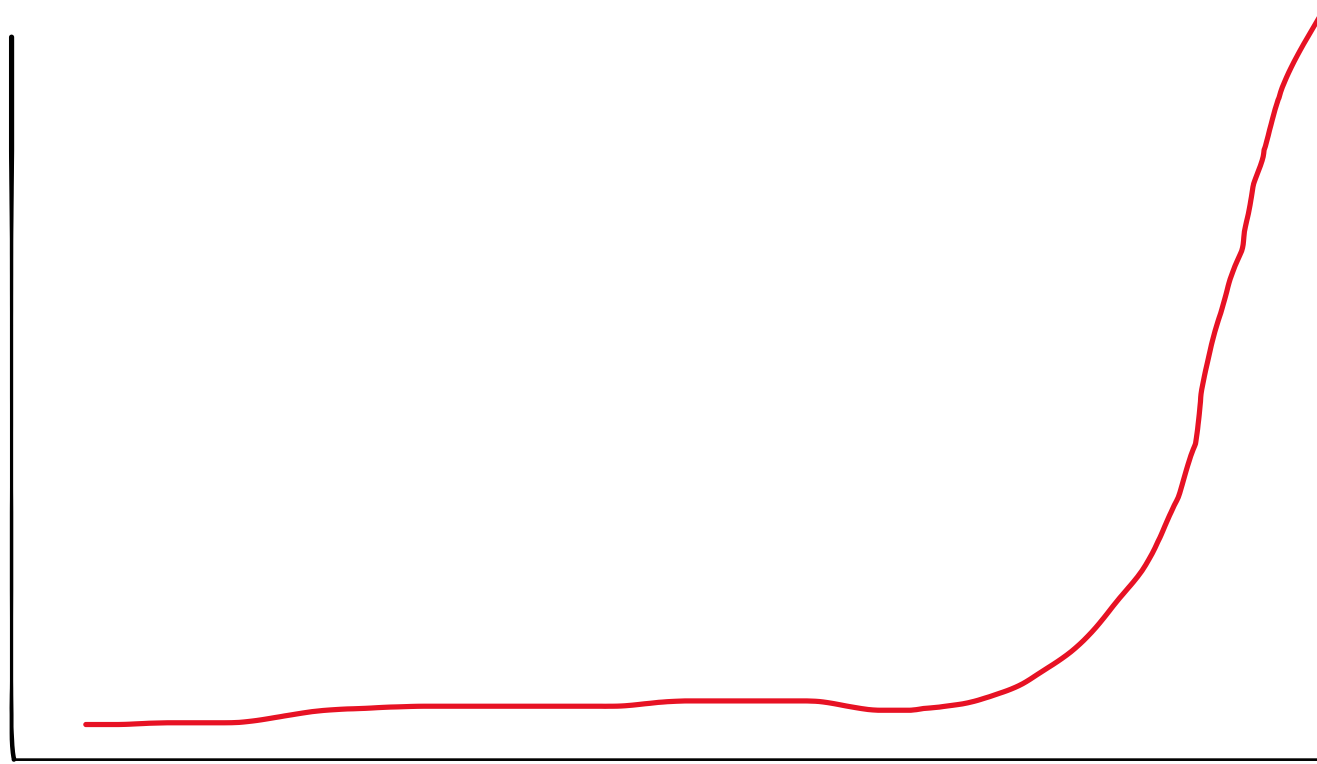
- Steps can be brought in at individual level
- Closely knit to our lifestyle
- Solutions already available

SDG 13: Invisible, yet omnipresent



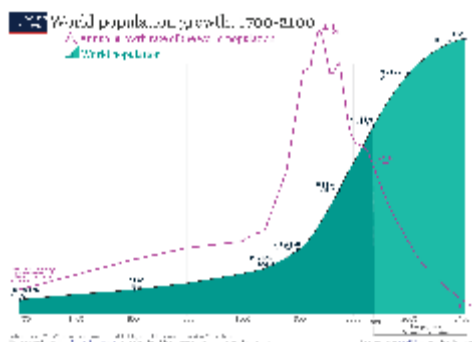
<https://sdginterlinkages.iges.jp/visualisationtool.html>

Why should we care

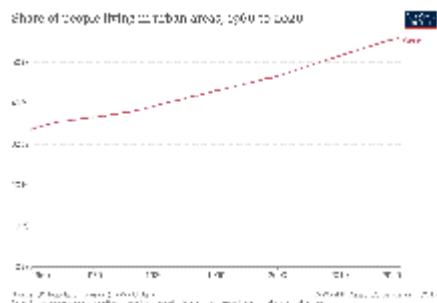


Why should we care

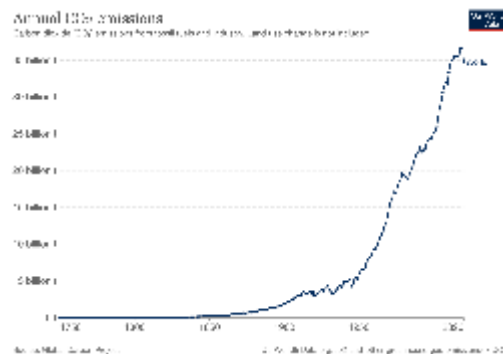
Progress indicators



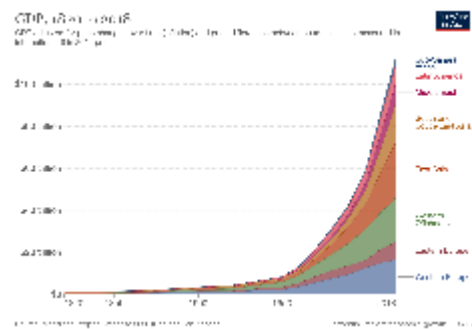
Population



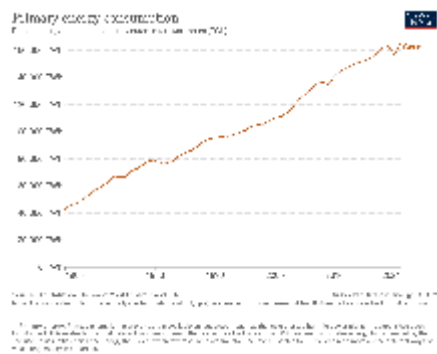
Urbanisation



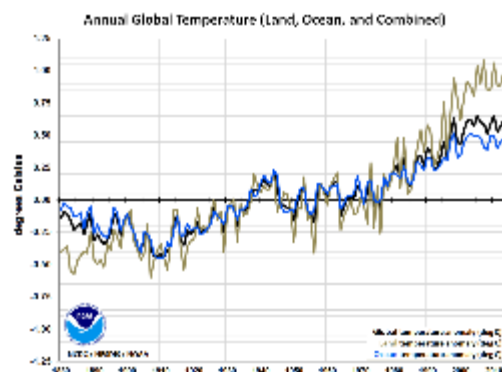
CO2 emissions



GDP



Energy consumption



Temperature rise

And their impact on the climate

The transition to agriculture shifted human pressure on wild mammals from hunting to habitat loss

As global agricultural land use increased...

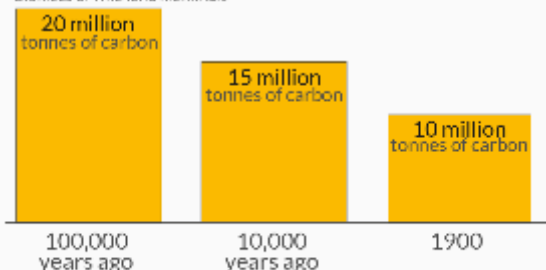
Agriculture and livestock reduced direct hunting pressure on wild mammals, but resulted in habitat loss through the expansion of agricultural land.

Before the agricultural revolution the per capita impact on wild mammals was very high due to hunting



... wild mammal populations declined.

Biomass of wild land mammals



Note: Biomass of wild land mammals is based on the biomass of wild land mammals in 1900. Biomass of wild land mammals in 1900 is based on the biomass of wild land mammals in 1900. Biomass of wild land mammals in 1900 is based on the biomass of wild land mammals in 1900.

Wild population

How to bring a global agenda to our classrooms

We have a **climate neutral** attitude,
we need to change it to **climate positive**

Help me to do it myself: Maria Montessori

Include the SDGs and what they signify in the value system of the child

Make students realise that everything we possess has an energy history

How to bring a global agenda to our classrooms

Revisit the climate vocabulary

- Change the neutral words
 - climate change to climate crisis
 - Global warming to global heating
- Include new words
 - climate justice, carbon footprint, GHGs and many more

How to bring a global agenda to our classrooms

Lead with activities

Activity 1: Everything we buy has an energy history

Example: Ring

Steps involved: Mining, jeweller, store, consumer

Equipment used: Mining, making the jewellery, packing and all

Energy consumed at each level

How to bring a global agenda to our classrooms

Lead with activities

Activity 2: **Renewable or Not**

Students often do not know which resources are renewable and which are non-renewable, or which are recyclable or reusable. In this activity, students will learn what these terms mean and discover why sustainable use of natural resources is so important.

Activity 3: **A Peek at Packaging**

Nearly everything we buy comes in some sort of package. Packaging, made from a variety of renewable and non-renewable resources, is necessary to protect an item, keep it fresh, make it tamper-proof, and make the item easy to transport and store. In this activity, students will examine the pros and cons of different packaging strategies.

Here are more ideas to incorporate reducing, reusing, and recycling:

- Explore how to reduce single-use plastics to protect the environment.
- Up-cycle classroom scraps to create models, artwork, and projects.
- Engage your class in a Waste and recycling investigation to determine how much waste their school generates and where it goes

How to bring a global agenda to our classrooms

Lead with activities

Save Energy

Activity 4 – **Energy Sleuths**

There are different sources of energy. Some are renewable; some are non-renewable. In this activity, your students will learn about the different sources, advantages, and disadvantages to their use, and how energy is used in their daily lives.

Activity 5 – **Waste Watchers**

Energy seems easy to use, but obtaining it is often not easy on the environment. When we reduce the amount of energy we use, we decrease the pollution that results from producing that energy. In this activity, your students conduct an audit of the energy they use in their own homes and create an action plan to reduce energy use. Teaching your students about energy does not need to be complicated. It can be as easy as modeling ways to use resources wisely:

- Replace traditional light bulbs with energy-efficient LEDs.
- Help students understand how the choices they make have an impact on the planet using an online “[carbon calculator](#).”

How to bring a global agenda to our classrooms

Lead with activities

Inspire Sustainable Attitudes

Activity 6 – **Viewpoints on the Line**

This activity is designed to get students thinking about their own views while also listening to those of their classmates. It helps students explore the underlying assumptions that shape our opinions.

Activity 7 – **A Look at Lifestyles**

By examining the historical attitudes of the adults when they were growing up and the attitudes of children.

Eg: we did not get milk in packets when we were growing up; now it is the norm

Source: Project Learning Tree

How to bring a global agenda to our classrooms

Submission Timeline

Application Open : 5th June, 2022, 12:01 AM IST

Application Close : 31st December, 2022, 11:59 PM IST

Awards : Authors of the top 5 ideas will each be awarded with:

 Ambassador for LIFE Award at COP 27, hosted by UNFCCC	 USD 25,000, to test and pilot their idea(s) in India	 Opportunity to present in person at the Global LIFE Conference in India	 End-to-end Implementation support from NITI Aayog and MoEFCC to scale ideas
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Contact : life-niti@gov.in

Disclaimer : The award(s) given to the eligible winners are not transferable, redeemable for cash or exchangeable for any other award. If the award cannot be given for any reason, organizing team reserves the right to substitute that award with another award in its sole discretion.

Apply Here : www.niti.gov.in/life



For more details or call for ideas, scan QR code



Thank You