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THE WICKEDNESS OF ENVIRONMENTAL CRISIS

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Expected Outcomes



At the Completion of the Presentation we are expected:

- To have a Clear Notion of the Weakness of the Environmental Crisis
- To develop a desire to be a Key Players in the Initiatives that aim at Combating the Environmental Crisis
- To Develop Discussion Questions Related to Issues Associated with The Care for Environment

The Wickedness of «Environmental Problems»

Simple Problems have Clear Problem Statements and can be tackled by Necessary Skills in the Domain.

Wicked Problems have an Unclear Problem Statement, hence, they do not allow for Creative Thinking

Complex Problems have a Clear Problem Statement that Needs the Collaboration and Engagement of various Stakeholders to tackle it.

Environmental Crisis is an Archetype of the Wicked Problems

The wickedness of Environmental Crisis

Environment is a Complex Physical, Chemical, and Biotic factor that Acts upon an Organism or an Ecological Community and Ultimately **Determines its Form and Survival.**

It involves Everything and Concerns us all and All Aspects of Our Lives and Livelihoods



The Wickedness of «Environmental Problems»



Everything is Involved and Concerns our Living and Livelihoods

The Magnitude of Environmental Wickedness

The world is warming at a faster rate than at any point in recorded history. Climate change undermines health determinants and increases pressures on health systems, thereby threatening to reverse decades of progress to promote human health and well-being, particularly in the most vulnerable communities.

The Intergovernmental Panel on Climate Change (IPCC) concludes, with very high confidence, that future health risks of injury, disease, and death will increase due to more intense and frequent temperature extremes, cyclones, storms, floods, droughts, and wildfires.

The Magnitude of Environmental Wickedness



- It is anticipated that over 50% of the excess mortality resulting from climate change by the year 2050 will occur in Africa (*The World Meteorological Report, 2023*)

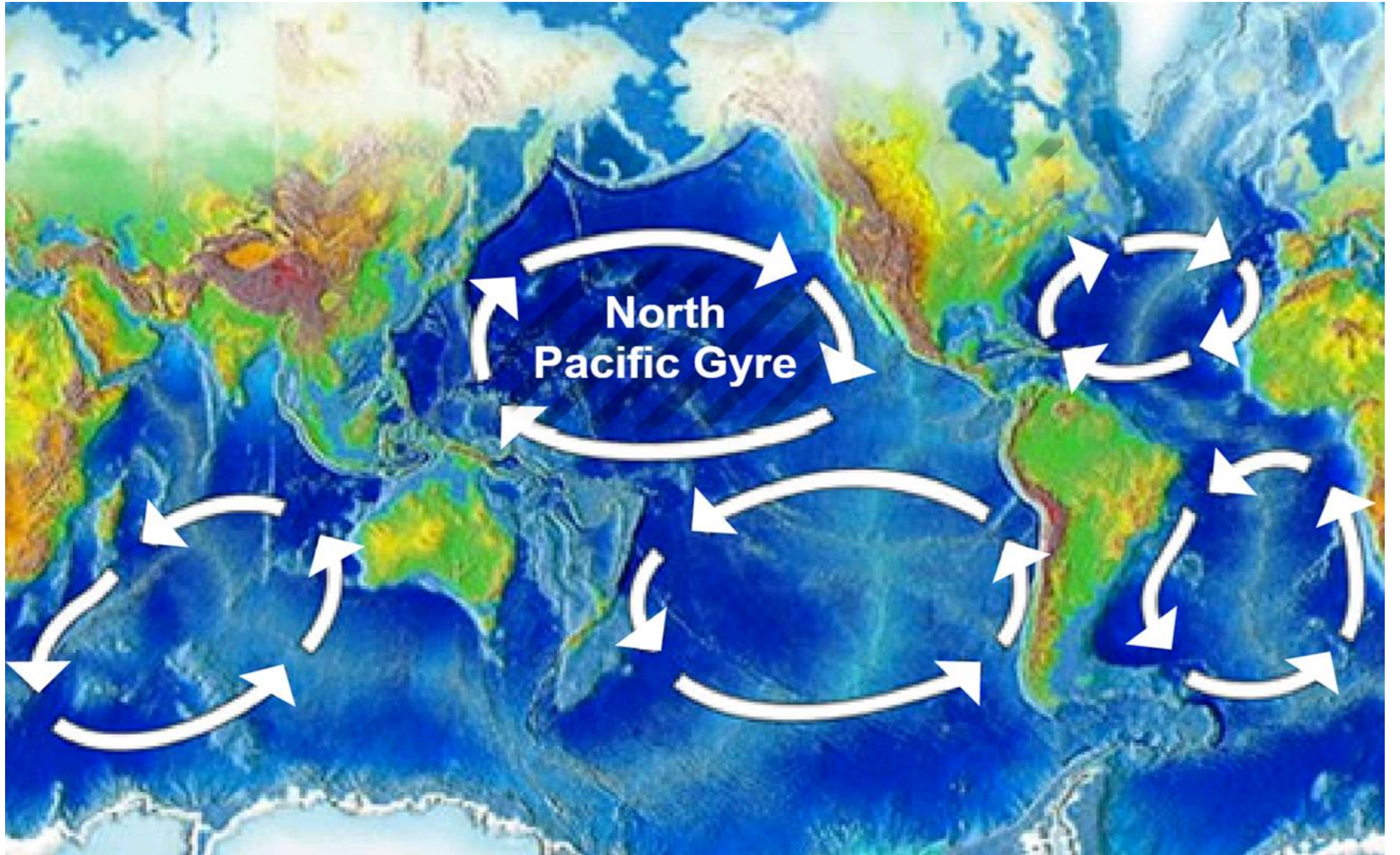
Associated Factors to Environmental Crisis



- The Group of 20 (Argentina, Australia, Brazil, Canada, China, France, Germany, India, Indonesia, Italy, Japan, Republic of Korea, Mexico, Russia, Saudi Arabia, South Africa, Turkey, the United Kingdom, the United States, and the European Union) are responsible for about 75 percent of global greenhouse gas emissions.

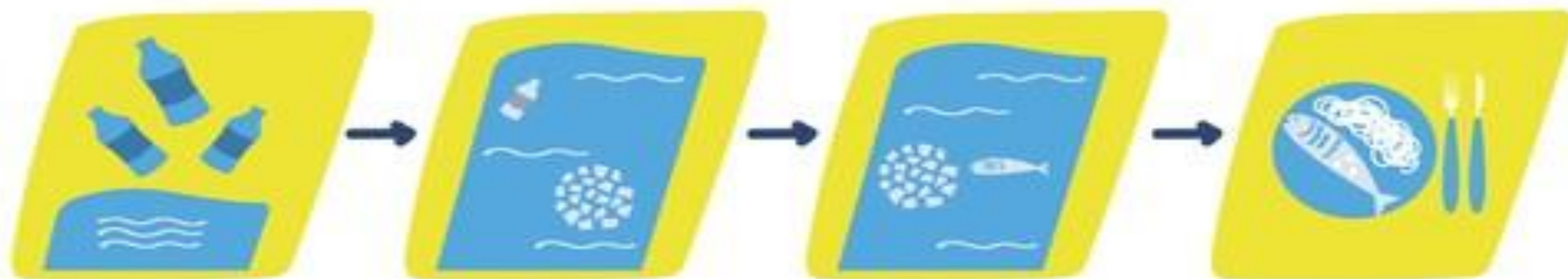
(Source: UNEP Emissions Gap Report 2022)







MICROPLASTIC LIFE CYCLE



Plastic falls
into the ocean

In the ocean,
plastic breaks
into tiny pieces

Microplastic enters
the body of the fish

Microplastic enters
your body with fish

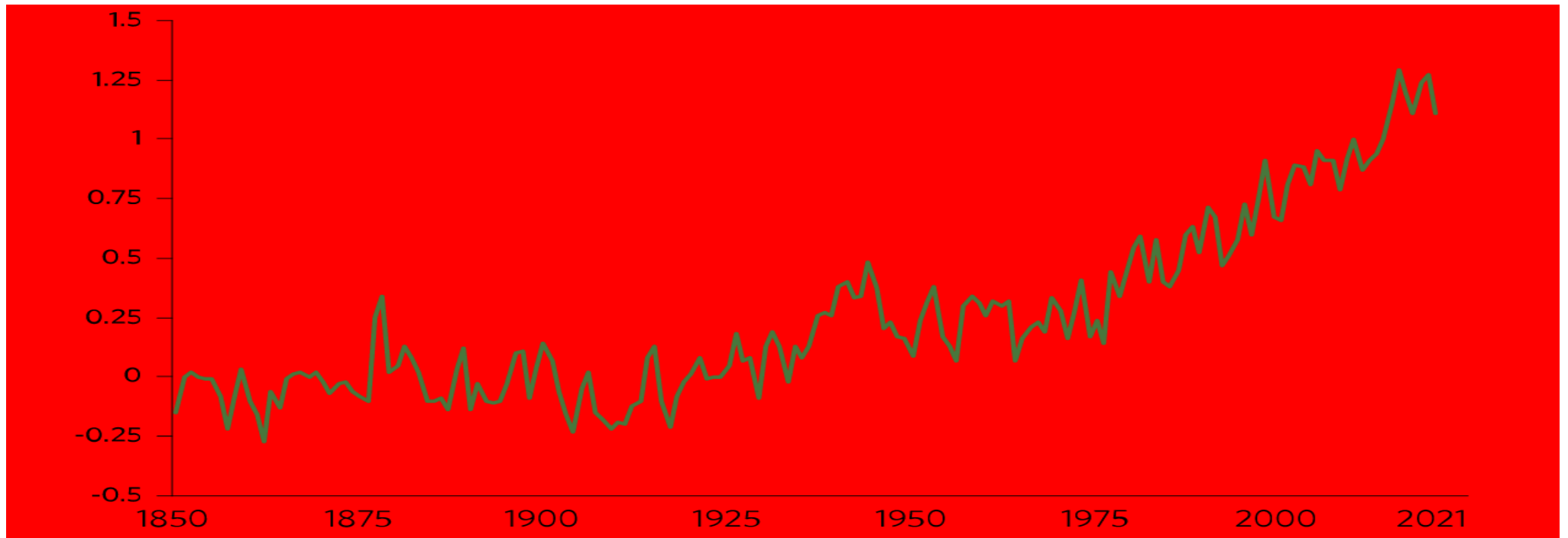
Associated Factors to Environmental Crisis



CONSEQUENCES OF ENVIRONMENTAL DEGRADATION



In 2021, the global mean temperature was about 1.11 ± 0.13 °C above the pre-industrial level (from 1850 to 1900), making it one of the seven warmest years on record (2015 to 2021).



Source: The figure is drawn from the World Meteorological Organization's State of the Global Climate 2021 report

CONSEQUENCES OF ENVIRONMENTAL DEGRADATION



Lake Victoria 2022

CONSEQUENCES OF ENVIRONMENTAL DEGRADATION



The Code Red



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Blaming one another brings No Good When We (all) are in a State of Immurgence.

We Need to Take Action to Survive In the Wicked State of our Environmental Crisis

The Code Red

13 CLIMATE ACTION



TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS

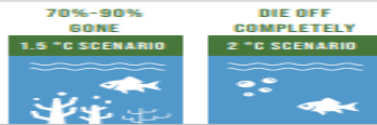


CLIMATE CHANGE

IS HUMANITY'S "CODE RED" WARNING

OUR WINDOW TO AVOID CLIMATE CATASTROPHE IS CLOSING RAPIDLY

DIFFERENT TEMPERATURE SCENARIOS FOR CORAL REEFS



CORAL REEFS

SEA LEVEL WILL RISE 30-60 CM BY 2100



SEA LEVEL RISE

DROUGHT ESTIMATED TO DISPLACE 700 MILLION PEOPLE BY 2030



DROUGHTS

MEDIUM- TO LARGE-SCALE DISASTERS WILL INCREASE 40% FROM 2015 TO 2030



DISASTERS

ENERGY-RELATED CO₂ EMISSIONS INCREASED

6% IN 2021

REACHING HIGHEST LEVEL EVER

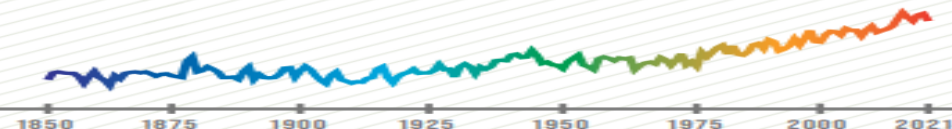


CLIMATE FINANCE

FALLS SHORT OF \$100 BILLION YEARLY COMMITMENT

DEVELOPED COUNTRIES PROVIDED \$79.6 BILLION IN CLIMATE FINANCE IN 2019

RISING GLOBAL TEMPERATURES CONTINUE UNABATED, LEADING TO MORE EXTREME WEATHER



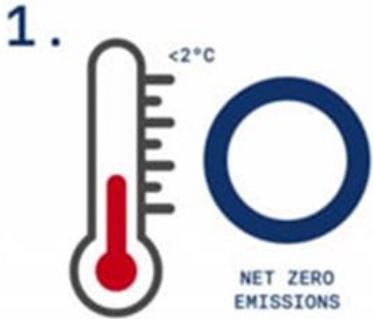
Sustainable Development Goal

13

Climate Action

Take urgent action to combat climate change and its impacts.

PARIS CLIMATE AGREEMENT



Limit the avg. global temperature increase to $< 2^{\circ}$ centigrade + achieve net zero emissions by mid-century



Enhance resilience and adaptation to climate impacts certain to occur



Align financial flows in the world with these objectives

Paris Agreement

In the Summit of the World Leaders at the UN Climate Change Conference (COP21) in Paris, on 12 December 2015, the members accorded that Climate change is a global emergency that goes beyond National Borders, hence, it is an issue that Requires International Cooperation and Coordinated Solutions at all levels.

Key Resolutions included

1. substantially reduce **Global Greenhouse Gas Emissions** to limit the **Global Temperature Increase** in this century to 2 Degrees Celsius while pursuing efforts to limit the increase even further to 1.5 degrees;
2. Review Countries' Commitments Every Five Years;
3. Provide Financing to Developing Countries to mitigate Climate Change, Strengthen Resilience, and Enhance Abilities to adapt to Climate Impacts.

FAITH-BASED INITIATIVES

- <https://www.ipcc.ch/2022/02/28/pr-wgii-ar6/>
- <https://unfccc.int/news/world-religious-leaders-and-scientists-make-pre-cop26-appeal>
- <https://www.faithplans.org/>

Laudato si: On the Care for Environment



Laudato Si Action

Pope Francis urgently appeals for a New Dialogue about how we are shaping the future of our Planet (**Common Home**) since, the environmental Challenges we are undergoing, Concern and Affect us all.

The poor are disproportionately affected by climate change

- Everything is connected -- including the economy
 - Global dialogue and solidarity are needed
 - A change of heart is required

Association of Member Episcopal Conference in Eastern Africa (AMECEA)



Environmental Impact on the Integral Development of the People of East Africa.

Climate Action in Tanzania

Environment is essential for our development strategy for the reason of striking a balance between economic and social gains in fulfilling our needs without compromising those of future generations.

The Government considers environmental management as a priority agenda as reflected in its various initiatives including National Environmental Policy (1997), Environmental Management Act (2004) and its Regulations, programmes and project

Climate Action in Tanzania



- Public Education and Awareness are necessary for Effective Management of the Environment in order to Nurture our Natural Resources and the Environment in a Sustainable Manner (Hon Suleiman Jaffo)

Climate Action in Tanzania



...Tanzania is among the countries that need effective climate action, with the consequences of climate change becoming more than obvious.

WHY COCoMEC?

Weakened Problems (Climate and Ecological Change) need a «Collective Vision»

Environment is a Common Good, hence, we are responsible to take action toward its sustainability

The National Environmental Policy 2021 has insisted on the engagement of both Private and Public Sector to engage fully in Paris Agreement Agenda

The CUCoMEC Initiatives are likely to provide a proper channeling of the Funds set aside to Support Developing Countries in tackling Environmental Issues

The Pope has urged all Faith Based Institutions to *Laudato Si* Action that pertain to Innovative Approaches in engaging the faithful in the Care of the «Common Home»

Are you

ready to

change your

lifestyle?

Climate Change Is Here Now. We Can Limit Further Warming And The Dangers It Poses—if We Act Now. Every Fraction of A Degree Matters.

CUCoMEC THESES

- ...“everything is related”: the loss of biodiversity, deforestation...
- It is the poorest and most disadvantaged who suffer the greatest consequences of the “cry of the earth”.
- We are committed to reviewing the ecological sustainability of our buildings and activities by implementing changes that go towards “zero impact”.
- We want to dedicate ourselves to the dissemination of Environmental Consciousness.

OUR STARTING POINT

1. Zero Garbage on the Grounds



HOW LONG TO DECOMPOSE* AT SEA?



Apple core
2 MONTHS



Disposable diaper
450 YEARS



Aluminium beverage can
200 YEARS



Cigarette but
2-15 YEARS



Chewing gum
> 25 YEARS



Fishing line
600 YEARS



Plastic bottle
450 YEARS



Disposable mask
450 YEARS

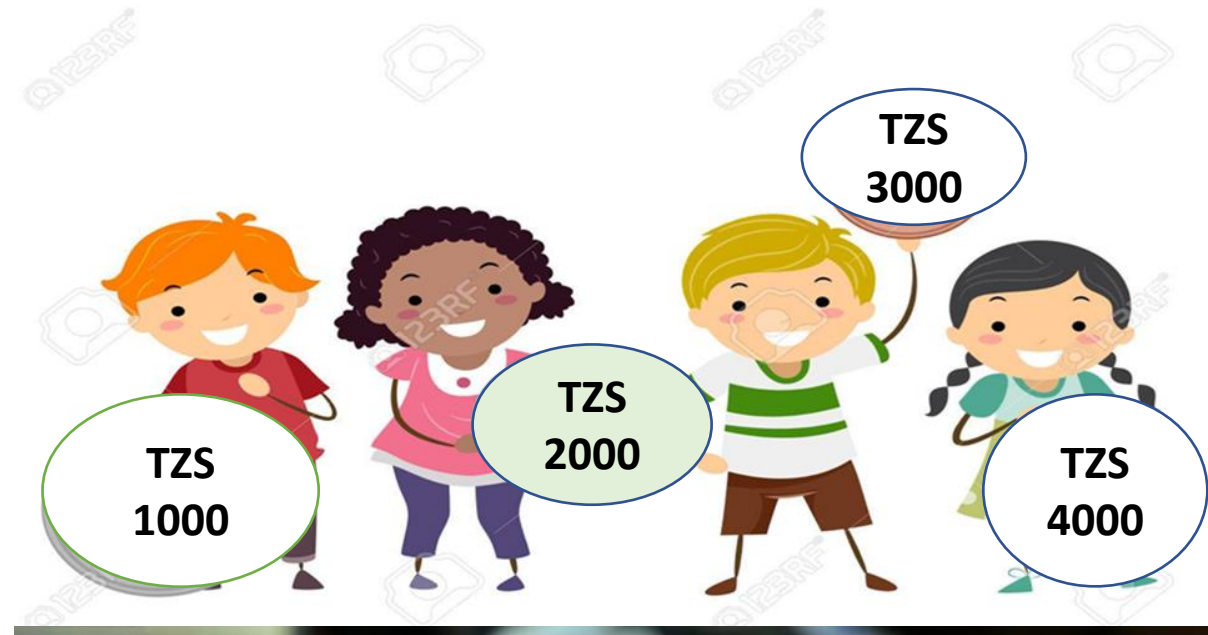


Plastic bag
10-20 YEARS

..Instead of Throwing Bottles, Make Money



Tanzania produces 14,800 tons of waste per day, 48% of which is plastic



- In Tanzania, eight brewing companies are joining forces to form the Polyethylene Terephthalate Recycle Company (**PETCO**).

2. Don't burn Waste

Burning Waste harms the Environment Because such waste releases Toxic Chemicals that pollute the Air on which humans and animals depend for survival



3. Collect maize leaves, grass, and springs and, produce humus



4. SAVE ENERGY

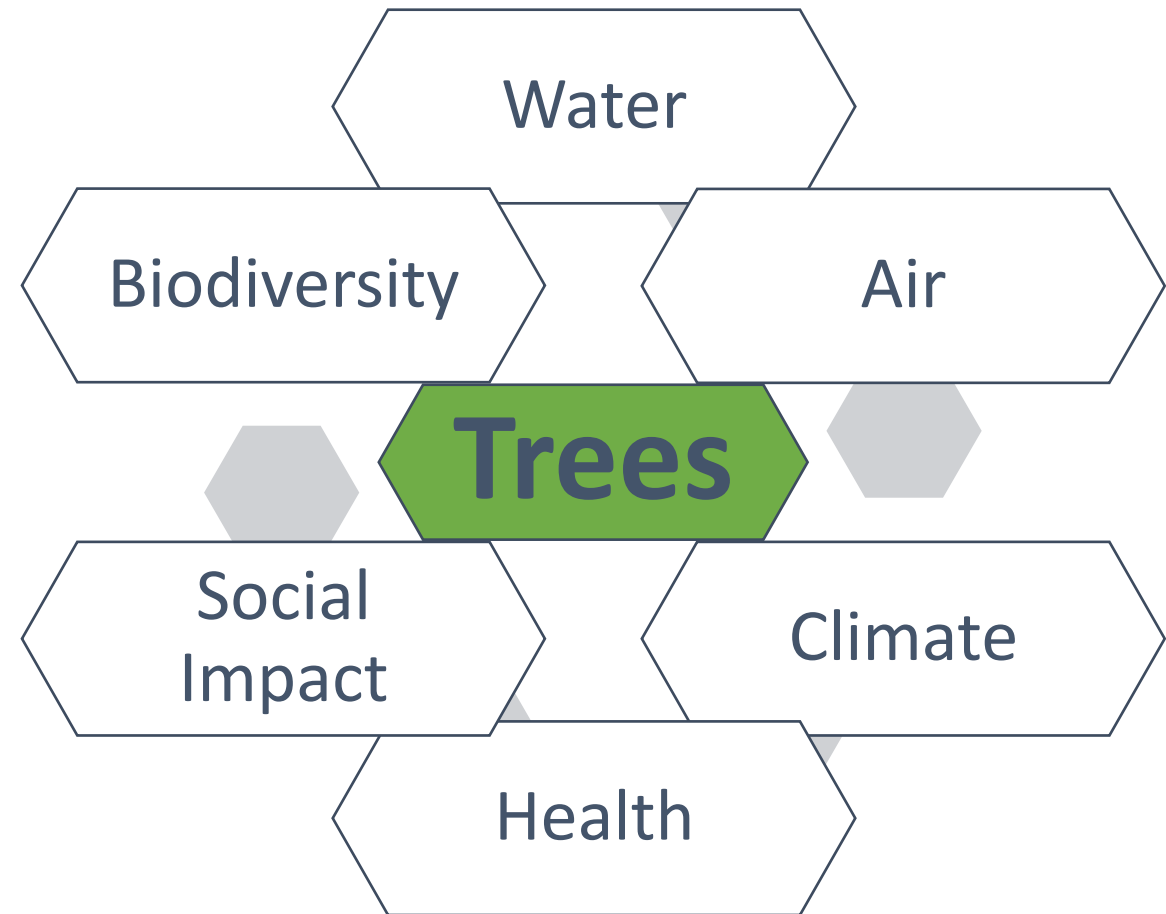


Each step you take to save electricity is translated into more money in your bank account, and electricity consumption, which is good for health and the environment since **fewer greenhouse gases** are emitted into the atmosphere.

5. Concietyze Your Neighbour on Protecting the Globe (Our Common Home)



6. Plant (and Preserve) Trees in your Surroundings



A good example
is the best
sermon

Examples Matter



Founder of the **Green Belt Movement**

Planted 30million trees

Provided jobs, and secured firewood for rural communities

Maathai was elected to parliament with 98% of the vote and appointed Assistant Minister in the Ministry for Environment and Natural Resources.

In 2004, she was awarded the Nobel Peace Prize while continuing to fight for women, the politically oppressed, and the planet.

She died in 2011 from complications relating to ovarian cancer.



18-year-old Canadian activist Emma Lim created the movement #NoFutureNoChildren – a pledge where activists refuse to have children due to the climate crisis.

So far, more than 4,000 people have taken the pledge – which has received global coverage.

“Because even though I want to have children more than almost anything- what kind of a mother would I be if I brought a baby into a world where I couldn’t make sure they were safe?”



4-year-old activist David Wicker has organized Fridays For Future strikes in Turin, Italy, and internationally.

Wicker says governments should place the climate crisis as their 'top priority' and respect the regulation of international agreements.

"We will not stop until politicians and leaders decide to take action."

Thank you For Your Attention