

SDG WEDDING CAKE

END POVERTY

PEACE & PROSPERITY

PROTECT THE PLANET

ECONOMY



SOCIETY



ENVIRONMENT



IMAGE: STOCKHOLM RESILIENCE CENTRE

VIDEO

Do you know all 17 SDGs?





END POVERTY IN ALL ITS FORMS EVERYWHERE

IF CURRENT
TRENDS CONTINUE,
BY 2030

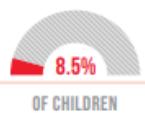
575 MILLION
PEOPLE WILL STILL BE
LIVING IN EXTREME POVERTY



ONLY ONE THIRD
OF COUNTRIES WILL HAVE
HALVED THEIR NATIONAL
POVERTY LEVELS

MANY OF THE
WORLD'S VULNERABLE POPULATION
REMAIN UNCOVERED BY SOCIAL PROTECTION

IN LOW-INCOME COUNTRIES, ONLY



RECEIVED SOCIAL PROTECTION CASH BENEFITS
(2020)

WORLDWIDE, COUNTRIES HAVE INCREASED GOVERNMENT SPENDING ON
ESSENTIAL SERVICES (EDUCATION, HEALTH AND SOCIAL PROTECTION) SINCE 2015

2015

47%

2021

53%

IN RESPONSE TO THE
COST-OF-LIVING CRISIS,

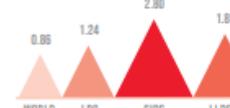


105 COUNTRIES
ANNOUNCED ALMOST
350 SOCIAL PROTECTION
MEASURES IN THE PAST

12 MONTHS
(FEB. 2022 – FEB. 2023)

LDCs, SIDS AND LLDCs
FACE HIGHER VULNERABILITY
TO DISASTERS

AVERAGE ANNUAL NUMBER OF
DEATHS OR MISSING PERSONS
PER 100,000 POPULATION
(2012-2021)



Target 1.1: Extreme Poverty

Target 1.2: Reduce poverty by at least 50%

Target 1.3: Implement nationally appropriate social protection systems

Target 1.4: Equal rights to ownership, basic services, technology, & economic resources

Target 1.5: Build Resilience to Environmental, Economic & Social Infrastructure to Mitigate Disasters



Key Characteristics of Extreme Poverty in the US:

Severe Deprivation:

- lack of access to essential resources & services, including food, safe drinking water, sanitation, healthcare, & education.

Low Income:

- often associated with very low incomes, making it difficult to afford basic necessities

Food Insecurity:

- Lack of access to sufficient, nutritious food leading to hunger & malnutrition.

Inadequate Housing:

- Often live in overcrowded, unsafe, or unsanitary housing, or experience homelessness

Limited Access to Healthcare:

- Healthcare access is often limited or nonexistent, leading to poor health outcomes & increased vulnerability.



Key Characteristics of Extreme Poverty in the United States:

Lack of Education & Opportunities:

- Limited access to quality education & job opportunities perpetuating a cycle of poverty,

Social Exclusion:

- Individuals in extreme poverty face social exclusion, discrimination, lack of social support

Concentrated Poverty:

- Some impoverished communities experience diminished school quality, health & healthcare quality & reduced employment networks

Health Issues:

- Impoverished communities; mental illness, chronic disease, lower life expectancy

Discrimination:

- People of Color, Women, & People w/Disabilities are more likely to have lower incomes

END

ZERO HUNGER GOAL
AT RISK

MORE THAN **600 MILLION** PEOPLE WORLDWIDE
ARE PROJECTED TO FACE HUNGER IN 2030

DESPITE DROPPING IN 2021,
HIGH FOOD PRICES CONTINUE TO PLAGUE MANY NATIONS

SHARE OF COUNTRIES EXPERIENCING MODERATELY
TO ABNORMALLY HIGH FOOD PRICES:



MALNUTRITION PERSISTS WORLDWIDE, JEOPARDIZING CHILDREN'S
WELL-BEING AND FUTURE DEVELOPMENT

CHILDREN UNDER AGE-5
AFFECTED BY:
(2021)

STUNTING
148 MILLION

WASTING
45 MILLION

OVERWEIGHT
37 MILLION

LITTLE TO NO PROGRESS
HAS BEEN MADE IN REDUCING
ANAEMIA WORLDWIDE SINCE 2000



PREVALENCE OF ANAEMIA IN
WOMEN AGED 15-49
HAS REMAINED STAGNANT
AT AROUND 30%



WORLDWIDE STRUGGLE
WITH MODERATE TO SEVERE
FOOD INSECURITY

Target 2.1: Universal access to safe & nutritious food

Target 2.2: End all forms of malnutrition

Target 2.3: Double the productivity & incomes of small-scale food producers

Target 2.4: Sustainable food production & resilient agricultural practices

Target 2.5: Maintain the genetic diversity in food production

Two-thirds of People Facing Food Insecurity in America Reported Incomes Above the Poverty Line

A Focus on Poverty Mitigation: education, gender equality, child mortality, maternal health, disease, the environment & creating partnerships

Coordinated Civic Action & Policy Solutions are needed to address Entrenched Inequalities



COLLABORATIVE HUNGER MITIGATION STRATEGIES

URBAN FARMING, e.g. Community Gardens, Hydroponics, Vertical Gardening, etc. to practice locally appropriate Urban Farming approaches.

ENVIRONMENTAL INFRASTRUCTURE, e.g. water quality / availability, common spaces, Natural Resources, infrastructure, etc. Design Collaborative Urban Agriculture Development Projects

HEALTH STUDY to determine Local Nutritional Needs, Identify Vulnerable Groups, e.g. Infants, Elderly, etc. Strategies to Support & Track Vulnerable Resident Groups



COLLABORATIVE HUNGER MITIGATION STRATEGIES

COMMUNITY FOOD SOURCES – List local farms, co-ops, Farmer’s Markets, Food Pantries, Soup Kitchens, Community gardens, etc. as a **Neighborhood Resource Guide** illustrating local food sources, distribution locations, Nutritional Values, etc.

FOOD DISTRIBUTION CENTER TRAINING – Churches, CDC’S, Schools, Senior Homes, Food Share Programs, 501c3 Certification. Mgt. Training / Professional development, e.g. Record-keeping, Regulatory Reporting Requirements, etc.

COOKING, FOOD PREPARATION CLASSES – Nutritious Food Preparation / Meal Management Classes in Local Community Kitchens using Donated Food Products & Facilities

Collaborative Strategies to Eliminate **FOOD WASTE** at the Retail & Consumer levels

END

NOTABLE STRIDES HAVE BEEN MADE TOWARDS
IMPROVING GLOBAL HEALTH OUTCOMES

146 OUT OF 200
COUNTRIES OR AREAS HAVE ALREADY MET
OR ARE ON TRACK TO MEET THE UNDER-5
MORTALITY TARGET



EFFECTIVE HIV TREATMENT HAS CUT
GLOBAL AIDS-RELATED DEATHS BY
52% SINCE 2010



AT LEAST ONE NEGLECTED TROPICAL
DISEASE HAS BEEN ELIMINATED IN
47 COUNTRIES

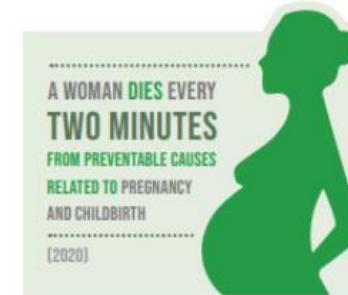
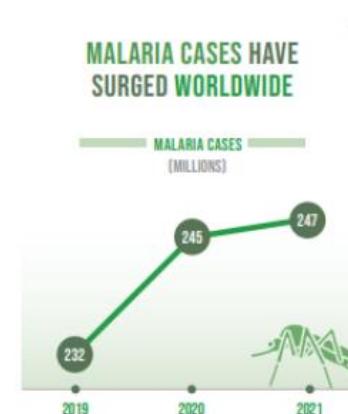
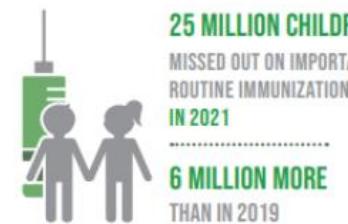


OUT-OF-POCKET PAYMENTS
FOR HEALTH PUSHED OR FURTHER PUSHED

381

MILLION PEOPLE
(4.9% OF POPULATION)

INTO EXTREME POVERTY



Target 3.1: Reduce maternal mortality

Target 3.2: End all preventable deaths under five years of age

Target 3.3: Fight Communicable Diseases

Target 3.4: Reduce mortality from non-communicable diseases & promote mental health

Target 3.5: Prevent & treat substance abuse

Target 3.6: Reduce road injuries & deaths

Target 3.7: Universal access to sexual & reproductive care, family planning & education

Target 3.8: Achieve Universal Health Coverage

Target 3.9: Reduce illnesses & deaths from Hazardous Chemicals & Pollution

Strategies to Address Local Health & Mental Well-being

- **PUBLIC AWARENESS CAMPAIGN** Promoting Healthy Lifestyles
- Promote **MENTAL HEALTH** & strategies for personal well-being
- Research Study; **HEALTH TRENDS & CHALLENGES**: local illnesses linked to contaminants, hazardous chemicals, air, water, soil pollution, etc.
- Improve access to affordable & essential **MEDICINES & VACCINES**
- **HEALTH SCREENING**: Blood Pressure, Vital Signs, Vaccines, safety & emergency first aid procedures & Locally Relevant Health Information via Health fairs, Public Gatherings, Information / Illustrations, Hand-outs, etc.

END



PRIMARY AND SECONDARY SCHOOL COMPLETION RATES ARE RISING, BUT THE PACE IS SLOW AND UNEVEN



Target 4.1: Free primary & secondary education

Target 4.2: Access to quality pre-primary education

Target 4.3: Equal access to affordable technical, vocational & higher education

Target 4.4: Increase the number of people with relevant skills for financial success

Target 4.5: Eliminate all discrimination in education

Target 4.6: Universal Literacy & Numeracy

Target 4.7: Education for Sustainable Development & Global Citizenship

COMMUNITY-BASED EDUCATION, PROJECT-BASED LEARNING, CIVIC ENGAGEMENT, LIFE-LONG LEARNING

COMMUNITY PUBLIC SQUARE: Community Meeting Spaces to plan & execute Collaborative Civic Engagement projects to address local Sustainable Development priorities

SERVICE-LEARNING ACADEMY: Community-led Supplemental Education Program to promote Youth Development, Career / Professional Skills training

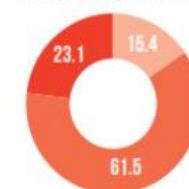
END



ACHIEVE GENDER EQUALITY AND EMPOWER ALL WOMEN AND GIRLS

THE WORLD IS
NOT ON TRACK TO ACHIEVE
GENDER EQUALITY BY 2030

OUT OF GOAL 5 INDICATORS:



"ON TRACK"
■ AT A MODERATE
DISTANCE
■ FAR OR VERY FAR
OFF TRACK

AT THE CURRENT RATE, IT WILL TAKE



300 YEARS
TO END CHILD
MARRIAGE



286 YEARS TO CLOSE GAPS
IN LEGAL PROTECTION AND
REMOVE DISCRIMINATORY LAWS



= 140 YEARS TO ACHIEVE
EQUAL REPRESENTATION IN
LEADERSHIP IN THE WORKPLACE

LEGISLATED GENDER QUOTAS
ARE EFFECTIVE TO ACHIEVE
EQUALITY IN POLITICS

WOMEN'S REPRESENTATION IN PARLIAMENT
(2022)



30.9%
COUNTRIES
APPLYING QUOTAS

21.2%
COUNTRIES
WITHOUT QUOTAS



1 IN 5 YOUNG WOMEN
ARE MARRIED
BEFORE THEIR 18TH BIRTHDAY



- **Target 5.1:** End discrimination against women & girls
- **Target 5.2:** End all violence & exploitation against women & girls
- **Target 5.3:** Eliminate forced marriages & genital mutilation
- **Target 5.4:** Value unpaid care & promote shared domestic responsibilities
- **Target 5.5:** Ensure full participation in leadership & decision-making
- **Target 5.6:** Universal access to reproductive rights & health



Achieve Gender Equality & Empower all Women & Girls

Globally, at the current rate, it will take an estimated

- **300 years** to end child marriage,
- **286 years** to close gaps in legal protection & remove discriminatory laws,
- **140 years** to be represented equally in positions of power & leadership
- **47 years** to achieve equal representation in national governments

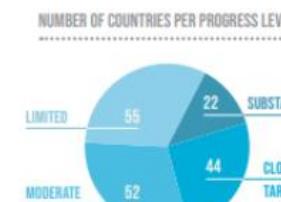
END

ENSURE AVAILABILITY AND SUSTAINABLE
MANAGEMENT OF WATER AND SANITATION FOR ALLSAFE DRINKING WATER,
SANITATION AND HYGIENE

STILL OUT OF REACH

FOR BILLIONS

IN 2022

2.2 BILLION PEOPLE
LACKED SAFELY
MANAGED
DRINKING WATER3.5 BILLION PEOPLE
LACKED SAFELY
MANAGED
SANITATION2.2 BILLION PEOPLE
LACKED BASIC
HAND WASHING
FACILITIESTO MEET 2030 TARGETS,
PACE OF PROGRESS WILL HAVE TO ACCELERATE6x
DRINKING WATER5x
FOR SANITATION3x
HYGIENE2.4 BILLION PEOPLE
LIVE IN
WATER-STRESSED
COUNTRIES
(2020)81% OF SPECIES
DEPENDENT ON INLAND
WETLANDS HAVE
DECLINED SINCE 1970INTEGRATED
WATER-RESOURCES-MANAGEMENT
IMPLEMENTATION
NEEDS ACCELERATION

- **Target 6.1: Safe & affordable drinking water**
- **Target 6.2: End open defecation & provide access to sanitation & hygiene**
- **Target 6.3: Improve water quality, wastewater treatment & safe reuse**
- **Target 6.4: Increase water-use efficiency & ensure fresh water supplies**
- **Target 6.5: Implement Integrated Water Resources Management (IWRM)**
- **Target 6.6: Protect & restore water-related ecosystems**



Ensure availability & sustainable management of water & sanitation for all

Infrastructure & sanitation; protection & restoration of water-related ecosystems;

Local Sustainability strategies include capacity-building, promoting innovation

Scientific collaboration; coordination & cooperation among all stakeholders

Adopting a more integrated & holistic approach to water management

END

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

LIGHTS OUT:

675 MILLION PEOPLE
STILL LIVE IN THE DARK

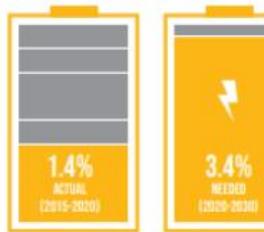


IF CURRENT TRENDS CONTINUE,

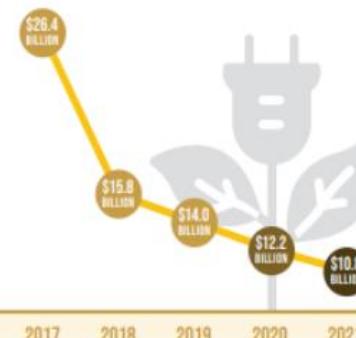
1 IN 4 PEOPLE WILL STILL USE UNSAFE AND INEFFICIENT COOKING SYSTEMS BY 2030

ENERGY EFFICIENCY IMPROVEMENT
MUST **MORE THAN DOUBLE** ITS PACE

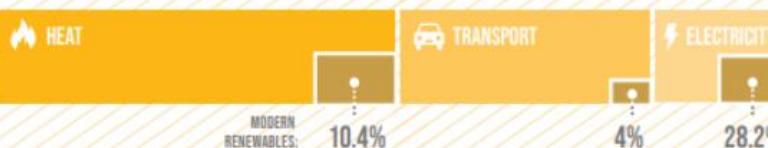
ANNUAL ENERGY-INTENSITY IMPROVEMENT RATE



INTERNATIONAL PUBLIC FINANCING
FOR CLEAN ENERGY FOR DEVELOPING
COUNTRIES **CONTINUES TO DECLINE**



MODERN RENEWABLES POWER NEARLY 30% OF ELECTRICITY,
BUT REMAIN LOW IN HEATING AND TRANSPORT (2020)



Target 7.1: Universal access to modern energy

Target 7.2: Increase global percentage of renewable energy

Target 7.3: Double the improvement in energy efficiency

Target 7.a: Promote access to research, technology & investments in clean energy



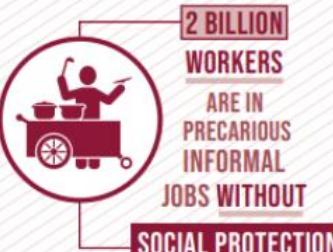
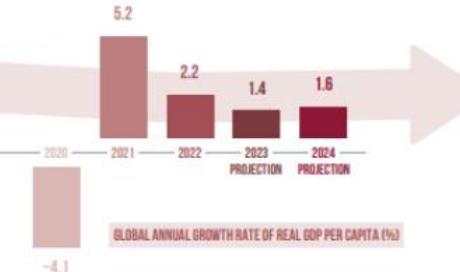
Ensure access to affordable, reliable, sustainable & modern energy for all

Energy Consumption is the dominant contributor to Climate Change, accounting for around **60% of total global greenhouse gas emissions**

Our goals are to ensure universal access to affordable clean energy sources such as solar, wind & thermal....

Expanding infrastructure, upgrading technology to provide clean energy, investments in renewable energy, improve energy efficiency, green energy policies & regulatory frameworks

GLOBAL ECONOMIC RECOVERY CONTINUES, BUT ON A SLOW TRAJECTORY



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
[2022]

GLOBAL UNEMPLOYMENT IS EXPECTED TO FALL
BELOW PRE-PANDEMIC LEVELS,
BUT NOT IN LOW-INCOME COUNTRIES



DURING THE PANDEMIC, **4 IN 10** ADULTS
IN LOW- AND MIDDLE-INCOME COUNTRIES
OPENED THEIR FIRST BANK ACCOUNT

Target 8.1: Sustainable economic growth

Target 8.2: Diversify, innovate & upgrade
for economic productivity

Target 8.3: Promote policies to support job
creation & growing enterprises

Target 8.4: Improve resource efficiency in
consumption & production



Target 8.5: Full employment, decent work w/equal pay

Target 8.6: Promote youth employment, education & training

Target 8.7: End modern slavery, trafficking & child labor

Target 8.8: Protect labor rights & promote safe working environments

Target 8.9: Promote beneficial & sustainable tourism

Target 8.10: Universal access to banking, insurance and financial services



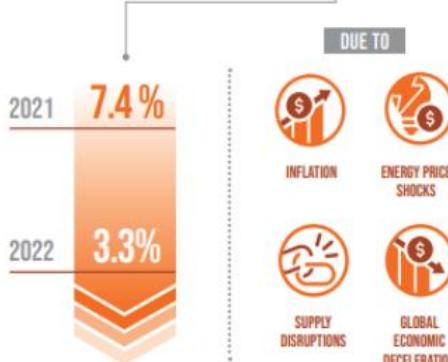
Promote sustained, inclusive & sustainable economic growth, full & productive employment & decent work for all

- Globally, labor productivity has increased & unemployment rate decreased
- **More employment opportunities, especially for young people**
- Reduce informal employment & labor market inequality (*gender pay gap*),
- Improve access to financial services for sustained economic growth
- Creation of quality jobs remain a major challenge for almost all economies

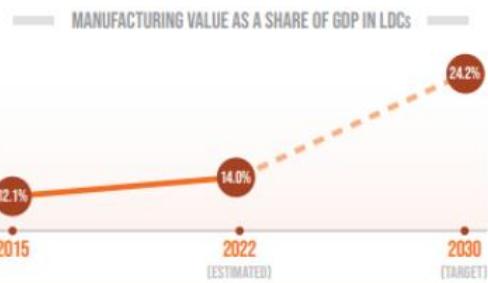
END

GLOBAL MANUFACTURING

GROWTH SLOWED FROM



LDCs ARE LIKELY TO **MISS THEIR 2030 TARGET**
OF DOUBLING MANUFACTURING SHARE OF GDP



95% OF THE WORLD
HAS MOBILE BROADBAND ACCESS (3G OR HIGHER) (2022)

BUT COVERAGE IS ONLY 82% IN SUB-SAHARAN AFRICA AND 68% IN OCEANIA*

ENERGY-RELATED

CO₂ EMISSIONS



REACHED
36.8 BILLION

METRIC TONS IN 2022
A RECORD HIGH

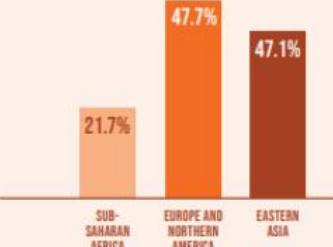
MEDIUM-HIGH AND HIGH-TECHNOLOGY

INDUSTRIES EXPERIENCED

STRONG GROWTH IN 2022

BUT WITH REGIONAL VARIATION

SHARE IN TOTAL MANUFACTURING



Target 9.1: Develop sustainable, resilient & inclusive infrastructures

Target 9.2: Promote inclusive & sustainable industrialization

Target 9.3: Increase access to financial services & markets

Target 9.4: Upgrade all industries & infrastructures for sustainability

Target 9.5: Enhance research & upgrade industrial technologies



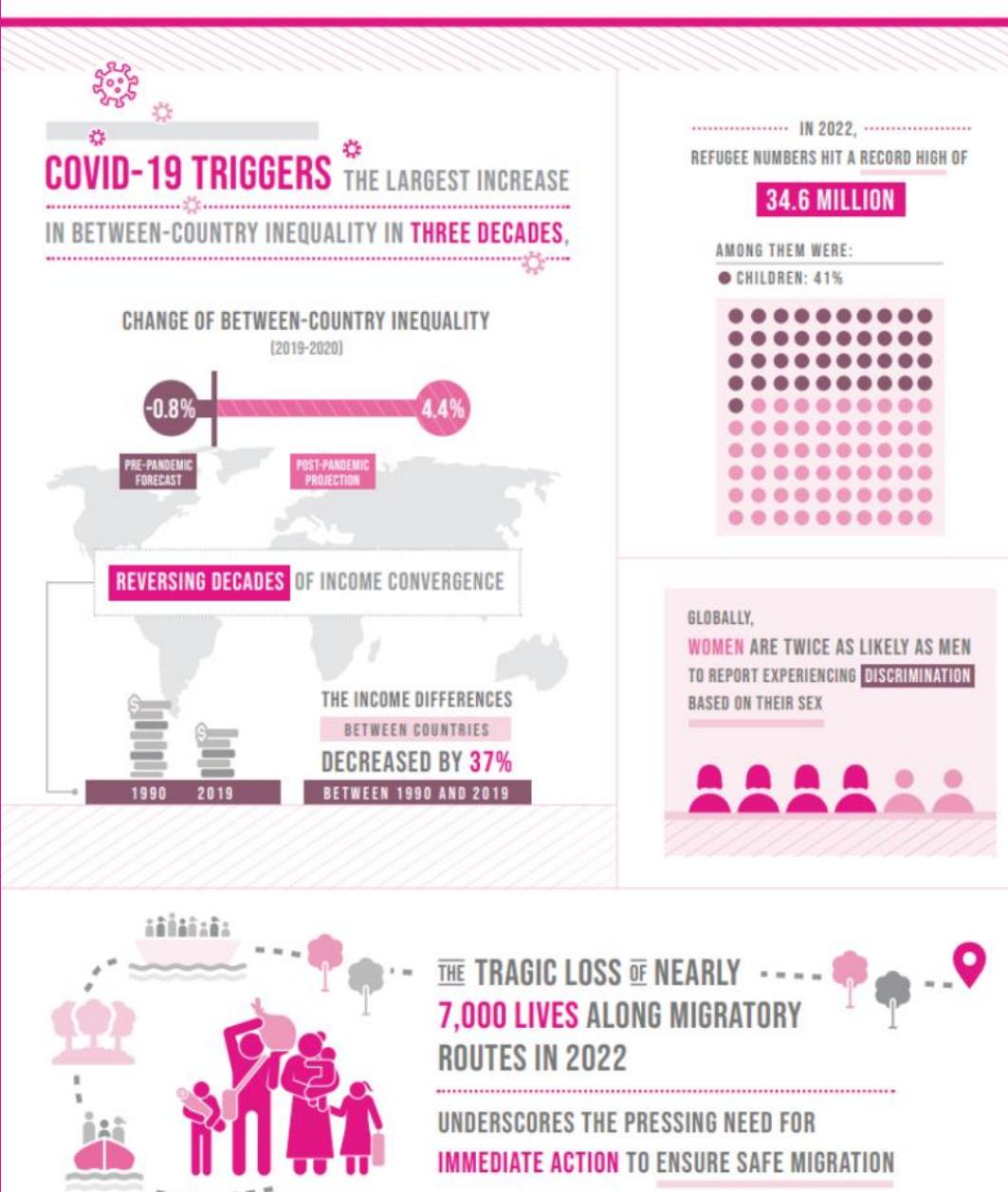
**Build resilient infrastructure, promote inclusive
& sustainable industrialization & foster innovation**

**Sustainability Goals include transportation, irrigation, energy,
information, communication & technology**

**Investments in advanced technologies, lower carbon
emissions & increased mobile broadband access**

END

REDUCE INEQUALITY WITHIN AND AMONG COUNTRIES



Target 10.1: Reduce income inequalities

Target 10.2: Promote universal social, economic & political inclusion

Target 10.3: Ensure equal opportunities & end discrimination

Target 10.4: Adopt fiscal & social policies that promote equality

Target 10.5: Improved regulation of global financial markets & institutions

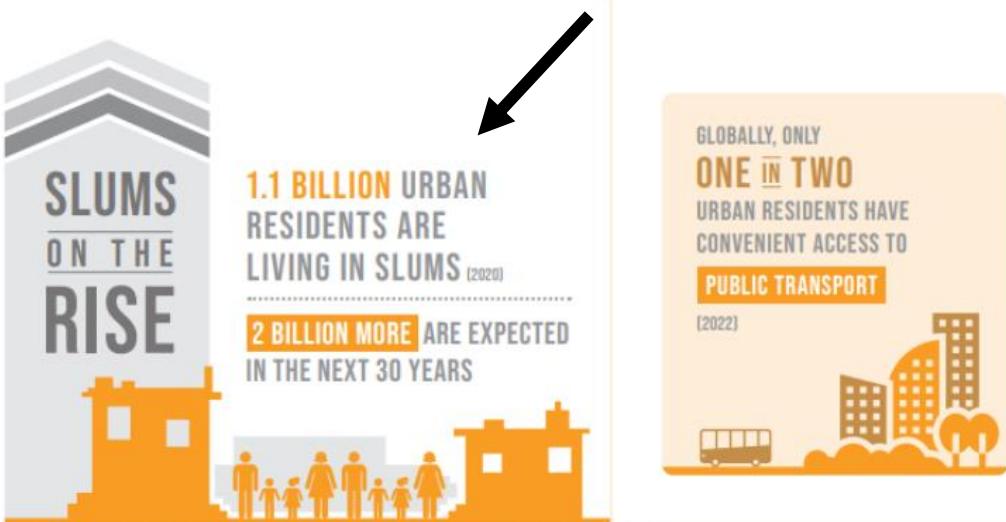
Target 10.6: Enhanced representation for developing countries in financial institutions

Target 10.7: Responsible & well-managed migration policies



Inequality impacts Social & Economic Development, hampers Poverty Reduction efforts & destroys people's Sense of Self-Worth

- Reducing inequality within US & globally between countries requires:
 - Equitable **Resource Distribution**
 - Investing in **Education** & skills development
 - Implementing **Social Protection** measures
 - Combating **Discrimination**, supporting marginalized groups
 - Fostering international cooperation for **Fair Trade** & financial systems

MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE,
SAFE, RESILIENT AND SUSTAINABLE

- **Target 11.1:** Safe & affordable housing
- **Target 11.2:** Affordable & sustainable transport systems
- **Target 11.3:** Inclusive & sustainable urbanization
- **Target 11.4:** Protect the world's cultural & natural heritage
- **Target 11.5:** Reduce the adverse effects of natural disasters
- **Target 11.6:** Reduce the environmental impacts of cities
- **Target 11.7:** Provide access to safe & inclusive green & public spaces



**Half of the world's population live in cities,
projected to reach 70% by 2050**

**Rapid urbanization outpacing the development of housing,
infrastructure & services, led to a rise in slums or slum-like conditions**

Making cities safe & sustainable means:

- collaborative & inclusive urban planning & management
- ensuring access to safe & affordable housing,
- investing in public transportation,
- creating green spaces,

END



ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS

HIGH-INCOME COUNTRIES LEAVE A **LARGER ENVIRONMENTAL FOOTPRINT** COMPARED TO LOW-INCOME COUNTRIES

MATERIAL FOOTPRINT PER CAPITA IN HIGH-INCOME COUNTRIES IS

10 TIMES THAT OF LOW-INCOME COUNTRIES



DESPITE CALLS FOR
A PHASE-OUT

FOSSIL FUEL SUBSIDIES
RETURN AND NEARLY
DOUBLED, TRIGGERED
BY GLOBAL CRISES

2020 2021

\$375 BILLION \$732 BILLION

ON AVERAGE,

EACH PERSON

WASTES

120 KILOGRAMS

OF FOOD PER YEAR

COMPANY

SUSTAINABILITY

REPORTING HAS

TRIPLED

SINCE 2016

SUSTAINABILITY

PATHWAY

62 COUNTRIES + EU

INTRODUCED

485 POLICIES

FOR SUSTAINABLE
CONSUMPTION AND
PRODUCTION SHIFTS

(2019-2022)



Target 12.1: Implement the **3-year** sustainable consumption & production framework

Target 12.2: Sustainable management & use of natural resources

Target 12.3: Halve global per capita food waste

Target 12.4: Responsible management of chemicals & waste

Target 12.5: Substantially reduce waste generation

Target 12.6: Encourage companies to adopt sustainable practices & sustainability reporting

Target 12.7: Promote sustainable public procurement practices

Target 12.8: Promote universal understanding of sustainable lifestyles

- **Target 12.9:** Support developing countries' scientific & technological capacity for sustainable consumption & production
- **Target 12.10:** Develop & implement tools to monitor sustainable tourism
- **Target 12.11:** Remove market distortions that encourage wasteful consumption

If global population reaches 9.8 billion by 2050, the **equivalent of almost three planets** will be required to provide natural resources to sustain current lifestyles



TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS

EARTH'S TIPPING POINT

STANDING AT THE BRINK OF CLIMATE CALAMITY



BILLIONS TO TRILLIONS:

GLOBAL CLIMATE FINANCE FLOWS REACHED AN ANNUAL AVERAGE OF \$803 BILLION IN 2019-2020

HOWEVER, DEVELOPING COUNTRIES REQUIRE NEARLY \$6 TRILLION BY 2030

2019-2020
(ANNUAL AVERAGE)



THE RATE OF SEA-LEVEL RISE HAS DOUBLED IN THE LAST DECADE



HIGHLY VULNERABLE REGIONS

EXPERIENCE 15X HIGHER MORTALITY RATES FROM DISASTERS
COMPARED TO VERY LOW VULNERABILITY REGIONS (2010-2020)



Target 13.1: Strengthen resilience & adaptive capacity to climate-related disasters

Target 13.2: Integrate climate change measures into policy & planning

Target 13.3: Build knowledge & capacity to meet climate change

Target 13.a: Implement the UN Framework Convention on Climate Change

Target 13.b: Promote mechanisms to raise capacity for planning & mgt.



Take Urgent Action to Combat Climate Change & its Impacts

Environmental impacts include extreme weather & changing weather patterns, rising sea level causing mass migrations, regional instability & wars

Affordable, scalable solutions allow communities to collaboratively address local challenges, producing more resilient & low-carbon economies.

END

PRESERVE THE BLUE, PROTECT THE EARTH:

URGENT ACTIONS NEEDED TO SAFEGUARD
THE PLANET'S **LARGEST ECOSYSTEM****OCEAN EMERGENCY**COASTAL
EUTROPHICATION:
CAUSING ALgal
BLOOMS AND
DEAD ZONESOCEAN
ACIDIFICATION:
30% HIGHER THAN
IN PRE-INDUSTRIAL
TIMESOCEAN
WARMING:
SEA-LEVEL RISE
AND AFFECTING
MARINE ECOSYSTEMSPLASTIC
POLLUTION:
17 MILLION METRIC
TONS IN 2021-
2-3X MORE BY 2040OVER-
FISHING:
MORE THAN A THIRD
OF GLOBAL FISH STOCKS
ARE OVERFISHED

CITIZEN SCIENCE BEACH CLEAN-UPS

SHED LIGHT ON THE MAGNITUDE OF
OCEAN PLASTIC POLLUTION

SUFFOCATING SEAS

COASTAL EUTROPHICATION TRIGGERS
CRUSTACEAN WALKOUTSOCEAN ACIDIFICATION
REPORTING STATIONS HAVE
TRIPLED WORLDWIDE2021: 178 STATIONS
2022: 308 STATIONS
2023: 539 STATIONS1 IN 5 FISH CAUGHT
ORIGINATES FROM
ILLEGAL, UNREPORTED
AND UNREGULATED FISHING**Target 14.1: Reduce Marine Pollution****Target 14.2: Protect & Restore
Ecosystems****Target 14.3: Reduce ocean acidification****Target 14.4: Sustainable fishing****Target 14.5: Conserve coastal & marine areas****Target 14.6: End subsidies contributing to
overfishing****Target 14.7: Increase the economic benefits
from sustainable use of marine resources**



Conserve & sustainably use the oceans, seas & marine resources for sustainable development

Oceans cover 3/4 of Earth's surface, contain 97% of the Earth's water & represent 99% of living space on the planet by volume

Marine Pollution is reaching alarming levels, with over 17M metric tons clogging the ocean, set to double by 2040

NOTE: The world's oceans provide key natural resources including food, medicines, biofuels & the breakdown & removal of waste & pollution

END



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

A FUNDAMENTAL SHIFT IN HUMANITY'S
RELATIONSHIP WITH NATURE
IS ESSENTIAL

ESCALATING



FOREST
LOSSES



LAND
DEGRADATION



SPECIES
EXTINCTION

POSE **SEVERE THREATS** TO PEOPLE AND THE PLANET



THE WORLD IS
CURRENTLY FACING THE
**LARGEST SPECIES
EXTINCTION**
EVENT SINCE
THE DINOSAUR AGE

100 MILLION

HECTARES

OF HEALTHY AND
PRODUCTIVE LAND WAS
DEGRADED EVERY YEAR
FROM 2015-2019

EQUIVALENT TO 2X THE

SIZE OF GREENLAND



PROTECTED AREA COVERAGE
OF KEY BIODIVERSITY AREAS
HAS STALLED

SINCE 2015

THE KUNMING-MONTREAL GLOBAL BIODIVERSITY FRAMEWORK

• PROVIDES RENEWED IMPETUS FOR CONSERVING TERRESTRIAL ECOSYSTEMS, WITH



4 OUTCOME-ORIENTED GOALS BY 2050



23 TARGETS BY 2030

Target 15.1: Conserve & Restore Terrestrial & Freshwater Ecosystems

Target 15.2: End deforestation & restore degraded forests

Target 15.3: End desertification & restore degraded land

Target 15.4: Ensure conservation of mountain ecosystems

Target 15.5: Protect biodiversity & natural habitats

Target 15.6: Protect access to genetic resources & fair sharing of the benefits



Factors that can Threaten Sustainability in Terrestrial Ecosystems:

Habitat Loss & Fragmentation: Deforestation, urbanization, & development that disrupt natural ecosystems

Climate Change: Alterations in Temperature & Precipitation Patterns impacting Species Distribution & Survival

Invasive Species: Non-native species outcompeting native plants & animals

Over-Exploitation: Excessive harvesting of resources like timber or wildlife

Pollution: Chemical contaminants entering ecosystem via Air, Water & Soil

END

STEEP RISE IN
**CONFLICT-RELATED
CIVILIAN DEATHS**



WITH AN OVER 50% SURGE IN 2022,
FUELED BY THE **WAR IN UKRAINE**



MORE THAN
108.4 MILLION PEOPLE
HAD BEEN FORCIBLY DISPLACED
WORLDWIDE AS OF END-2022
2.5X THE NUMBER A DECADE AGO

NEARLY
200,000
TRAFFICKING VICTIMS

WERE DETECTED WORLDWIDE
BETWEEN 2017 AND 2020

BUT MANY MORE LIKELY
REMAINED **UNDETECTED**

YOUTH FACE UNDERREPRESENTATION IN POLITICS,
HINDERING THEIR PARTICIPATION IN DECISION-MAKING PROCESSES



30
GLOBAL MEDIAN AGE



51
AVERAGE AGE OF MEMBERS OF PARLIAMENT

Target 16.1: Reduce Violence Everywhere

Target 16.2: Protect children from abuse,
exploitation, trafficking & violence

Target 16.3: Equal Access to Justice

Target 16.4: Combat organized crime & illicit
financial & arms flows

Target 16.5: Substantially reduce corruption
& bribery

Target 16.6: Develop Effective, Accountable & Transparent Institutions

Target 16.7: Ensure responsive, inclusive &
representative decision-making

Target 16.8: Strengthen the participation in global governance

Target 16.9: Provide universal legal identity

Target 16.10: Ensure public access to information & protect fundamental freedoms

**Sexual Violence, Crime & Exploitation are
Prevalent where there's no Rule of Law**

Governments & Local Communities Working Together to find Lasting Solutions

- Strengthening the **Rule of Law** & Promote Human Rights
- Reduce the Flow of Illicit Arms
- Combat Corruption & Exploitation

END

MANY DEVELOPING COUNTRIES ARE FACING A DEBT CRISIS

AS OF NOVEMBER 2022,



OF THE WORLD'S POOREST COUNTRIES
WERE IN DEBT DISTRESS OR AT HIGH RISK OF IT

THE SHARE OF EXPORTS FROM
LDCS IN GLOBAL
MERCCHANDISE TRADE



HAS STAGNATED
AT AROUND
1%

— SINCE 2011 —

NET ODA REACHED \$206 BILLION IN 2022, UP 15.3% FROM 2021

MAINLY Owing TO SPENDING ON REFUGEES
IN DONOR COUNTRIES AND AID TO UKRAINE

NET ODA REACHED 0.37% OF GNI,
STILL BELOW THE TARGET OF 0.7%



2 IN 3 PEOPLE
USED THE INTERNET
IN 2022



259 MILLION MORE MALE THAN FEMALE USERS

ODA FUNDING FOR DATA



Target 17.1: Mobilize resources to improve domestic revenue collection

Target 17.2: Implement all development assistance commitments

Target 17.3: Mobilize financial resources for developing countries

Target 17.4: Assist developing countries in attaining debt sustainability

Target 17.5: Invest in least-developed countries

Target 17.6: Knowledge sharing & cooperation for access to science, technology & innovation

Target 17.7: Promote sustainable technologies to developing countries

Target 17.8: Strengthen science, technology & innovation capacity for least-developed countries

Target 17.10: Promote a universal trading system under the WTO

Target 17.11: Increase the exports of developing countries

Target 17.12: Remove trade barriers for least-developed countries

Target 17.13: Enhance global macroeconomic stability

Target 17.14: Enhance policy coherence for sustainable development

Target 17.16: Enhance effective partnerships for sustainable development

Target 17.18: Enhance availability of reliable data

Target 17.19: Further develop measurements of progress

END

1

SDG WEDDING CAKE



2

ENVIRONMENT



3

IMAGE: STOCKHOLM RESILIENCE CENTRE

ECONOMY



SOCIETY



ENVIRONMENT



SUSTAINABLE DEVELOPMENT PROJECT SUGGESTIONS

SUSTAINABLE DEVELOPMENT	END HUNGER	HEALTH & WELL-BEING	EDUCATION & CAREER TRAINING	INFRASTRUCTURE SUSTAINABLE CONSUMPTION	CLIMATE CHANGE, GREEN PROJECTS, CLEAN ENERGY	SAFETY / SECURITY SOCIAL JUSTICE
COMMUNITY GARDENS, VERTICAL / HYDROPONIC GARDENING	X	X	X			
HEALTH & ENVIRONMENTAL RESEARCH STUDIES		X		X	X	
CIVIC / SOCIAL SUPPORT	X					X
COMMUNITY RESOURCES / INFRASTRUCTURE				X	X	X
ENVIRONMENTAL POLLUTANTS		X		X	X	
COMMUNITY PUBLIC SQUARE CIVIC ENGAGEMENT	X	X	X	X	X	X
EMERGENCY MANAGEMENT / CRISIS RESPONSE PLANNING				X	X	X
COMMUNITY POLICING PLAN		X				X



VIDEOS

- End poverty in all its forms everywhere
- Why is it so hard to escape poverty?

In the US, a Family of Four earning under \$30,000 a year is considered low-income

DISCUSSION: Is \$30,000 a Year a realistic Income level for a Family of Four???



DISCUSSION – IS THERE EXTREME POVERTY LOCALLY???

YES

NO

**BRAINSTORM - IF SO; WHAT DOES EXTREME POVERTY LOOK
LIKE IN YOUR NEIGHBORHOOD,**

HOW CAN THE COMMUNITY ADDRESS THIS PROBLEM???

END



VIDEOS

URBAN FARM in the Heart of New York City!

Vertical Aeroponic Technology

What is Aquaponics and How Does it Work

**DISCUSSION - DO YOU BELIEVE THERE IS HUNGER / FOOD
INSECURITY IN YOUR NEIGHBORHOOD**

YES

NO

**BRAINSTORM - IF SO, HOW CAN LOCAL COLLABORATIVE EFFORTS REDUCE
FOOD INSECURITY IN YOUR NEIGHBORHOOD**

END



VIDEO

Community-Based Partnership to Promote Healthy Initiatives

**DISCUSSION – IS ADEQUATE HEALTH CARE AVAILABLE LOCALLY TO INCLUDE
VACCINES, INFESTIOUS & COMMUNICABLE DISEASES SCREENING, ETC.**

YES

NO

**BRAINSTORM - IF NOT, HOW MAY YOUR COMMUNITY IMPROVE LOCAL
HEALTH OUTCOMES & DELIVERY OF BASIC HEALTH CARE**

END



VIDEO

Bloom's Taxonomy: Structuring The Learning Journey

DISCUSSION – IS THE CURRENT EDUCATION SYSTEM EFFECTIVE, DOES IT ADEQUATELY PREPARE STUDENTS FOR FUTURE CHALLENGES

YES

NO

BRAINSTORM - IF NOT, HOW CAN EDUCATION BE IMPROVED LOCALLY

END



DISCUSSION – IN WHAT WAYS IS GENDER INEQUALITY APPARENT IN YOUR COMMUNITY

YES

NO

BRAINSTORM – HOW CAN WE INCREASE AWARENESS OF GENDER INEQUALITY

END



VIDEO

Understand Goal 6: Clean Water & Sanitation

**RESEARCH – ARE THERE LOCAL CITIZENS WHO DO NOT HAVE ACCESS
TO CLEAN WATER & SANITATION?**

YES

NO

**BRAINSTORM – HOW CAN SUPPORT BE PROVIDED TO LOCAL CITIZENS
TO GAIN ACCESS TO CLEAN WATER & SANITATION?**

END



VIDEO

Renewable Energy 101

**RESEARCH – ARE THERE LOCAL RESIDENTS WHO DO NOT HAVE
ACCESS TO ENERGY TO SATISFY THEIR BASIC NEEDS?**

YES

NO

**BRAINSTORM – HOW CAN WE IMPROVE ACCESS TO SUSTAINABLE
ENERGY TO SATISFY BASIC POWER NEEDS?**

END



VIDEO

The Circular Economy

DISCUSSION – HOW DO YOU FEEL ABOUT EMPLOYMENT OPPORTUNITIES IN YOUR COMMUNITY, ARE YOU ABLE TO BE SUCCESSFUL IN YOUR HOMETOWN?

GOOD

BAD

BRAINSTORM – WHAT CAN BE DONE TO IMPROVE LOCAL CAREER & ECONOMIC OPPORTUNITIES?

END



**RESEARCH – ARE THERE ANY ITEMS THAT ARE DESIGNED,
GROWN OR MANUFACTURED LOCALLY AS A FINISHED PRODUCT?**

**RESEARCH / DISCUSSION – ARE THERE ANY NATURAL / MANMADE
LANDMARKS, BUILDINGS, FACTORIES, SPACES, etc. THAT ADDS VALUE TO THE
COMMUNITY**

END



VIDEO

Is Inequality Inevitable

DISCUSSION – WHAT IS INCOME INEQUALITY???

DISCUSSION – HOW DOES IT EFFECT YOUR COMMUNITY???

END



VIDEO

What happens if you cut down all of a city's trees

Cities of the Future – The World in 2050

DISCUSSION – LOCAL GREEN DEVELOPMENT OPPORTUNITIES

e.g. Community Gardens...Renovate Abandoned
Building...Parks...Walking Trails...Re-purposed Community
Spaces...River Management...Clean-up & Trash Disposal, etc.

END



**REDUCE NEIGHBORHOOD CARBON FOOTPRINT
ADVOCATE TO PHASE-OUT FOSSIL FUEL SUBSIDIES
REDUCE PERSONAL WASTE**

DISCUSSION – LIST 4 WAYS TO REDUCE LOCAL CARBON FOOTPRINT

1.	2.
3	4



COLLABORATIVE RESEARCH TO EVALUATE, ANALYZE, DISCOVER...

A KNOWN-UNKNOWN: A STRONG BELIEF, WITHOUT ABSOLUTE PROOF, e.g.

1. in-ground gas tanks from an abandoned Gas Station may be leaking
2. residue from an abandoned factory may be hazardous
3. Quality of available Health or Social Support Services during Crisis Event

DISCUSSION – IDENTIFY FOUR LOCAL HEALTH / SOCIAL / ENVIRONMENTAL / ECONOMIC CONDITIONS THAT WARRANT ANALYSIS, A RESEARCH STUDY TO VERIFY / SUBSTANTIATE

1.	2.
3	4

END



VIDEO

What Earth in 2050 Could Look Like

RESEARCH / DISCUSSION

HOW WILL CLIMATE CHANGE EFFECT YOUR
COMMUNITY OVER THE NEXT 10-YEARS

END



VIDEO

Why We Need to Stop Plastic Pollution in Our Oceans FOR GOOD

**BRAINSTORM – WHAT CAN BE DONE LOCALLY
TO SUPPORT OCEAN SUSTAINABILITY**

END



VIDEO

Why soil is one of the most amazing things on Earth

**DISCUSSION – IN WHAT WAYS ARE LOCAL TERRESTRIAL
ECOSYSTEMS BEING THREATENED**

**BRAINSTORM – LIST SUGGESTIONS, COLLABORATIVE STRATEGIES
TO ADDRESS THREATS TO LOCAL TERRESTRIAL ECOSYSTEMS**

END

SELECT TOP 5 NEIGHBORHOOD CRIMES / SECURITY CHALLENGES

CRIMES CATEGORIES	PERPETRATOR Average Age	RATE 1 to 5 1 = Minimum Impact 5 = Maximum Impact	CRIMES CATEGORIES	PERPETRATOR Average Age	RATE 1 to 5 1 = Minimum Impact 5 = Maximum Impact
Shooting / Stabbing	__ Years Old		Commercial Burglary	__ Years Old	
Homicide	__ Years Old		Residential Burglary	__ Years Old	
Sexual Assault	__ Years Old		Retail Theft	__ Years Old	
Aggravated Assault	__ Years Old		Auto Theft	__ Years Old	
Domestic Abuse	__ Years Old		Identity Theft	__ Years Old	
Gang Activity / Violence	__ Years Old		Fraud	__ Years Old	
Armed Robbery	__ Years Old		Vandalism	__ Years Old	
Home Invasion	__ Years Old		Abduction / Kidnapping	__ Years Old	
Commercial Robbery	__ Years Old		Arson	__ Years Old	



VIDEO

How to Understand Power

**DISCUSSION – WHAT ARE THE PRIMARY ROOT CAUSE(S) OF VIOLENCE /
WITHIN THE NEIGHBORHOOD**

**BRAINSTORM – LIST SUGGESTIONS HOW EACH OF THE ROOT CAUSES OF
VIOLENCE IDENTIFIED ABOVE CAN BE MITIGATED**

END



BRAINSTORM – HOW CAN THE COMMUNITY CREATE LOCAL COLLABORATIVE PARTNERSHIPS AMONG VARIOUS AGE, GENDER, CULTURAL & ETHNIC GROUPS; YOUTH, ELDERLY, MIGRANTS, etc.

BRAINSTORM – HOW CAN WE GET STATE & FEDERAL GOVERNMENT AGENCIES INVOLVED IN LOCAL SUSTAINABLE DEVELOPMENT EFFORTS

END