



SUSTAINABLE DEVELOPMENT GOALS

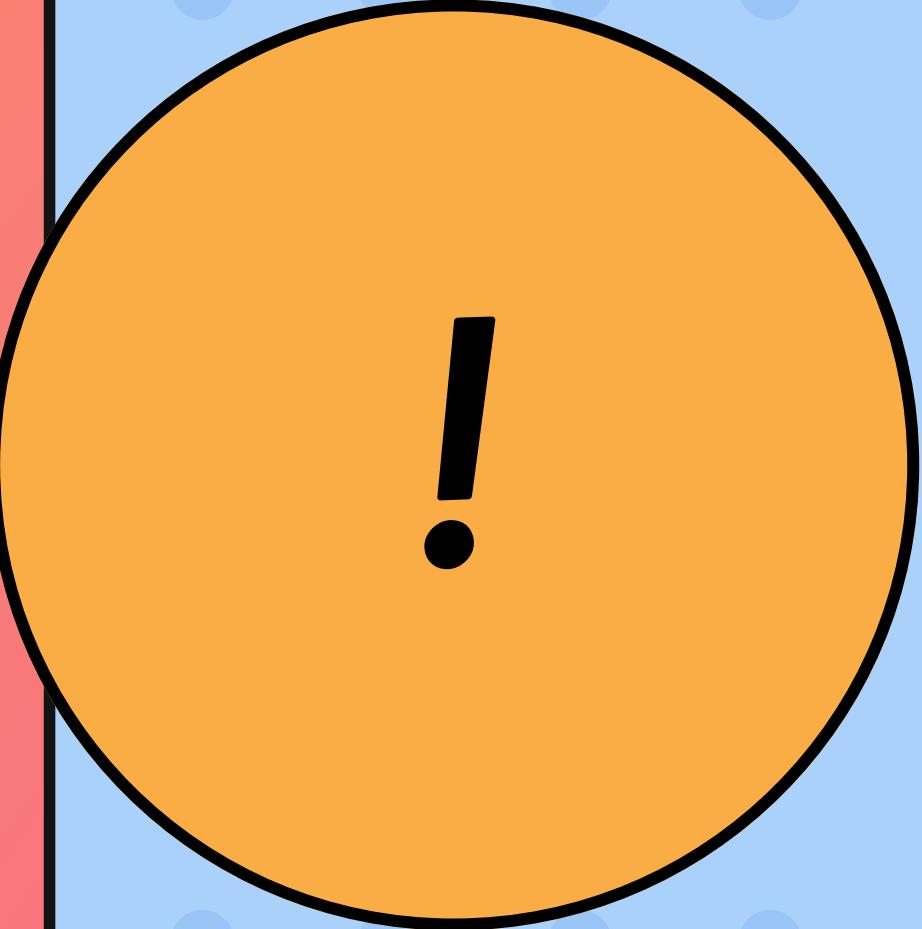
**PRESENTED TO
YOU BY**

Genalyn Joy M. Raguin
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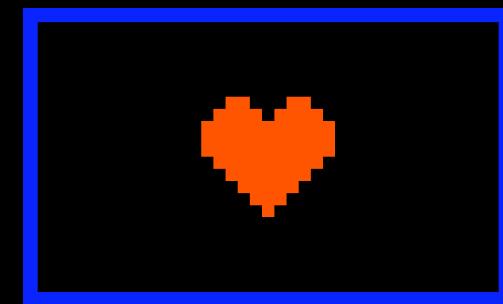
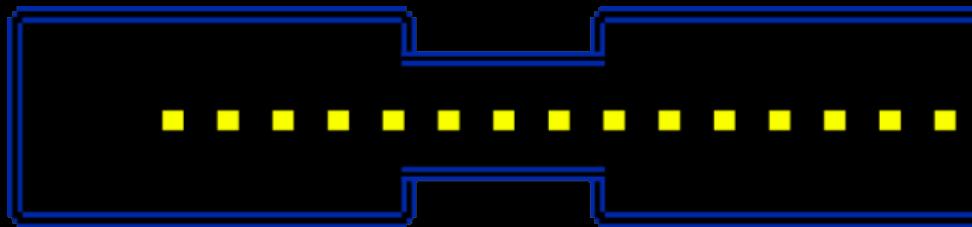
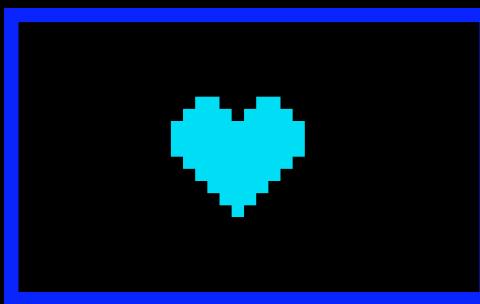
Eric A. Rodriguez
John Allen Llaguno Medioro
Leo Neil Carullo

**OBJECTIVES: BY THE END OF THIS LESSON, YOU WILL BE ABLE
TO:**

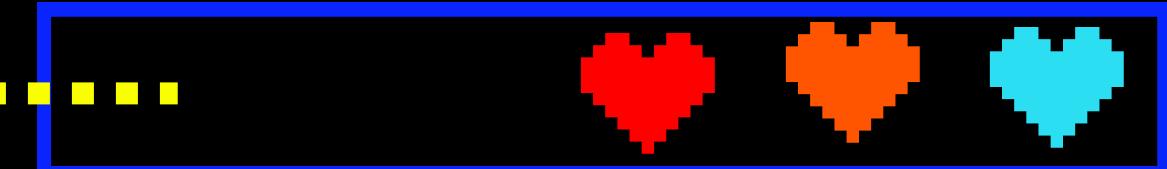
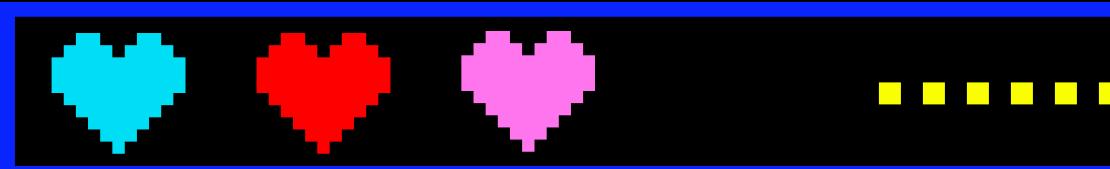
- **IDENTIFY THE 17 SUSTAINABLE DEVELOPMENT GOALS (SDGS) AND THEIR IMPORTANCE.**
- **EXPLAIN THE RELATIONSHIP BETWEEN CLIMATE CHANGE, ENERGY CONSERVATION, AND SUSTAINABLE DEVELOPMENT.**
- **DESCRIBE VARIOUS TOOLS, SYSTEMS, AND INNOVATIONS THAT PROMOTE SUSTAINABILITY.**
- **EVALUATE SUSTAINABLE PRACTICES AND THEIR IMPACT ON THE ENVIRONMENT AND SOCIETY.**

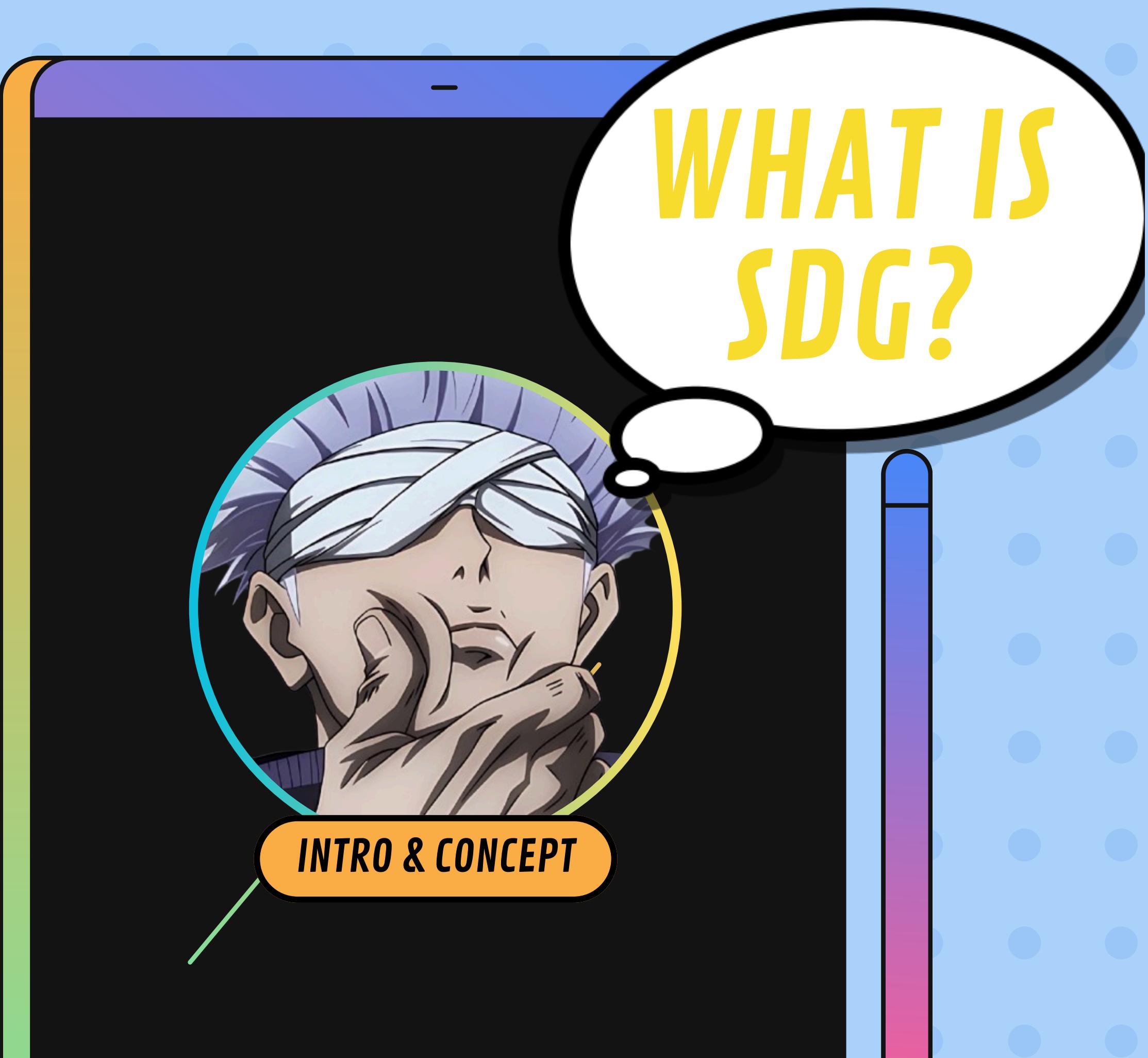


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- SUSTAINABLE DEVELOPMENT IS DEFINED AS DEVELOPMENT THAT MEETS THE NEEDS OF THE PRESENT WITHOUT COMPROMISING THE ABILITY OF FUTURE GENERATIONS TO MEET THEIR OWN NEEDS.
- SUSTAINABLE DEVELOPMENT CALLS FOR CONCERTED EFFORTS TOWARDS BUILDING AN INCLUSIVE, SUSTAINABLE AND RESILIENT FUTURE FOR PEOPLE AND PLANET.

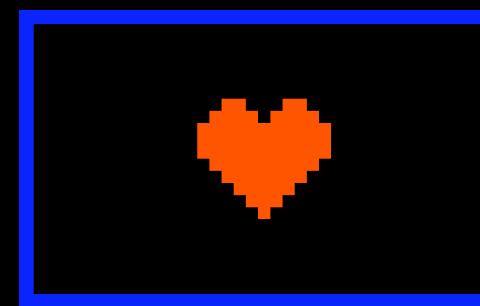
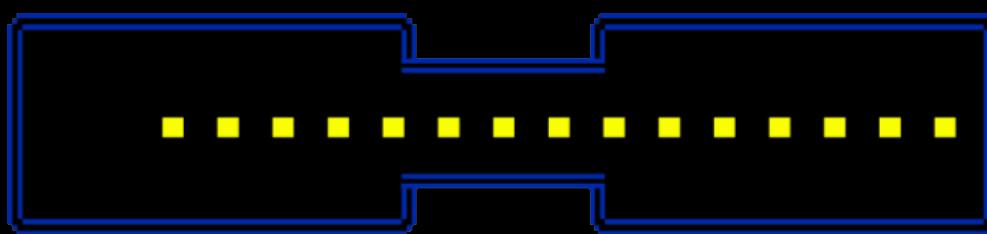
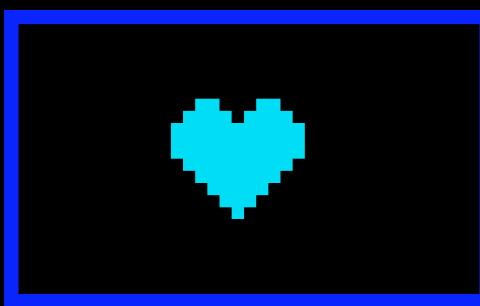




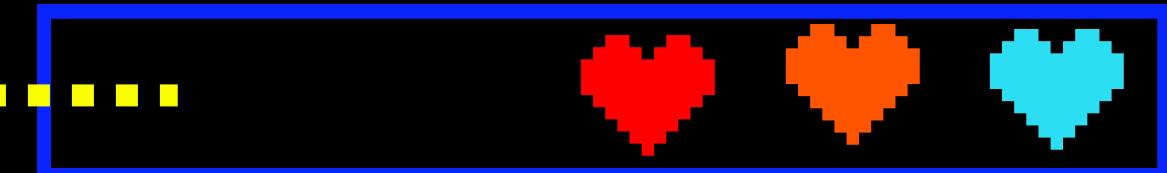
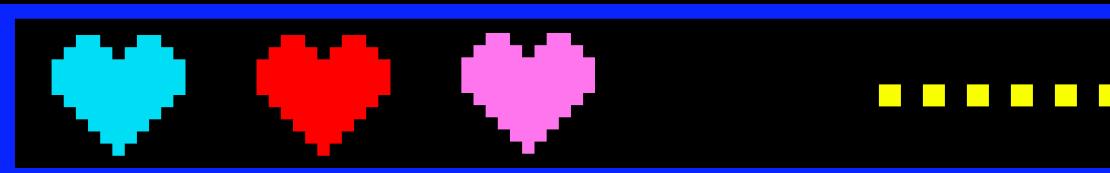
**WHAT IS
SDG?**

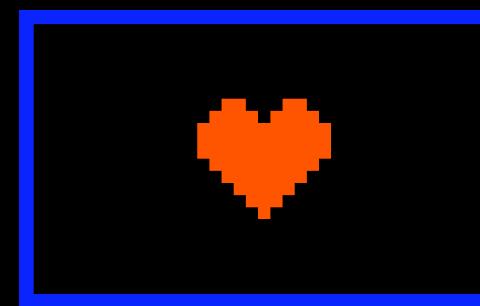
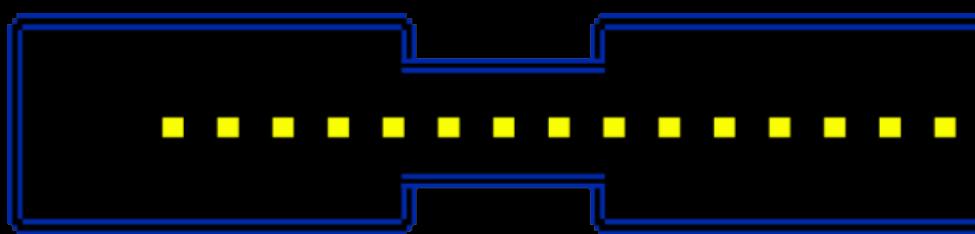
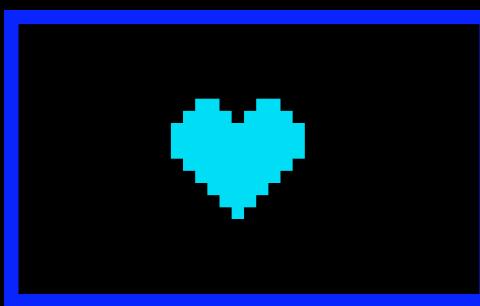


INTRO & CONCEPT

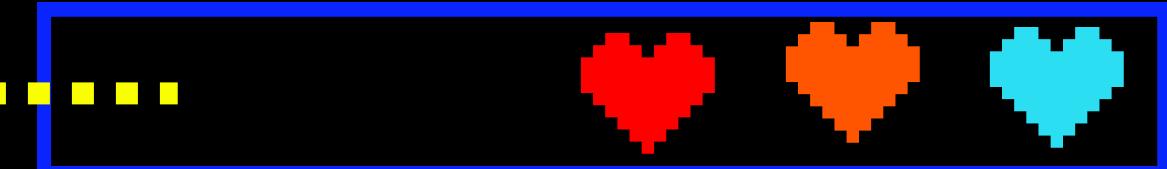
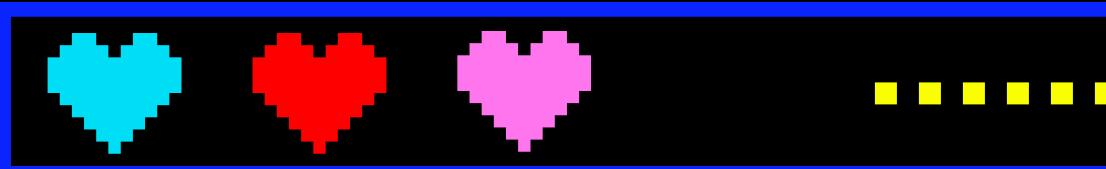


IN 2012, THE UNITED NATIONS(UN) ADOPTED A SET OF AMBITIOUS GOALS AIMED AT ADDRESSING THE WORLD'S MOST PRESSING CHALLENGES. THESE GOALS, KNOWN AS THE SUSTAINABLE DEVELOPMENT GOALS (SDGS), PROVIDE A UNIVERSAL FRAMEWORK FOR SUSTAINABLE DEVELOPMENT, ENCOMPASSING ECONOMIC GROWTH, SOCIAL INCLUSION, AND ENVIRONMENTAL PROTECTION.





THE SDGS ARE A BLUEPRINT FOR A BETTER FUTURE, A WORLD WHERE POVERTY, HUNGER, INEQUALITY, AND ENVIRONMENTAL DEGRADATION ARE ERADICATED. THEY ARE INTERCONNECTED AND INTERDEPENDENT, RECOGNIZING THAT PROGRESS IN ONE AREA IS OFTEN LINKED TO PROGRESS IN OTHERS.





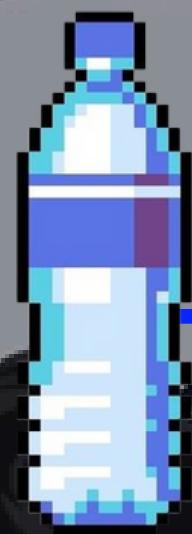
17 Goals of Sustainable Development

LET'S-A-GO!



NO POVERTY

End poverty in all its forms everywhere.



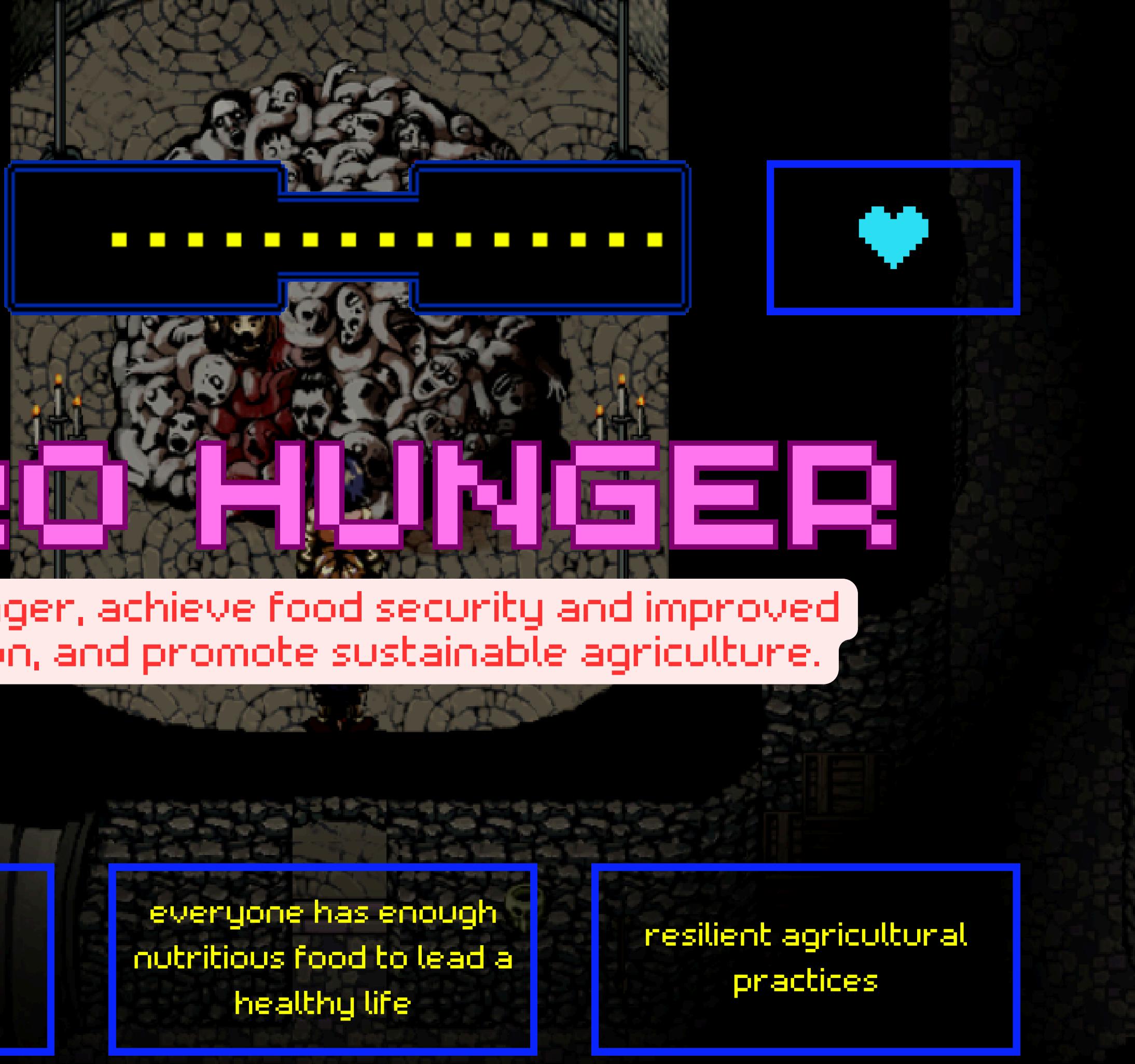
clean water



food



education



ZERO HUNGER

End hunger, achieve food security and improved nutrition, and promote sustainable agriculture.

sustainable food
production systems

everyone has enough
nutritious food to lead a
healthy life

resilient agricultural
practices

Attack

Weak



.....

GOOD HEALTH AND WELL-BEING

Ensure healthy lives and promote well-being for all at all ages.

Callara

reduce maternal and child mortality

Enki

D'arce



Body



combating diseases



Body



Body

96

100

89

92

Mind

Mind

Mind

Mind

98

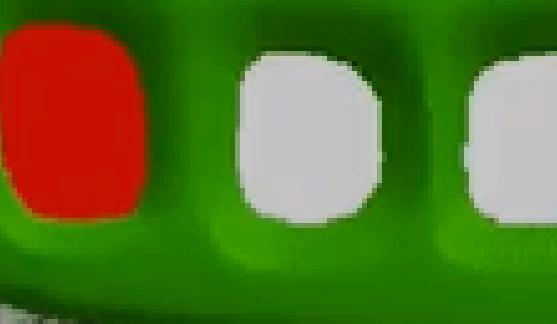
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access to quality health care and essential medicines





QUALITY EDUCATION

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

free, equitable, and quality primary and secondary education

affordable vocational training

affordable higher education



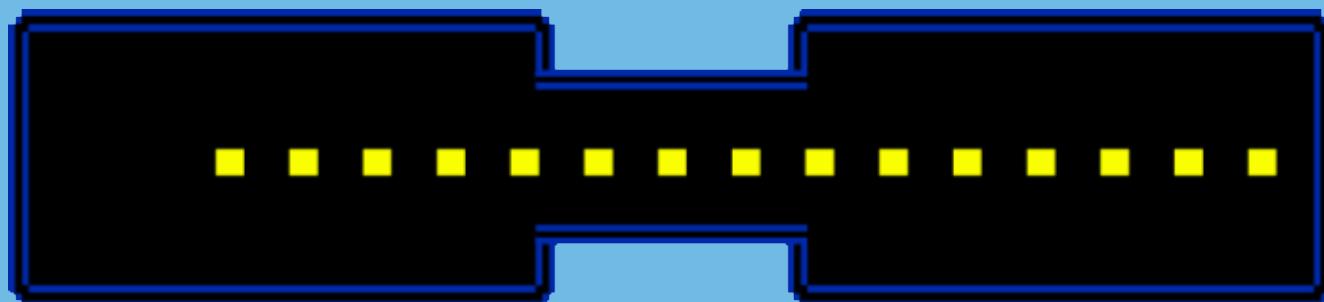
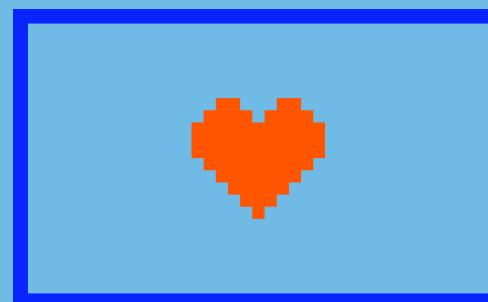
GENDER EQUALITY

Achieve gender equality and empower all women and girls

eliminate discrimination against women

eliminate violence against women

equal access to education and opportunities



CLEAN WATER AND SANITATION

Ensure availability and sustainable management of
water and sanitation for all

safe and affordable
drinking water

sanitation facilities

hygiene practices



AFFORDABLE AND CLEAN ENERGY

Ensure access to affordable, reliable, sustainable,
and modern energy for all.

transition to renewable
energy sources

improve energy
efficiency

combat climate change



DECENT WORK AND ECONOMIC GROWTH

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



YellowishFan506

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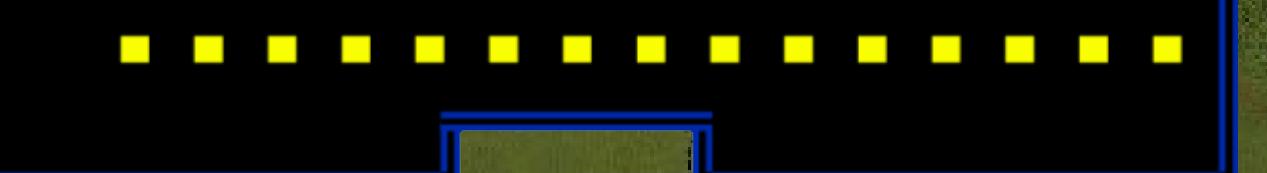
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INDUSTRY, INNOVATION, AND INFRASTRUCTURE

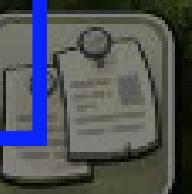
Build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation

invest in technology and infrastructure

sustainable industrial development

economic growth

Attack!



REDUCED INEQUALITY

Reduce inequality within and among countries.

empower marginalized
communities

promote policies that
improve the economic
situation of all people

ensure equal
opportunities

SUSTAINABLE CITIES AND COMMUNITIES

Make cities and human settlements inclusive, safe, resilient, and sustainable.

access to safe and
affordable housing

sustainable transport
systems

public spaces

RESPONSIBLE CONSUMPTION AND PRODUCTION

Ensure sustainable consumption and production patterns.

resource and energy efficiency

sustainable practices in businesses

reducing waste generation



Take urgent action to combat climate change and its impacts.

global cooperation

reduce greenhouse gas emissions

build resilience to climate-related hazards



LIFE BELOW WATER

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

marine biodiversity

ecosystem

healthy marine
environment



LIFE ON LAND

Protect, restore, and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.

protect natural habitats

sustainable land use
practices

combat deforestation
and biodiversity loss

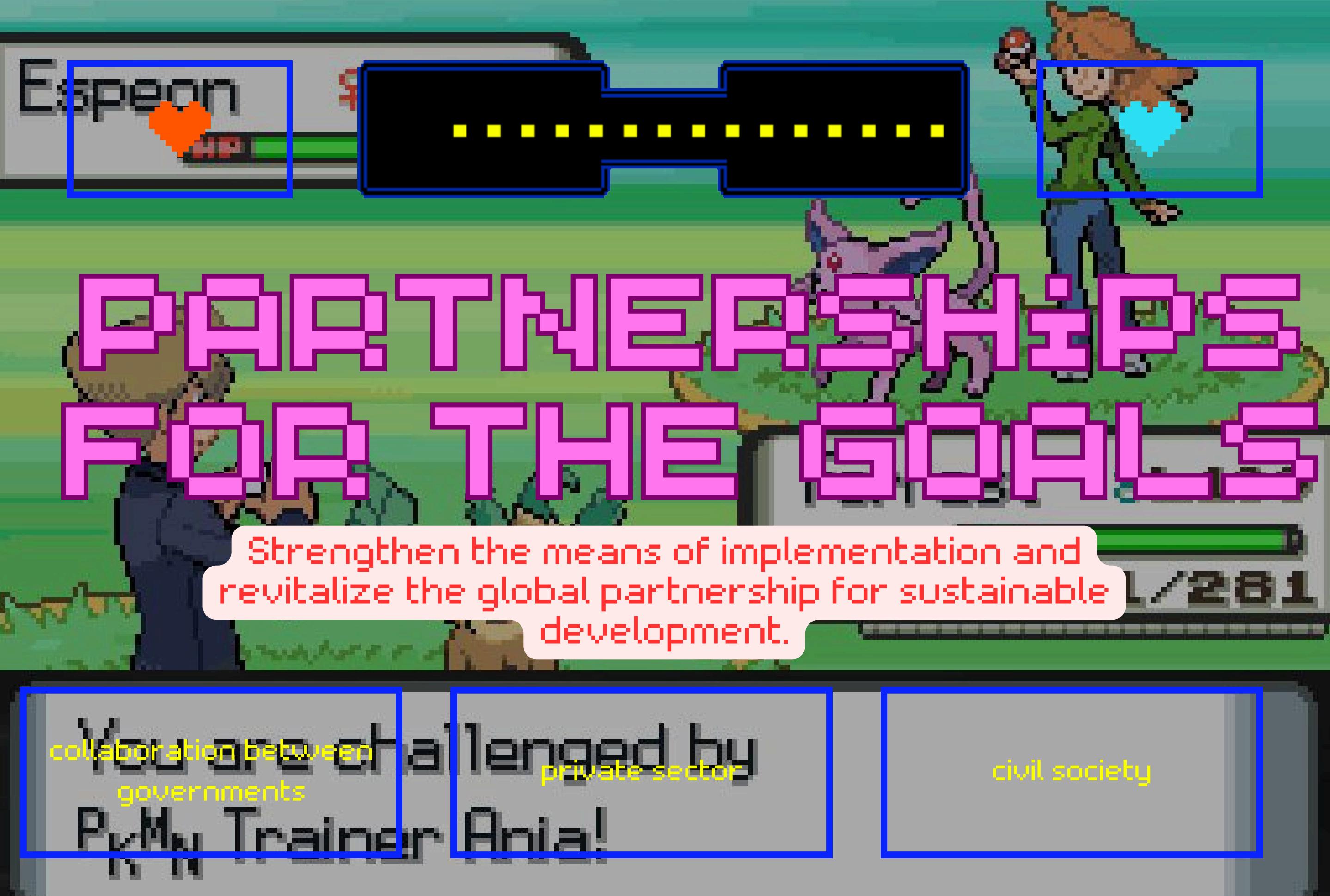
PEACE, JUSTICE, AND STRONG INSTITUTIONS

Promote peaceful and inclusive societies for sustainable development, provide access to justice for all, and build effective, accountable, and inclusive institutions at all levels.

reduce violence

reduce corruption

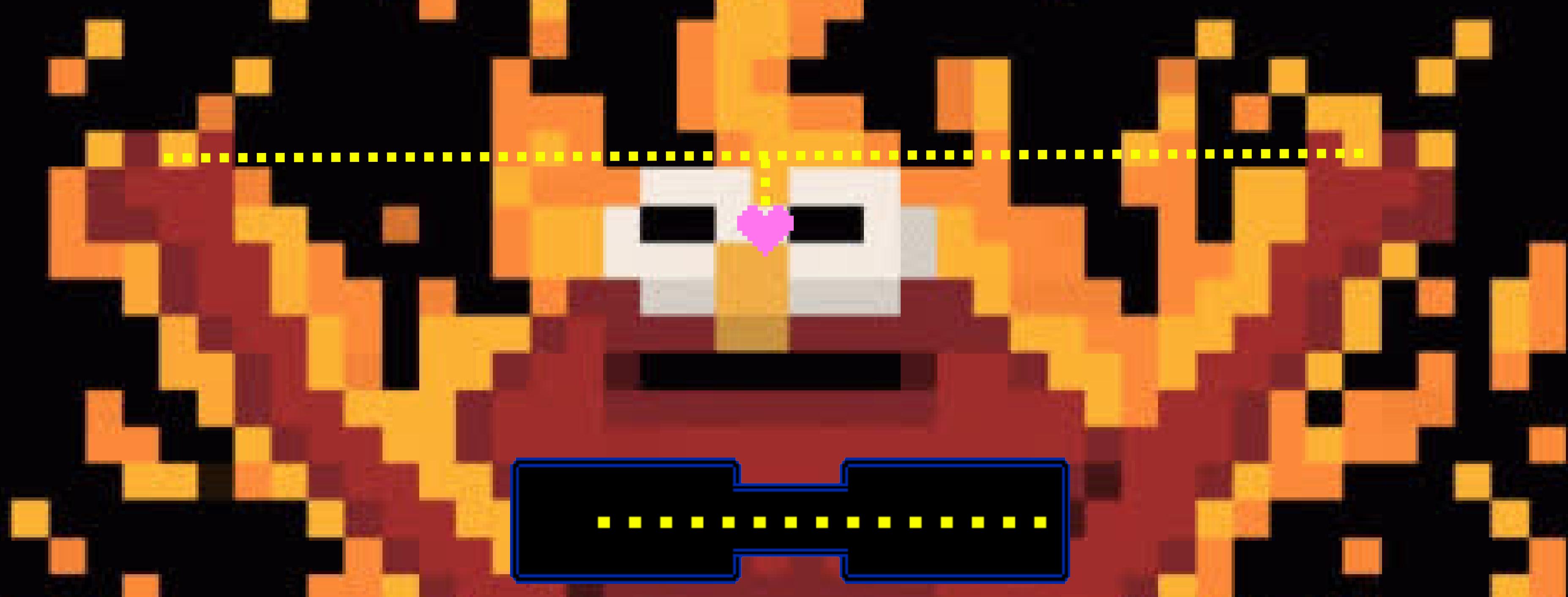
ensure equal access to justice for all individuals



CLIMATE CHANGE, ENERGY CONSERVATIONS, AND SUSTAINABLE DEVELOPMENT



CLIMATE CHANGE





Rising Global
Temperature



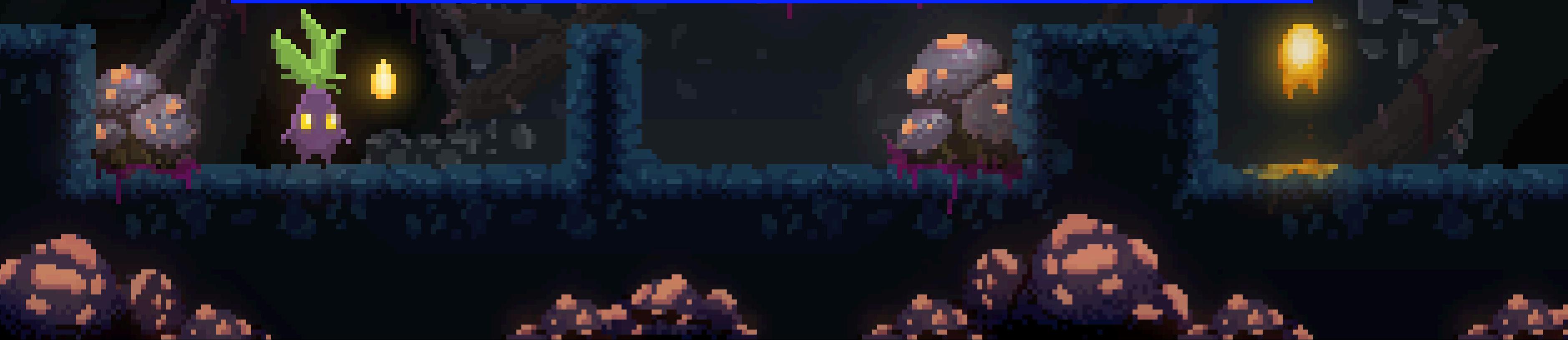
Rising Sea Levels
- Displaced
Population &
Economic
Development



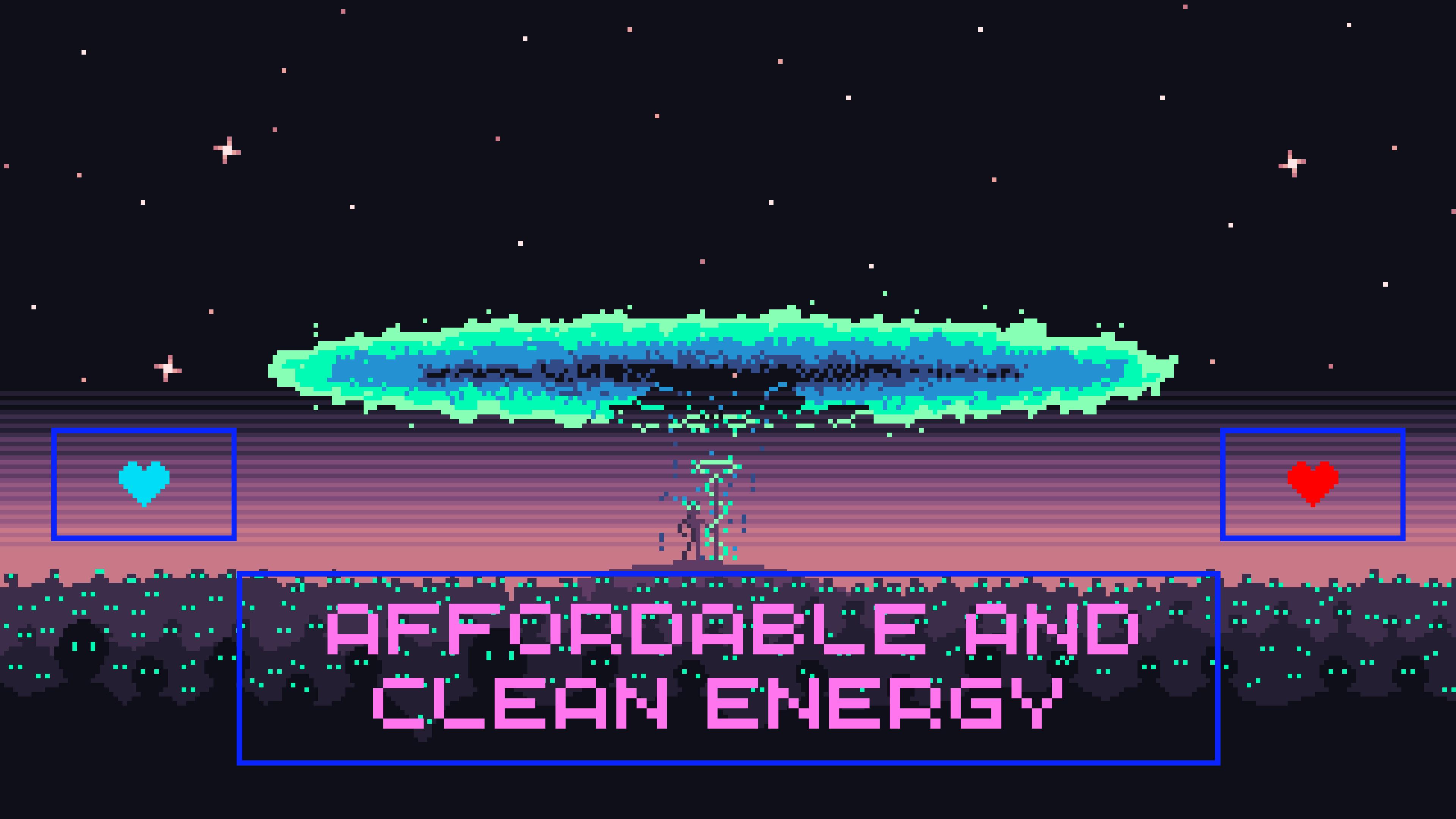
Extreme
Weather Events -
Agriculture &
Food Security



CLIMATE ACTION







**AFFORDABLE AND
CLEAN ENERGY**



Fossil



RENEWABLE





Fossil



RENEWABLE



Hydropower



Ocean energy



Bioenergy



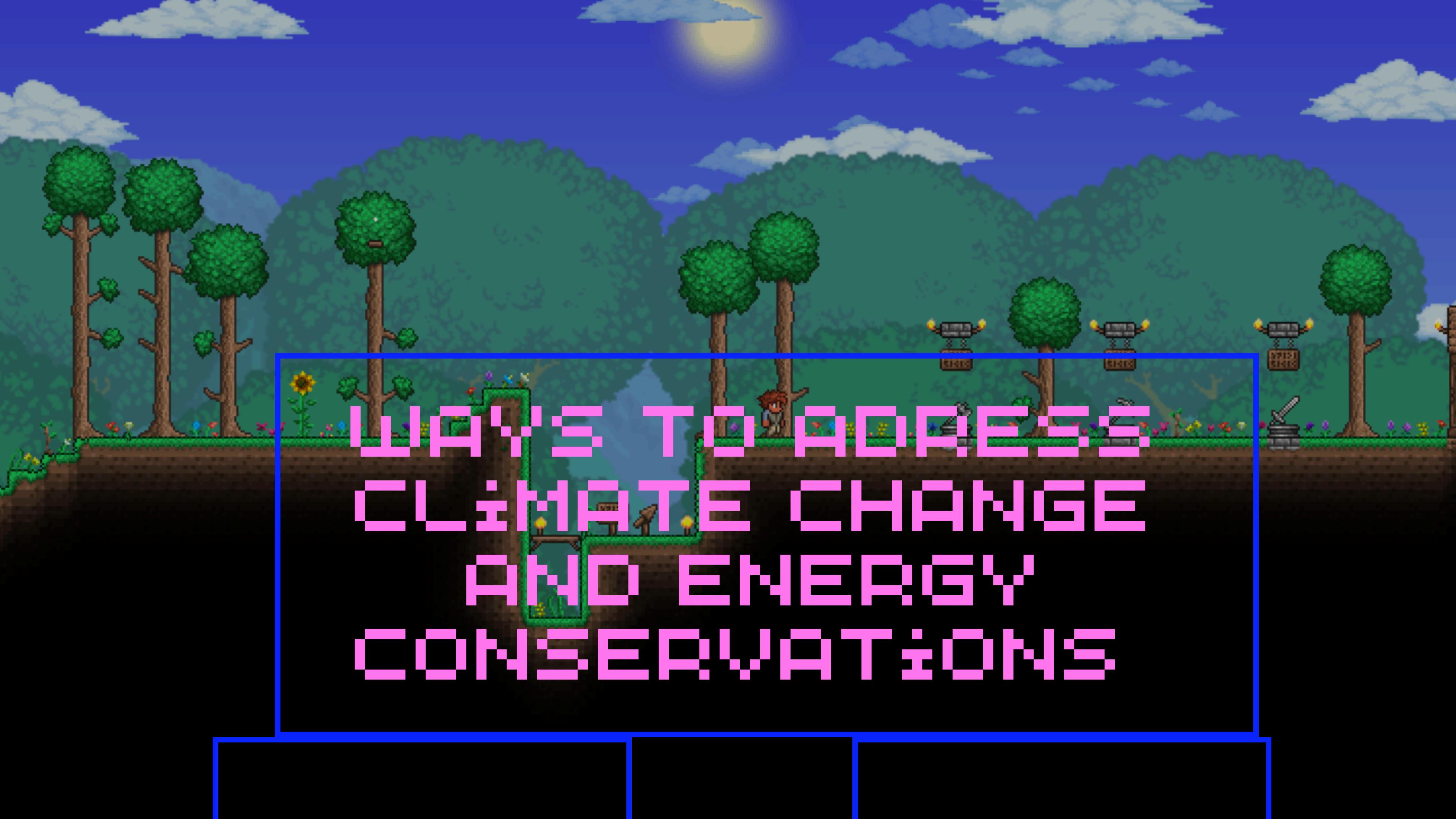
Solar Energy



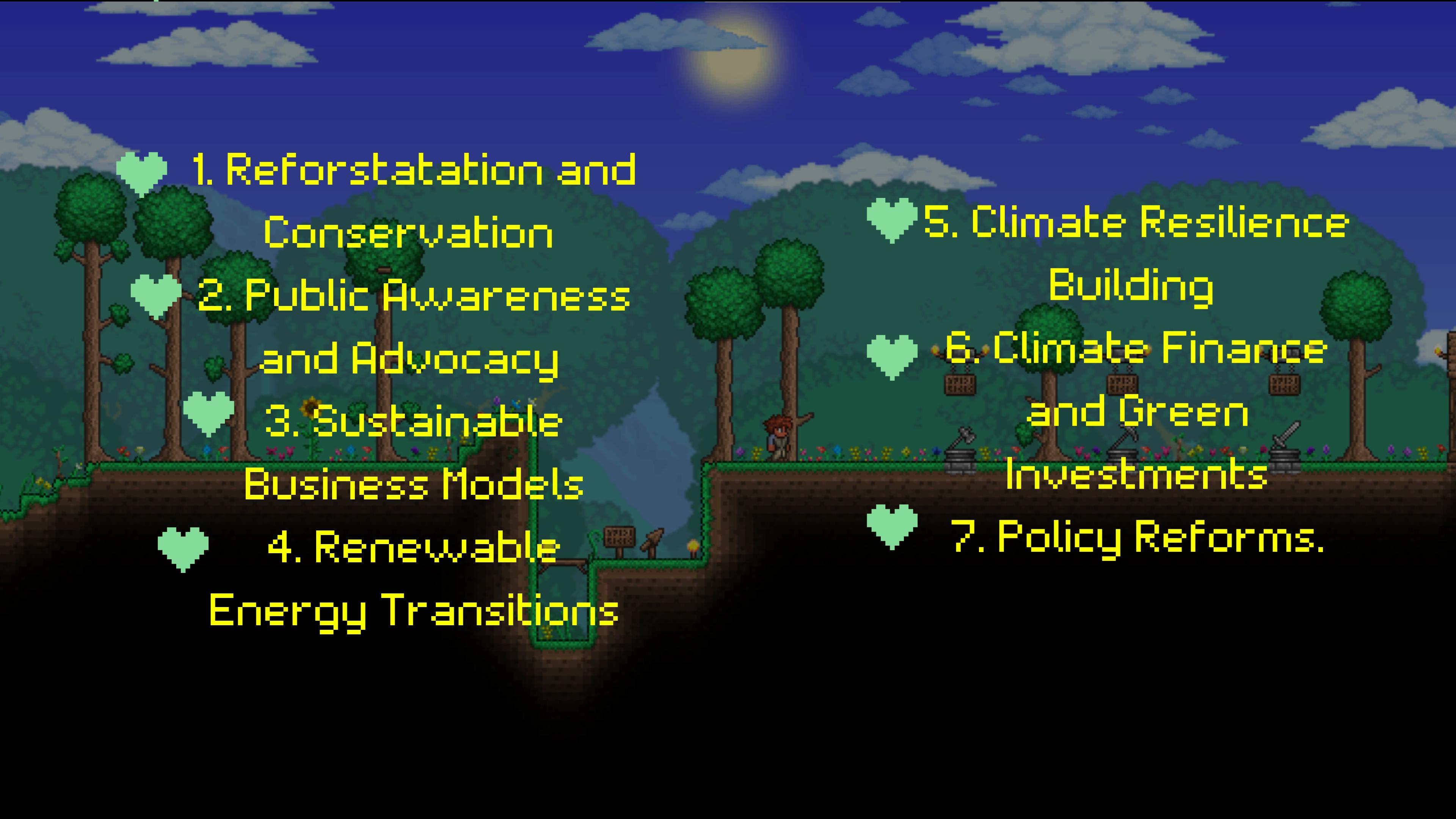
Wind Energy



Geothermal
Energy



Ways to address CLIMATE CHANGE and ENERGY CONSERVATIONS



1. Reforestation and Conservation

2. Public Awareness and Advocacy

3. Sustainable Business Models

4. Renewable Energy Transitions

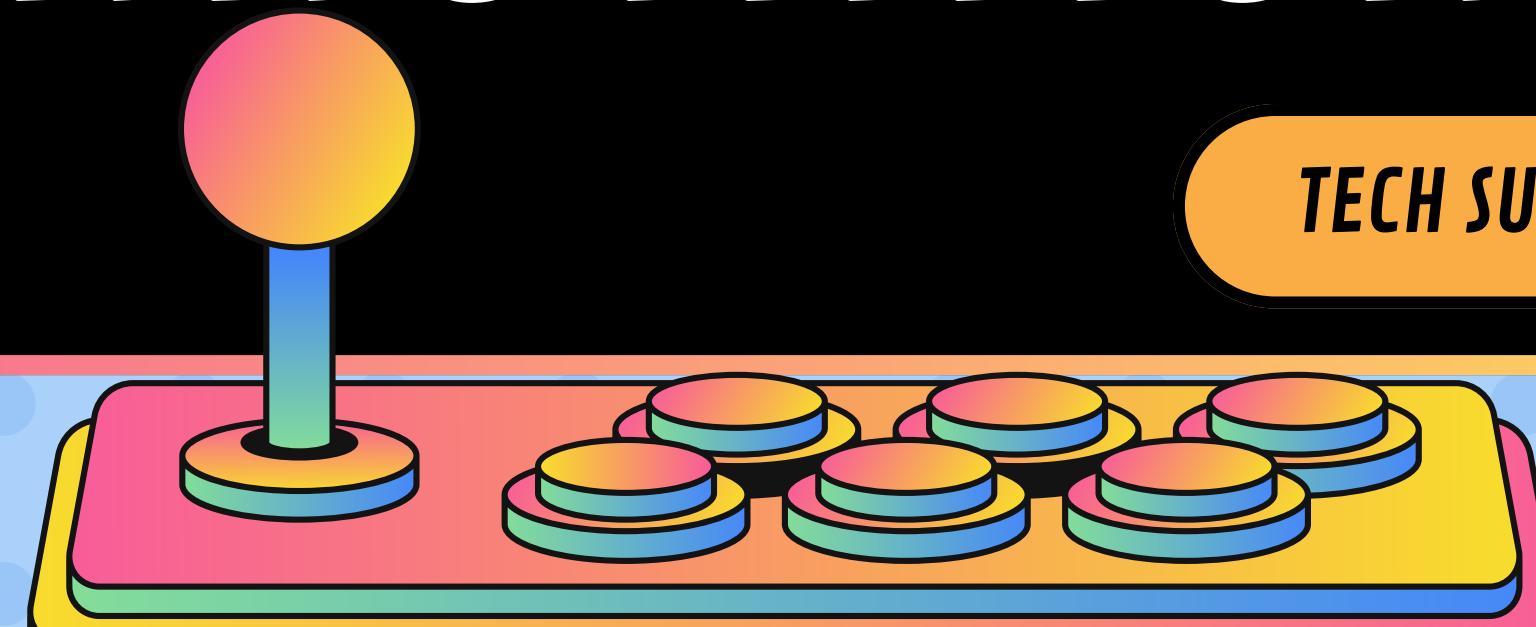
5. Climate Resilience Building

6. Climate Finance and Green Investments

7. Policy Reforms.



TOOLS, SYSTEM, AND INNOVATIONS



TECH SUPPORT

PARAGRAPH 70 OF THE 2030 AGENDA FOR SUSTAINABLE DEVELOPMENT ANNOUNCED THE LAUNCH OF A "TECHNOLOGY FACILITATION MECHANISM" (TFM) IN ORDER TO SUPPORT THE IMPLEMENTATION OF THE SUSTAINABLE DEVELOPMENT GOALS (SDGS). THE TFM HAS THREE COMPONENTS:

1. A UNITED NATIONS INTERAGENCY TASK TEAM ON SCIENCE, TECHNOLOGY AND INNOVATION FOR THE SDGS (IATT), INCLUDING THE 10-MEMBER GROUP OF REPRESENTATIVES FROM CIVIL SOCIETY, THE PRIVATE SECTOR AND THE SCIENTIFIC COMMUNITY
2. A COLLABORATIVE MULTI-STAKEHOLDER FORUM ON SCIENCE, TECHNOLOGY AND INNOVATION FOR THE SDGS (STI FORUM)
3. AN ONLINE PLATFORM AS A GATEWAY FOR INFORMATION ON EXISTING STI INITIATIVES, MECHANISMS AND PROGRAMS

THE UN PLAYS A PIVOTAL ROLE IN DRIVING DIGITAL TRANSFORMATION FOR SUSTAINABLE DEVELOPMENT, GUIDED BY SIX KEY STRATEGIES:

- CONVENER: ORGANIZES KEY FORUMS LIKE THE AI FOR GLOBAL GOOD SUMMIT, BROADBAND COMMISSION, AND THE STI FORUM TO FOSTER DIALOGUE ON TECHNOLOGY'S ROLE IN GLOBAL DEVELOPMENT.
- DEBATING VALUES AND NORMS: PROVIDES PLATFORMS LIKE THE INTERNET GOVERNANCE FORUM (IGF) AND INITIATIVES LIKE UNESCO'S AI WITH HUMAN VALUES AND UNICEF'S ONLINE CHILD SAFETY EFFORTS TO DISCUSS ETHICAL AND NORMATIVE CHALLENGES.
- STANDARD SETTING: ESTABLISHES GLOBAL STANDARDS THROUGH BODIES LIKE THE ITU'S TELECOMMUNICATION STANDARDIZATION SECTOR, WHO'S DIGITAL HEALTH GUIDELINES, AND PLATFORMS LIKE THE HUMANITARIAN DATA EXCHANGE.
- MULTI-STAKEHOLDER INITIATIVES: SUPPORTS COLLABORATIONS SUCH AS EQUALS (GENDER EQUALITY IN THE DIGITAL AGE), FAMINE ACTION MECHANISM, AND THE UN GLOBAL COMPACT'S INNOVATION FOR SDGS ACTION PLATFORM.
- CAPACITY BUILDING: ENHANCES MEMBER STATES' CAPABILITIES THROUGH INITIATIVES LIKE UNDP'S ACCELERATOR LABS, TECHNOLOGY FACILITATION MECHANISM, AND UN GLOBAL PULSE LABS.
- MEASURING AND ARBITRATION: CONDUCTS GLOBAL ASSESSMENTS LIKE THE E-GOVERNMENT SURVEY AND HANDLES ARBITRATION VIA BODIES LIKE WIPO'S INTERNET DOMAIN NAME PROCESS AND UNCITRAL.

THE IATT SUB-GROUP ON GENDER AND SCIENCE, TECHNOLOGY, AND INNOVATION (STI), FORMED IN 2018, AIMS TO ENHANCE COLLABORATION AMONG UN. SEVERAL INITIATIVES CONTRIBUTE TO THIS AGENDA:

- GENDER EQUALITY OBSERVATORY (ECLAC) - A PLATFORM FOR TRACKING AND ANALYZING GENDER STATISTICS IN LATIN AMERICA AND THE CARIBBEAN.
- ICGEB FELLOWSHIP PROGRAMS - RESEARCH FELLOWSHIPS IN BIOTECHNOLOGY, SIGNIFICANTLY PROMOTING FEMALE PARTICIPATION IN LIFE SCIENCES RESEARCH.
- INTERNATIONAL GENDER CHAMPIONS NETWORK (ITC) - A GLOBAL INITIATIVE BREAKING DOWN GENDER BARRIERS, WITH A THEMATIC FOCUS ON TRADE AND GENDER EMPOWERMENT.
- EQUALS (ITU) - A GLOBAL NETWORK IMPROVING WOMEN'S ACCESS TO TECHNOLOGY, PROMOTING DIGITAL SKILLS, AND FOSTERING FEMALE LEADERSHIP IN TECH SECTORS.
- AFRICAN GIRLS CAN CODE INITIATIVE (ITU, UN WOMEN) - A PROGRAM EQUIPPING AFRICAN GIRLS AND YOUNG WOMEN WITH DIGITAL LITERACY AND CODING SKILLS.

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- HARNESSING TECHNOLOGY TO COMBAT VIOLENCE AGAINST WOMEN (ESCWA) - USING TECHNOLOGY AS A TOOL TO TACKLE GENDER VIOLENCE AND PROMOTE SAFE URBAN ENVIRONMENTS.
- L'ORÉAL-UNESCO FOR WOMEN IN SCIENCE PROGRAM - FELLOWSHIPS SUPPORTING WOMEN IN SCIENTIFIC RESEARCH GLOBALLY, PROMOTING GENDER EQUALITY IN STEM.
- GIRLS GOT IT (UNICEF) - AN INITIATIVE PROVIDING MARGINALIZED GIRLS WITH EXPOSURE TO STEM CAREERS, ESPECIALLY IN REFUGEE AND DISADVANTAGED COMMUNITIES.
- TECHNOGIRL PROGRAM (UNICEF) - A PUBLIC-PRIVATE PARTNERSHIP OFFERING JOB-SHADOWING AND MENTORSHIP OPPORTUNITIES FOR GIRLS INTERESTED IN STEM CAREERS.
- SPACE FOR WOMEN PROJECT (UNOOSA) - A PROGRAM PROMOTING GENDER EQUALITY IN SPACE SCIENCE AND TECHNOLOGY THROUGH EDUCATION, CAPACITY-BUILDING, AND MENTORSHIP.
- H₂GROW (WFP) - A HYDROPONIC FARMING SOLUTION TAILORED FOR CHALLENGING ENVIRONMENTS, EMPOWERING WOMEN BY ENABLING FOOD PRODUCTION AND INCOME GENERATION.

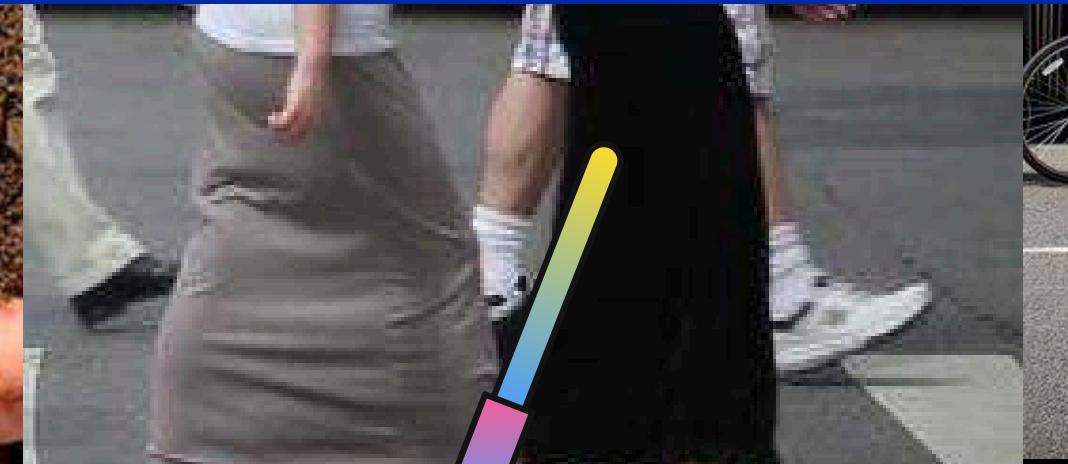
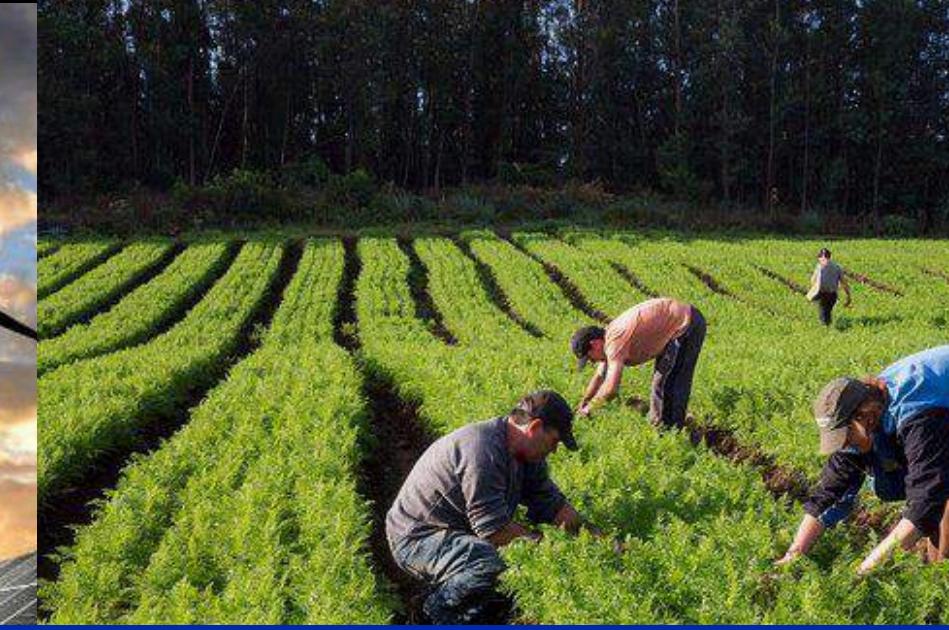
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- ECLAC (ECONOMIC COMMISSION FOR LATIN AMERICA AND THE CARIBBEAN) PROMOTES GENDER EQUALITY POLICIES IN LATIN AMERICA AND THE CARIBBEAN, WITH A FOCUS ON PRODUCING GENDER STATISTICS AND SUPPORTING GOVERNMENT CAPACITY.
- ICGEB (INTERNATIONAL CENTRE FOR GENETIC ENGINEERING AND BIOTECHNOLOGY) FOSTERS SCIENTIFIC RESEARCH, OFFERING FELLOWSHIPS WITH A SIGNIFICANT NUMBER OF FEMALE RESEARCHERS IN BIOTECHNOLOGY.
- ITC (INTERNATIONAL TRADE CENTRE) HELPS SMALL AND MEDIUM ENTERPRISES (SMEs), ESPECIALLY THOSE LED BY WOMEN, ACCESS INTERNATIONAL MARKETS THROUGH INITIATIVES LIKE THE INTERNATIONAL GENDER CHAMPIONS NETWORK.
- ITU (INTERNATIONAL TELECOMMUNICATION UNIONLEADS) GLOBAL EFFORTS FOR GENDER EQUALITY IN TECH THROUGH PROGRAMS LIKE EQUALS AND THE AFRICAN GIRLS CAN CODE INITIATIVE.

SUSTAINABLE PRACTICES



SUSTAINABLE PRACTICES INVOLVE
MAKING CONSCIOUS DECISIONS
THAT MINIMIZE HARM TO THE
ENVIRONMENT, CONSERVE NATURAL
RESOURCES, AND PROMOTE SOCIAL
EQUITY.



IN AGRICULTURE:

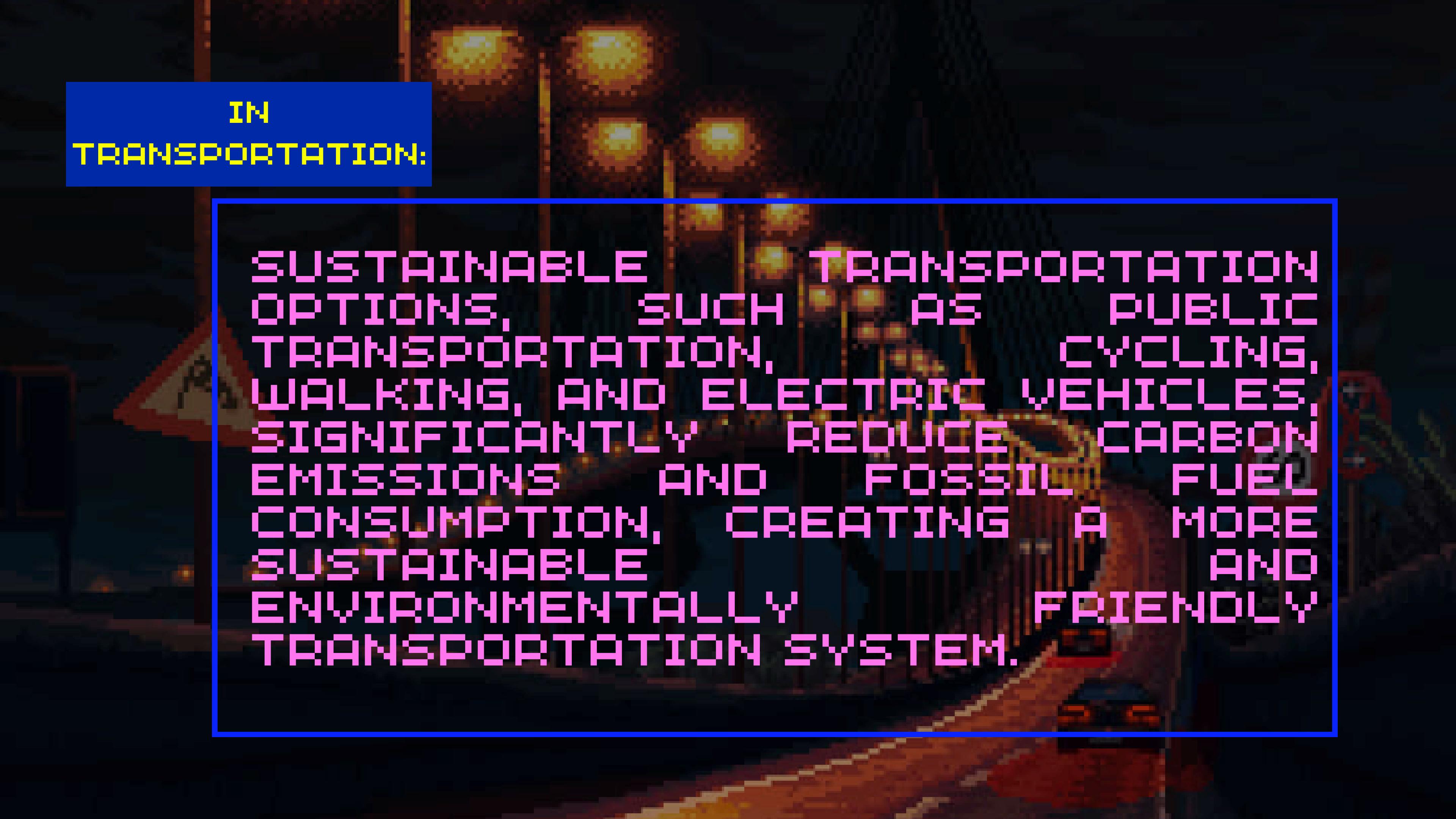
ORGANIC FARMING IS A SUSTAINABLE AGRICULTURAL SYSTEM THAT EMPHASIZES THE USE OF NATURAL INPUTS AND PRACTICES TO PRODUCE FOOD WHILE MINIMIZING NEGATIVE IMPACTS ON THE ENVIRONMENT AND HUMAN HEALTH. THIS SUSTAINABLE PRACTICE AVOIDS THE USE OF SYNTHETIC PESTICIDES AND FERTILIZERS, PROMOTING SOIL HEALTH AND BIODIVERSITY.

IN ENERGY:

TRANSITIONING TO RENEWABLE ENERGY SOURCES LIKE SOLAR, WIND, AND HYDROELECTRIC POWER IS CRUCIAL FOR A SUSTAINABLE FUTURE. BY REDUCING OUR RELIANCE ON FOSSIL FUELS, WE CAN SIGNIFICANTLY DECREASE GREENHOUSE GAS EMISSIONS AND MITIGATE CLIMATE CHANGE. IMPLEMENTING ENERGY EFFICIENCY MEASURES, SUCH AS USING ENERGY-SAVING APPLIANCES AND IMPROVING INSULATION, FURTHER ENHANCES SUSTAINABILITY BY REDUCING ENERGY CONSUMPTION.

IN WASTE MANAGEMENT:

RECYCLING AND COMPOSTING ARE SUSTAINABLE PRACTICES THAT REDUCE THE AMOUNT OF WASTE SENT TO LANDFILLS, CONSERVE NATURAL RESOURCES, AND CREATE NEW PRODUCTS FROM RECYCLED MATERIALS. THE CONCEPT OF ZERO WASTE, WHICH AIMS TO ELIMINATE WASTE THROUGH CAREFUL PLANNING AND RESOURCEFUL THINKING, IS ANOTHER EXAMPLE OF A SUSTAINABLE APPROACH THAT PROMOTES ENVIRONMENTAL RESPONSIBILITY AND REDUCES THE NEED FOR LANDFILL SPACE.



IN TRANSPORTATION:

SUSTAINABLE TRANSPORTATION OPTIONS, SUCH AS PUBLIC TRANSPORTATION, CYCLING, WALKING, AND ELECTRIC VEHICLES, SIGNIFICANTLY REDUCE CARBON EMISSIONS AND FOSSIL FUEL CONSUMPTION, CREATING A MORE SUSTAINABLE AND ENVIRONMENTALLY FRIENDLY TRANSPORTATION SYSTEM.

**THANKS FOR
LISTENING!**

END



REFERENCES

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- [HTTPS://WWW.UN.ORG/SUSTAINABLEDEVELOPMENT/?FBCLID=IWZKHOBGNHZWOCMTEAAROIVTVRBGSWINLZUEYIFHO4GSLISVSWELMPURHISKG_NVSCYUNUSAULTAI_AEM_XHD-JK8UJUZGVSYHPUEC70](https://www.un.org/sustainabledevelopment/?FBCLID=IWZKHOBGNHZWOCMTEAAROIVTVRBGSWINLZUEYIFHO4GSLISVSWELMPURHISKG_NVSCYUNUSAULTAI_AEM_XHD-JK8UJUZGVSYHPUEC70)
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- [HTTPS://WWW.UN.ORG/EN/CLIMATECHANGE/SCIENCE/CAUSES-EFFECTS-CLIMATE-CHANGE#:~:TEXT=CLIMATE%20CHANGE%20IS%20THE%20SINGLE,GROW%20OR%20FIND%20SUFFICIENT%20FOOD](https://www.un.org/en/climatechange/science/causes-effects-climate-change#:~:text=CLIMATE%20CHANGE%20IS%20THE%20SINGLE,GROW%20OR%20FIND%20SUFFICIENT%20FOOD)
- [HTTPS://CLIMATE.NASA.GOV/VITAL-SIGNS/SEA-LEVEL/?INTENT=121#:~:TEXT=GLOBAL%20SEAS%20LEVELS%20ARE%20RISING,OF%20SEAWATER%20AS%20IT%20WARS.](https://climate.nasa.gov/vital-signs/sea-level/?INTENT=121#:~:TEXT=GLOBAL%20SEAS%20LEVELS%20ARE%20RISING,OF%20SEAWATER%20AS%20IT%20WARS)
- [HTTPS://WWW.SCIENCEDIRECT.COM/SCIENCE/ARTICLE/PII/S2211467X2400027#:~:TEXT=THE%20RENEWABLE%20ENERGY%20TRANSITION%20THEREFORE,ACTIONS%20FOR%20REDUCING%20ENERGY%20POVERTY.](https://www.sciencedirect.com/science/article/pii/S2211467X2400027#:~:TEXT=THE%20RENEWABLE%20ENERGY%20TRANSITION%20THEREFORE,ACTIONS%20FOR%20REDUCING%20ENERGY%20POVERTY.)



