

# Caring For the Earth: A Strategy for Sustainable Economic Development in Anambra State

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## ABSTRACT

*This study proposes a comprehensive strategy for caring for the earth and promoting sustainable economic development in Anambra State, Nigeria. The strategy addresses key environmental challenges such as deforestation, water pollution, air pollution, and climate change. It outlines five pillars: protecting and restoring natural resources, reducing pollution, adapting to climate change, promoting sustainable tourism, and engaging stakeholders. By implementing this strategy, Anambra State can create a thriving and resilient economy that benefits both present and future generations.*

## KEYWORDS:

*Sustainability, Economic, Development, Environment, Protection, Natural, Resources management, Pollution, Climate, Tourism.*

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## I. INTRODUCTION

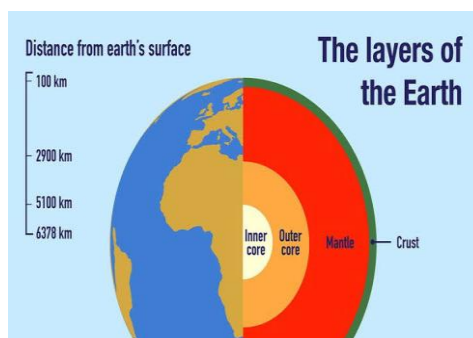
A recent research in the field of geology by the University of Utah suggests that a previously unknown rocky layer may be present at about 1,500 kilometres beneath Earth's surface. Studies have also yielded results that the stiffness or density of the layer is higher than such other characteristic layers, which may be an answer to the earthquakes and volcanic eruption.

Earth is about 12,750 kilometres in diameter with the crust extending from 5 kilometres to 100 kilometres and is the outmost layer of the surface. It is thinner under oceans and thicker under the continents.

Earth's mantle is the largest layer and extends roughly from 50 kilometres to 3,000 kilometres. It is the largest shell of Earth and links the inner hot molten core to the surface of Earth or the crust of Earth's surface. The core being composed of a thick inner layer and a thin inner layer is always under high pressure from the upper layers of the earth.

## EARTH SURFACE

Sustainable economic development is a critical challenge facing our planet today. It requires us to find ways to meet the needs of the present without compromising the ability of future generations to meet their own needs. Caring for the earth is essential to achieving sustainable economic development. It means protecting the environment, conserving natural resources, and promoting social justice. And also a Sustainable economic development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.



It requires a holistic approach that considers the environmental, social, and economic dimensions of development.



### CARING FOR THE EARTH

Protecting Our Planet Starts with You. Ten simple choices for a healthier planet

**Reduce, reuse, and recycle.** Cut down on what you throw away. Follow the three "R's" to conserve natural resources and landfill space.

**Volunteer.** Volunteer for cleanups in your community. You can get involved in protecting your watershed, too.

**Educate.** When you further your own education, you can help others understand the importance and value of our natural resources.



**Conserve water.** The less water you use, the less runoff and wastewater that eventually end up in the ocean.

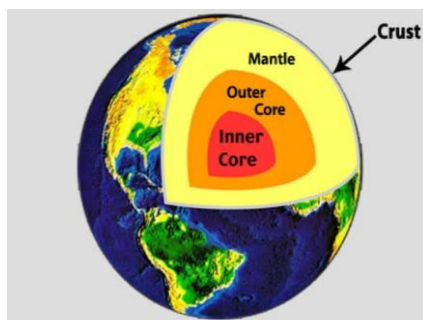
**Choose sustainable.** Learn how to make smart seafood choices at [www.fishwatch.gov](http://www.fishwatch.gov).

**Shop wisely.** Buy less plastic and bring a reusable shopping bag.

**Use long-lasting light bulbs.** Energy efficient light bulbs reduce greenhouse gas emissions. Also flip the light switch off when you leave the room!

**Plant a tree.** Trees provide food and oxygen. They help save energy, clean the air, and help combat climate change.

**Don't send chemicals into our waterways.** Choose non-toxic chemicals in the home and office.



**Bike more. Drive less.**

### WORLD ENVIRONMENTAL DAY

#### ANAMBRA STATE OBSERVING WORLD ENVIRONMENTAL DAY

The Anambra State Ministry of Environment joined the international community in commemorating World Environment Day (WED), 2024, a United Nations initiative celebrated annually on June 5th. This year's theme,

“Our Land, Our Future: Land Restoration, Desertification, and Drought,” highlights the urgent need to address land degradation, which affects over 40% of global land and half of the world’s population.

According to the UN Convention to Combat Desertification, land degradation costs the global economy up to 12% of its GDP, equivalent to \$4.7 trillion annually. In Anambra State, land degradation has led to soil erosion, flooding, and loss of biodiversity, affecting the livelihoods of millions of people.

The Commissioner for Environment, Dr. Felix Odimegwu, emphasized the importance of restoring land values through sustainable environmental practices. He stressed that land degradation is a significant contributor to erosion in the state and urged citizens to take proactive steps towards environmental conservation.

He explained that the ministry has set achievable goals and planned activities, events, and policy amendments to combat land degradation and promote a cleaner, greener, and sustainable Anambra State. Part of the initiatives is to Plant more trees across the state.

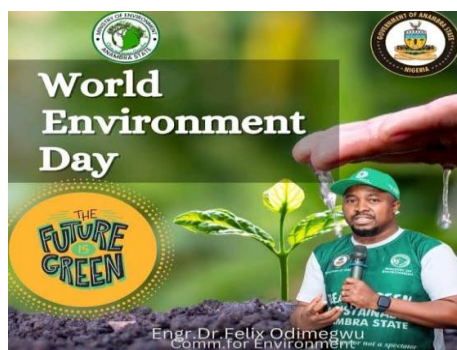
The celebration is part of the global “Generation Restoration” movement, which aims to unite people worldwide in restoring the environment for future generations.

Anambra State, located in southeastern Nigeria, faces significant environmental challenges that threaten its economic development. These challenges include deforestation, water pollution, air pollution, and climate change. This article proposes a comprehensive strategy for caring for the earth and promoting sustainable economic development in Anambra State. The strategy is based on the following principles:

- a. The earth is a finite resource that must be protected and preserved.
- b. Economic development must be sustainable in order to be truly beneficial.
- c. All stakeholders must be involved in environmental decision-making.

#### **The strategy outlines five pillars:**

1. Protect and Restore Natural Resources



2. Reduce Pollution
3. Adapt to Climate Change
4. Promote Sustainable Tourism
5. Engage Stakeholders

By implementing this strategy, Anambra State can create a thriving and resilient economy that benefits both present and future generations.

#### **There are many different ways to care for the earth. Some of the most important include:**

- a. Reducing our consumption of resources
- b. Using renewable energy sources
- c. Protecting biodiversity
- d. Promoting sustainable agriculture
- e. Investing in education and research

#### **Challenges and Opportunities Of Achieving Sustainable Economic Development**

There are a number of challenges to achieving sustainable economic development. One challenge is the fact that economic growth is often seen as being incompatible with environmental protection. However, there is growing evidence that this is not the case. In fact, many studies have shown that sustainable economic development can actually lead to increased economic growth.

Another challenge to achieving sustainable economic development is the fact that it requires cooperation from all sectors of society. Governments, businesses, and individuals all need to work together to create a more sustainable future.

Despite the challenges, there are also a number of opportunities for achieving sustainable economic development. One opportunity is the development of new technologies that can help us to reduce our environmental impact.

Another opportunity is the growing awareness of the importance of sustainability among consumers and businesses.

### **Importance of Sustainable Economic Development**

Sustainable economic development is crucial for the well-being of present and future generations. It involves balancing economic growth with environmental protection and social equity.

#### **BENEFITS:**

1. Environmental preservation: Protects natural resources, reduces pollution, and mitigates climate change.
2. Social equity: Promotes fair distribution of wealth, access to education and healthcare, and reduces poverty.
3. Economic resilience: Ensures long-term economic growth by investing in renewable energy, sustainable infrastructure, and innovation.
4. Improved quality of life: Provides a healthy environment, access to essential services, and opportunities for personal fulfillment.
5. Intergenerational responsibility: Preserves resources and opportunities for future generations.

### **Role of Environmental Stewardship In Achieving Sustainability**

Environmental stewardship is a key aspect of achieving sustainability. It involves managing natural resources responsibly to ensure their availability for present and future generations.

#### **How Environmental Stewardship Contributes to Sustainability:**

- a. Preserves biodiversity: Protects ecosystems and species, maintaining the balance of nature.
- b. Reduces pollution: Minimizes air, water, and soil pollution, safeguarding human health and the environment.
- c. Conserves resources: Promotes efficient use of resources, such as energy, water, and materials, reducing waste and depletion.
- d. Mitigates climate change: Implements measures to reduce greenhouse gas emissions and adapt to climate impacts.
- e. Enhances resilience: Builds ecosystems and communities that are more resilient to environmental challenges and disasters.

By embracing environmental stewardship, we can create a sustainable future where both human well-being and the health of the planet are prioritized.

### **Role Of Education In Promoting A Sustainable Environment**

In just one generation, global literacy rates have soared from 83% to a staggering 86%, yet there's more to this narrative than meets the eye. This isn't merely about mastering the alphabet or acing exams; it's about shaping the very blueprint of our planet's future. Consider this: students today learn about climate change as a core topic, something unheard of three decades ago. And by 2040, these informed youths will be the decision-makers, leading industries, communities, and nations. This comprehensive article explores the multifaceted role of education in sustainable development, offering insights into how education can empower individuals, communities, and nations to create a more sustainable future.

### **Education for Sustainable Development (ESD)**

ESD is a holistic approach to education that aims to empower people to create a more sustainable future for themselves and the planet. It encompasses the knowledge, skills, values, and attitudes necessary to make informed decisions about sustainable development.

**Sustainable development** has become more critical in an era of environmental challenges, social inequalities, and economic uncertainties. Sustainable development, as defined by the **Brundtland Commission**, aims to meet the needs of the present without compromising the ability of future generations to meet their own needs.

**Education plays a pivotal role within this dynamic framework, catalyzing change and progress for transformative change.**

1. Education as the Bedrock of Sustainability: Education is the cornerstone of sustainable development. It acts as a tool for equipping people, communities, and societies with the values, knowledge, and abilities needed to deal with the complex problems presented by our interconnected world.
2. Environmental Awareness and Responsibility: Education fosters environmental consciousness by equipping learners with an understanding of critical ecological issues, such as **climate change, biodiversity loss, and resource depletion**. It instills a sense of responsibility for the planet, driving individuals to adopt sustainable behaviors.
3. Social Equity and Inclusion: Through education, societies can address systemic inequalities and social injustices. It promotes **inclusivity, diversity**, and tolerance, enabling individuals to actively participate in shaping a fairer, more equitable world.

4. **Economic Literacy and Innovation:** Education offers economic empowerment by teaching financial literacy and entrepreneurship. It nurtures innovation and encourages responsible business practices, facilitating economic growth that respects environmental boundaries.
5. **Global Citizenship:** Education instills a sense of global citizenship, fostering a commitment to addressing global challenges collaboratively. It encourages individuals to become agents of change, advocating for positive transformations on local, national, and international scales.

In essence, the role of education in sustainable development is not merely educational; it's a catalyst for change, a source of inspiration, and a blueprint for a brighter, more sustainable future. Through education, we equip ourselves and future generations to champion sustainability, ensuring a harmonious world of prosperity, equity, and ecological integrity coexist.

### **The Role of Education in Sustainable Development**

Education is the cornerstone of sustainable development, empowering individuals with the knowledge, skills, and values needed to build a more equitable, environmentally conscious, and economically resilient world.

#### **1. Raising Awareness: The Foundation of Change**

The first and most fundamental role of education in sustainable development is **raising awareness**. By imparting knowledge about environmental degradation, climate change, social inequalities, and economic instability, education equips individuals with the information they need to understand the pressing issues of our time. The phrase "Role of Education in Sustainable Development" reflects education's foundational role in driving awareness and action.

#### **2. Fostering a Sustainable Mindset: Values and Ethics**

Education is not just about knowledge but also about values and ethics. It instills in individuals a sustainable mindset, emphasizing responsibility, empathy, and stewardship towards the planet and society. By doing this, education motivates people to make decisions consistent with the tenets of sustainable development.

#### **3. Empowering Communities: Local Solutions for Global Challenges**

Sustainable development requires active involvement at the community level. Education equips people with the knowledge and abilities to make decisions affecting their environment and resource availability. When integrated effectively, community-based education programs enable marginalized populations to take control of their destinies and make sustainable choices.

#### **4. Promoting Sustainable Practices: Skill Development**

Education is the vehicle through which knowledge about sustainable practices is disseminated. It includes imparting skills in **sustainable agriculture, renewable energy**, waste reduction, and eco-friendly construction techniques. Education contributes to the widespread adoption of sustainable practices across industries by equipping students and professionals with these skills.

#### **5. Gender Equality and Women's Empowerment: A Cornerstone of Sustainability**

Achieving gender equality is a crucial objective for sustainable development as a whole. Education is pivotal in promoting gender equity by ensuring that women and girls have equal educational opportunities. Women who have received an education are more likely to participate in the labor force, participate in decision-making, and promote sustainable policies, all of which support the overarching objective of sustainable development.

#### **6. Eradicating Poverty: Education as the Pathway to Prosperity**

Poverty is both a cause and consequence of unsustainable practices. Education is a potent tool in breaking this cycle. By providing quality education to impoverished communities, individuals gain the skills and knowledge needed to secure better job opportunities, thereby lifting themselves out of poverty. It improves individual livelihoods and reduces the strain on natural resources as economically self-sufficient communities are less dependent on resource-intensive practices.

#### **7. Technological Innovation and Research: Education's Role in Progress**

Education institutions are hotbeds of innovation and research. Through research initiatives and academic programs, education fosters the development of sustainable technologies and solutions. It encompasses advancements in renewable energy, sustainable agriculture techniques, efficient waste management, and conservation efforts. Education-driven innovation has the potential to revolutionize industries, driving sustainable development forward.

#### **8. Global Citizenship: Nurturing a Sense of Global Responsibility**

Education encourages the development of global citizenship, where individuals recognize their interconnectedness with people and ecosystems worldwide. This mindset shift is crucial for addressing global challenges collaboratively. By promoting cultural awareness, tolerance, and a sense of responsibility towards global issues, education contributes to building a more sustainable and peaceful world.

#### **9. Policy Advocacy and Implementation: Informed and Engaged Citizens**

Informed citizens are better equipped to hold governments and corporations accountable for their actions and advocate for sustainable policies. Education provides individuals the tools to engage in political processes, raise their voices, and demand change. Additionally, educated professionals can contribute to developing and

implementing sustainable policies across various sectors, emphasizing the crucial “Role of Education in Sustainable Development.”

#### **10. Adaptation and Resilience: Preparing for an Uncertain Future**

Climate change and environmental degradation are increasing the frequency and severity of natural disasters. Education can prepare communities to adapt and build resilience in the face of these challenges. It includes teaching disaster preparedness, sustainable land management, and the development of climate-resilient infrastructure.

#### **11. Measuring Progress and Accountability: Data-Driven Sustainability**

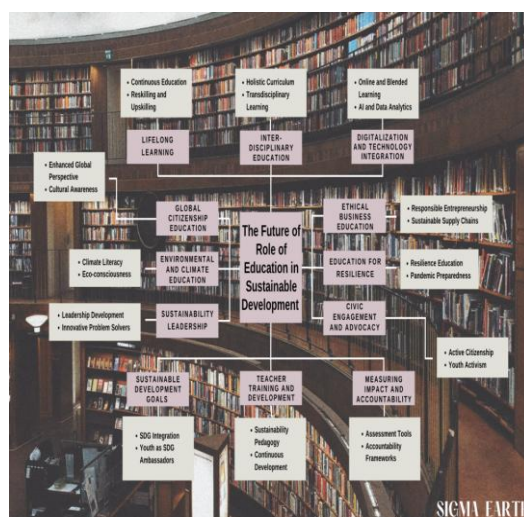
To achieve sustainable development, measuring progress and holding stakeholders accountable is essential. Education equips individuals with the skills to analyze data, assess the impact of policies and practices, and advocate for evidence-based decision-making. This critical aspect ensures that sustainability remains a priority at all levels of society.

In the journey towards sustainable development, education stands as the beacon of hope, illuminating the path to a future where global challenges are met with informed minds and compassionate hearts, fostering a world that thrives for generations.

### **The Future of the Role of Education in Sustainable Development**

Education’s role in sustainable development must be balanced. It serves as the bedrock upon which a sustainable future can be built. From raising awareness and fostering a sustainable mindset to empowering communities and promoting gender equality, education addresses the world’s most pressing challenges. As we navigate the complexities of the 21st century, investing in education and recognizing its pivotal role in sustainable development isn’t just an option—it’s a necessity. By doing so, we pave the way for a brighter, more sustainable future for ourselves and the generations to come.

Future sustainable development will continue to be based on education, which is essential in creating a more just and sustainable world.



1. Global Education Targets: The UN’s Sustainable Development Goal 4 (SDG 4) emphasizes “quality education” and aims to ensure inclusive and equitable quality education for all by 2030. However, the COVID-19 pandemic has caused significant setbacks in progress towards SDG 4, with an estimated 244 million children and youth out of school in 2021. However, there is a growing recognition of the importance of education for sustainable development, and many countries are working to integrate ESD into their education systems.

2. Climate Curriculum: As of 2023, 72 countries around the world have included climate change in their primary education

curricula, and this number is expected to rise as the urgency of the climate crisis increases. Additionally, there is a growing trend of schools developing their own climate curricula and resources.

3. Digital Learning: The World Economic

Forum estimates that by 2025, around 50% of all classroom tools will be e-driven, making education more accessible and tailored to sustainable themes like resource efficiency. Moreover, the COVID-19 pandemic has accelerated the adoption of digital learning in schools around the world. This presents an opportunity to make education more accessible and tailored to sustainable themes. However, it is important to ensure that all students have access to the necessary technology and resources.



4. **Skills for Green Jobs:** The International Labour Organization (ILO) has predicted that 24 million new jobs could be created globally by 2030 if the right policies for a greener economy are put in place. This shift emphasizes the importance of education in preparing students for green jobs. The demand for skills for green jobs is growing rapidly. Many educational institutions are developing new programs and courses to meet this demand. However, there is still a need to do more to raise awareness of green jobs and to ensure that all students have the opportunity to develop the skills they need to succeed in these jobs.

5. **Youth Activism:** A study from the **Pew Research Center** in 2020 showed that young people, more educated about sustainability, are leading the way in climate activism, with around 48% of Generation Z in the U.S. believing they can make a difference in the fight against climate change. Young people are increasingly becoming involved in climate activism and other sustainability initiatives. This is encouraging, as young people will play a vital role in creating a more sustainable future.

6. **Lifelong Learning:** According to the UNESCO Global Education Monitoring (GEM) Report, continuous learning about sustainability will become a norm by 2050, with adults regularly updating their knowledge about sustainable practices.

7. **Innovative Learning Platforms:** Future projections suggest a rise in global platforms, apps, and tools like the WWF's 'EduCare' and NASA's 'Climate Kids' that aim to teach sustainable development concepts to children and adults alike. way.

8. **Holistic Education:** The **Learning for the Planet report by UNESCO** emphasizes that by 2040, more curricula worldwide will adopt a holistic approach, focusing on emotional, social, and physical well-being, integrating them with traditional academic learning to promote a sustainable lifestyle. This approach is essential for preparing students to live sustainable lives.

9. **Integration of Indigenous Knowledge:** As reported by UNESCO, there's an increasing push to integrate indigenous knowledge into educational systems by 2050, recognizing their sustainable practices and giving students diverse perspectives on conservation. Many educational institutions are working to integrate indigenous knowledge into their curricula.

10. **Education for Crisis Response:** Post the COVID-19 pandemic, the **Brookings Institution** highlighted the need to integrate crisis response and resilience building in curricula, preparing students for future global challenges with sustainable approaches. Many educational institutions are working to integrate crisis response and resilience building into their curricula.

In summary, the future of education's role in sustainable development is marked by adaptability, **technology integration**, and a strong focus on nurturing future leaders and responsible global citizens equipped to address the complex challenges of our rapidly changing world.

Education is essential for promoting sustainability. It can help people to understand the environmental impacts of their actions, and it can inspire them to make changes in their own lives. Education can also help to create a more informed and engaged citizenry, which is essential for making progress on sustainability.

### **Role Of Universities In Promoting Education For Sustainable Development**

1. **Curriculum Integration:** Incorporating sustainability concepts and principles into all academic disciplines.
2. **Interdisciplinary Programs:** Offering specialized programs that focus on sustainability and environmental issues.
3. **Research and Innovation:** Conducting research and developing innovative solutions to address sustainability challenges.
4. **Community Engagement:** Collaborating with communities to implement sustainable practices and raise awareness.
5. **Teacher Training:** Preparing future educators to integrate sustainability into their teaching.
6. **Student Leadership:** Empowering students to lead sustainability initiatives and advocate for change.
7. **Campus Sustainability:** Demonstrating sustainability through campus operations and serving as models for others.
8. **Public Outreach and Education:** Engaging with the public through outreach programs and educational initiatives to promote sustainability literacy.

### **Environmental Impacts of Economic Development**

Economic development has often come at a great cost to the environment. Deforestation, pollution, and climate change are just a few of the environmental problems that have been caused by human activities. These problems have a negative impact on human health and well-being, and they can also damage the economy.

Caring for the earth is not just about protecting the environment for its own sake. It is also about protecting our own health and well-being, and ensuring that future generations have a healthy planet to inherit.

## **II. LITERATURE REVIEW**

Curitiba has implemented a number of innovative policies that have helped to reduce pollution, improve public transportation, and create green spaces. As a result, Curitiba is now one of the most sustainable cities in the world. Another example of sustainable economic development is the country of Costa Rica. Costa Rica has made a commitment to protecting its environment, and it has invested heavily in renewable energy and sustainable agriculture. As a result, Costa Rica is now a leader in sustainable development

## **III. METHODOLOGY**

This methodology aimed to ensure that the report's findings and recommendations were based on sound scientific evidence, diverse stakeholder input, and a comprehensive understanding of the complex interlinkages between environmental protection and economic development.

## **IV. CONCLUSION**

Caring for the earth is essential for achieving sustainable economic development. It requires us to reduce our consumption of resources, use renewable energy sources, protect biodiversity, promote sustainable agriculture, and invest in education and research. There are many challenges to achieving sustainable economic development, but there are also a number of opportunities. By working together, we can create a more sustainable future for ourselves and for generations to come.

## **V. RECOMMENDATIONS**

The report "Caring for the Earth: A Strategy for Sustainable Economic Development" put forward a comprehensive set of recommendations to guide governments, businesses, and other stakeholders in transitioning towards sustainable economic development. Key recommendations include:

- a. Invest in renewable energy and energy efficiency: Reduce reliance on fossil fuels and mitigate climate change.
- b. Promote sustainable agriculture and food systems: Ensure food security while protecting ecosystems and biodiversity.
- c. Protect and restore forests and other natural ecosystems: Enhance carbon sequestration, regulate water cycles, and support livelihoods.
- d. Shift towards circular economy models: Minimize waste and resource depletion by reusing, recycling, and repairing materials.
- e. Implement sustainable urban planning and transportation: Reduce emissions, improve air quality, and promote walkability and cycling.
- f. Promote responsible consumption and production: Encourage sustainable lifestyles and reduce the environmental footprint of goods and services.
- g. Strengthen environmental governance and regulation: Establish clear environmental standards, enforce regulations, and promote transparency and accountability.
- h. Foster international cooperation: Address global environmental challenges and support developing countries in their transition to sustainability.
- i. Empower local communities and indigenous peoples: Engage local stakeholders in decision-making and recognize their role in environmental stewardship.
- j. Provide financial incentives and support for sustainable practices: Encourage businesses and individuals to adopt sustainable technologies and behaviors.

These recommendations aim to create a roadmap for achieving sustainable economic development that balances environmental protection, economic growth, and social equity.

## **REFERENCES**

- [1]. World Commission on Environment and Development (WCED). (1987). *Our Common Future*. Oxford: Oxford University Press.
- [2]. United Nations Conference on Environment and Development (UNCED). (1992). *Agenda 21*. Rio de Janeiro, Brazil: United Nations.
- [3]. International Institute for Sustainable Development (IISD). (1995). *Caring for the Earth: A Strategy for Sustainable Economic Development*. Winnipeg, Canada: IISD.
- [4]. International Union for Conservation of Nature (IUCN). (1991). *Caring for the Earth: A Strategy for Sustainable Living*. Gland, Switzerland: IUCN.
- [5]. United Nations Environment Programme (UNEP). (1995). *Caring for the Earth: A Call for Action*. Nairobi, Kenya: UNEP.
- [6]. World Bank. (1992). *World Development Report 1992: Development and the Environment*. Washington, DC: World Bank.
- [7]. [Caring for the Earth: A Strategy for Sustainable Living]([https://www.worldcouncilofchurches.org/sites/default/files/caring\\_for\\_the\\_earth.pdf](https://www.worldcouncilofchurches.org/sites/default/files/caring_for_the_earth.pdf))
- [8]. [Education for Sustainable Development: Goals and Learning Objectives](<https://unesdoc.unesco.org/ark:/48223/pf0000145844>)
- [9]. [The Role of Universities in Promoting Sustainable Development](<https://www.unesco.org/en/articles/role-universities-promoting-sustainable-development>)