



# Climate Change and education for a Low Carbon Economy

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# TOWARDS A LOW CARBON ECONOMY



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# How Did We Get to Ungreening Development?

## Sources of CO<sub>2</sub>

### § Burning of Fossil Fuels

- ú Power generation
- ú Transportation

### § Deforestation and degradation

### § Lack of critical science for green breakthrough

- ú Non-preservation and restoration of ecosystems
- ú Non-sustainable use of biodiversity and fisheries



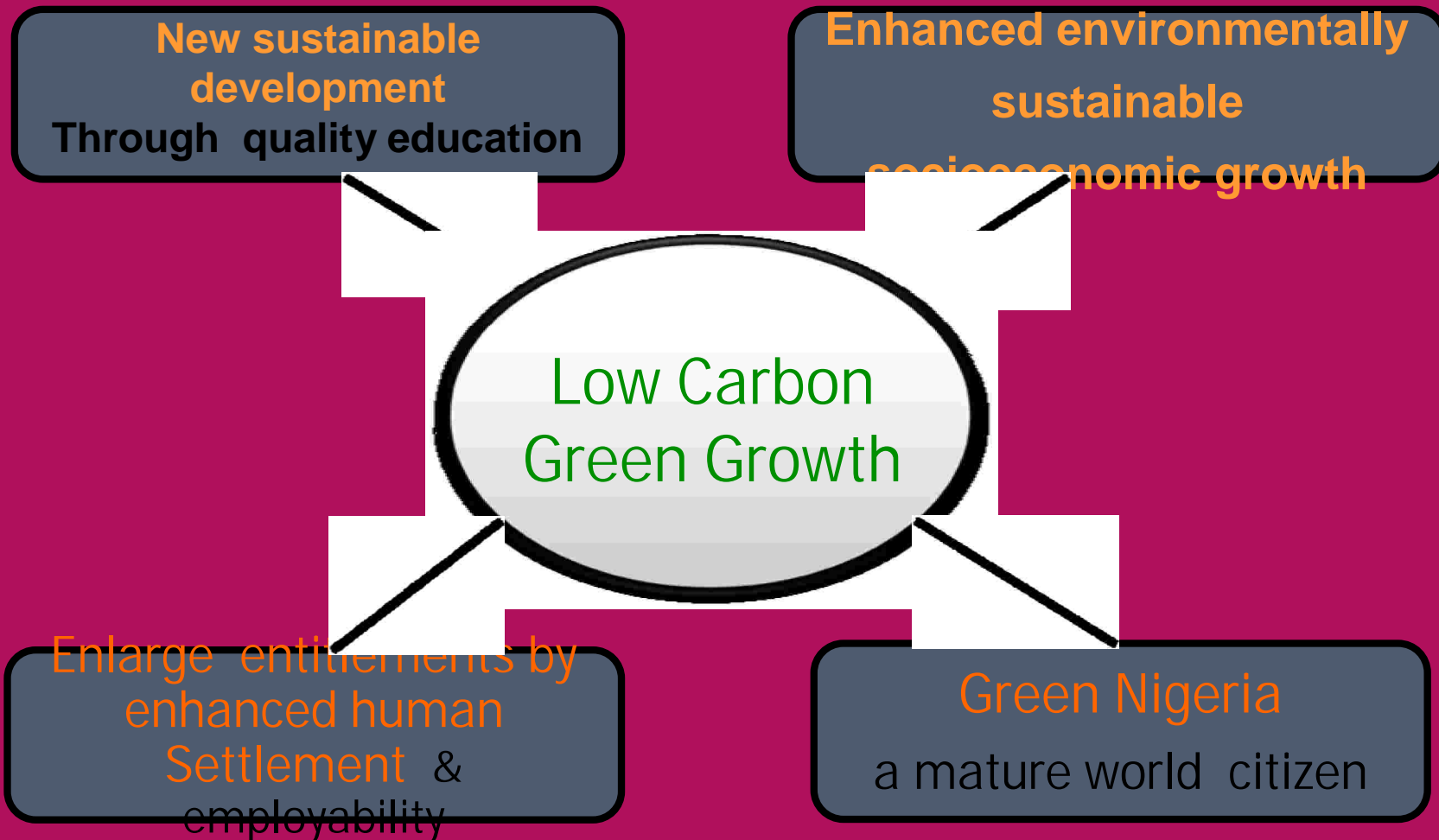
# What is a Low Carbon Economy (LCE) ?

A Low-Carbon Economy (LCE) in climate change is about the big picture - a sustainable society into the indefinite future that depends totally and absolutely on ethically driven redesign of the industrial system, triggered by an equally mind-shift — one mind at a time, one organization at a time, one technology at a time, one building, one company, one university curriculum, one community, one industry at a time — until the entire system has been transformed into a sustainable one existing ethically in balance with Earth's natural systems. This is a transition into the future by investing in green industries, green sky thinking, green communities and green education etc . The aim is to integrate all aspects of itself from its manufacturing, agriculture and food security, transportation and energy security, as well as safe renewable energy etc. .

# Climate Change for Sustainable Development: More Urgent than Ever



# Major Pathways to Low Carbon Economy for Sustainable Development



# STRATEGIC PATHWAYS TO LOW CARBON ECONOMY

## 1. Sustainable Development Paths and Strategic Thrusts in Natural Resources

- § Adopt balance adaptation and mitigation measures for climate-proof sustainable development;
- § Support climate resilient education, build human capacity in climate related research and development;
- § Reengineer industrial development and invest in the pursuit of sustainable green living and growth
- § Improve green thinking and conduct systematic harmonized policies and legislation for energy efficiency
- § Optimize energy management that harness opportunities in reducing the negatives of climate change

## 2. Education for Low Carbon Economy

- § Increase stakeholder awareness participation to promote behavioral change towards water and food security, and renewable energy
- § Promote social investment, shared value in the supply-chain, and common but differentiated responsibilities and respective capabilities.
- § Support knowledge-based decision making through intensive climate related research and development and capacity-building and expansion of human development.
- ú Establishing schools of sustainability in universities, on-the-job training, effective industry-academia partnership and collaborative research, and towards training and skill building through trade schools, etc.

# 3. Traditional

## Pathways to Progress

Traditional pathways to green growth are littered with roadblocks, and poverty incomes and non-sustainable living; and as the historical link between productivity and poverty sustaining wages has broken down, non-commodification of education serves effectively to provide a powerful new direction for a low carbon economy that match the answer for human capabilities for expansion of entitlements - employability.

§ City development should of green transportation;

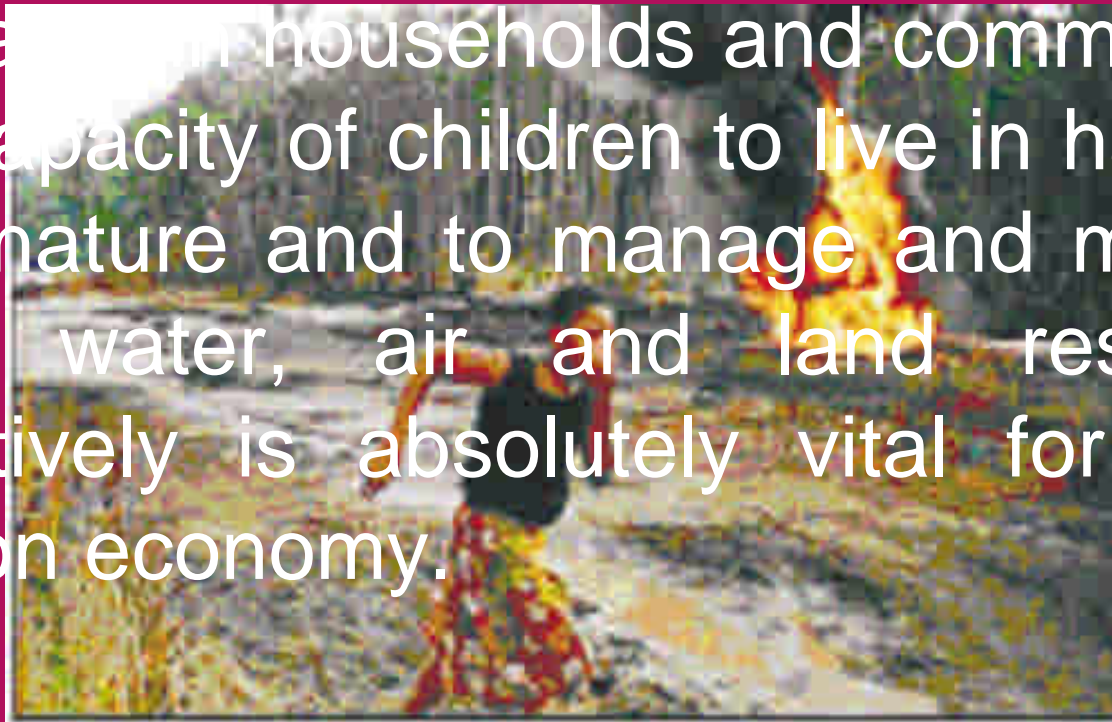
§ Promote Development of an efficient, effective integrated affordable land and sea transportation system

## 4. Strategic Thrusts for Natural Resources

- ∅-Create massive employment, provide for livelihoods, maintain greening of land and services;
- ∅Make a significant contribution towards achieving zero impact of the environment by harnessing the power of the possible;
- ∅The nation, companies, communities and individuals must focus on reducing their greenhouse gas emissions and kicking the carbon habit by reducing emissions from deforestation and Carbon dioxide conservation practices in transportation

## 5. Building Partnership with Children

As the next generation of environmental stewards in households and communities, the capacity of children to live in harmony with nature and to manage and maintain local water, air and land resources effectively is absolutely vital for a low carbon economy.



## 6. Create a Presidential Energy Council



## 7. Adopt a Greening Responsible Fiscal Policy



Low carbon economy and safe renewable energy for sustainable development and own development, which requires quality education and the environment as a basis for sustainability, will result in overcoming obstacles and constraints as great as does we face today and tomorrow.