

Stimulating Sustainable Economic Growth

How to minimize
environmental impact?
The Rwanda Initiative

Bernard Boudreau



Effects of Economic Growth

Positive effects

- Income distribution
- Quality of life
- Resource depletion
(technology : better use of previous unavailable resources)
- Environmental impact (large scale ecological impact can be minor)

Negative effects

- Consumerism
- Quality of life
- Environmental impact
(humanity env. demand: 21.9 ha/person; earth's biological capacity 15.7 ha/per)
- Economic growth (if jobless growth)

Implications on global warming

- Correlation : economic growth with carbon emissions
- Increased in global emissions
- The consequences: switching sources of energy production, favoring wind, solar, and hydro

Challenges – Developing World

- Emerging markets
- Poverty remains
- Governance
- Global challenges are intensifying (environment impact, climate change)
- Manners to address issues are shifting

Rwanda Initiative

- **Strengthening Environmental Management in Rwanda and Equipping Stakeholders with Environmental Management Tools**

Rwanda Initiative

- Need assessment
- Policy: Regulation: EIAs, SEAs, wetlands, water, etc.
- Global issues and Country commitments i.e. Climate change protocols, etc.

Rwanda Initiative

- 3 mission consultation process
- Prepared 11 practical technical tools intended to strengthen environmental management capacities of districts, sectors and towns

Rwanda Initiative

How to minimize environmental impact?

- Land
- Water
- Air
- Organic and inorganic matter
- Living organisms

Rwanda Initiative






1. Practical Tools for Sectoral Environmental Planning :

- A - Building Constructions
- B - Rural Roads
- C - Water Supply
- D - Sanitation Systems
- E - Forestry
- F - Crop Production
- G - Animal Husbandry
- H - Irrigation
- I - Fish Farming
- J - Solid Waste Management

Rwanda Initiative

- 2 Practical Tools on Land Management - GPS, Mapping and GIS
- 3 Practical Tools on Restoration and Conservation of Protected Wetlands
- 4 Practical Tools on Sustainable Agriculture
- 5 Practical Tools on Soil and Water Conservation Measures
- 6 Practical Tools on Agro-forestry
- 7 Practical Tools of Irrigated Agriculture on Non-Protected Wetlands

Rwanda Initiative

-  Practical Tools of Irrigated Agriculture on Non-Protected Wetlands
-  Practical Tools on Soil Productivity and Crop Production
-  Practical Technical Information on Low-cost Technologies: Composting Latrines & Rainwater Harvesting Infrastructure
-  Practical Tools on Water Monitoring Methods and Instrumentation
-  (1) Practical Tools on Solid Waste Management of Imidugudu, Small Towns and Cities : Landfill and Composting Facilities (2) Practical Tools on Small-scale Incinerators for Biomedical Waste Management

Stimulating Sustainable Economic Growth

How to minimize environmental impact?

- It can be somewhat different in the fast-evolving multipolar world economy
- Developing nations are emerging as economic powers
- Others are moving towards becoming additional poles of growth (Africa)

Stimulating Sustainable Economic Growth

How to minimize environmental impact?

- Being fair – impose a one-size-fits-all model on developing nations is not a solution
- Investments in clean growth paths
- Support cleaner energy without sacrificing access, productivity and growth

Stimulating Sustainable Economic Growth

How to minimize environmental impact?

- Exciting times
- Managing change
- Role of Government, Private Sector, Environmental NGOs, etc
- Dealing with disasters