



PRIORITIES AND PROGRAMS:

**A RESPONSE TO ENVIRONMENTAL CHALLENGES IN
PUNTLAND**

**Ministry of Environment, Wildlife and Tourism
Puntland State of Somalia**

November 2011

EASTER ISLANDS

CLASSIC EXAMPLE OF ENVIRONMENTAL COLLAPSE



BACKGROUND

The Ministry of Environment, wildlife and Tourism was established in January 2009.

The Ministry has taken concrete Steps including:

- ❖ The establishment of Environmental and Range management Policies,
- ❖ Recruitment of competent employees, hiring wildlife and range wardens, rehabilitation of gullies,
- ❖ Establishment of Garowe tree nursery and launching urban tree planting campaign dubbed as “Greening Puntland”,



1: GULLY EROSION CONTROL PROGRAM



GULLY REHABILITATION



Gully rehabilitation techniques used include: laying out terraces of gabion wire baskets, followed by tree planting.



2: URBAN GREENING PROGRAM



3: WATER HARVESTING



4: REFORESTATION AND RANGELAND RECLAMATION PROGRAM



5: WILDLIFE CONSERVATION PROGRAMS



6: ALTERNATIVE ENERGY PROGRAM

- Charcoal production causes deforestation and loss of natural resources.

Availability of:

- Kerosene Stoves
- LPG
- Ethanol stoves

..... is encouraged by the Ministry of Environment.



7: WASTE MANAGEMENT PROGRAM



8:WATER POLLUTION

- Garbage is dumped in dry-rivers.
- Contaminated water with pharmaceutical and other hazardous waste is used by the people and livestock.
- There is a potential risk of leakage into the underground water.



AIR POLLUTION

- Lead from vehicle tailpipe emissions is a major air pollution concern in Puntland.
- Exposure of lead to children may harm the intellectual development, behavior, size and hearing of children.
- Lead exposure can also cause anaemia, abdominal pain, sleeplessness, appetite loss, fatigue and poses danger to unborn baby of pregnant women.



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9: SPILL PREPAREDNESS AND OCEAN WASTE PROGRAM



MORE CONTAINERS



DANGER



CAPACITY BUILDING

- Physical Infrastructure
- Equipments
- Training
- Awareness



WAY FORWARD

Share information with:

- ❖ Puntland State Government;
- ❖ Local Governments
- ❖ Puntland business Community
- ❖ International Community



ENVIRONMENTAL POLICY

To Explain key environmental policy principles are:

1. Principle of Sustainability
2. Principle of Ownership and Stewardship
3. Principle of wise use
4. Precautionary principle
5. Polluter pays principle
6. Principle of Due process and transparency
7. Principle of Monitoring and evaluation



POLLUTER PAYS: NON-BIODEGRADABLE WASTE

Non-biodegradable waste will NOT break down (or won't for many, many years). Examples are plastics, metal and glass. Some dangerous chemicals and toxins are, as are plastic grocery bags, Styrofoam (polystyrene).



POLLUTER PAYS

Responsibility: Support
the
Polluter Pays Principle



Opportunities:

- ✓ Waste Management Companies
- ✓ Recycling and incineration plants



INSTRUMENTS

- Environmental Impact Assessments (EIA)
- Opportunities
 - ✓ EIA Contractors.
 - ✓ Alternative Energy suppliers.



ENVIRONMENTAL CHALLENGES?

Option 1:

All tax-payers pay

Option 2:

The polluter pays

Option 3:

Do Nothing

- Have chosen Do-nothing option?

