Risks to Allied security are less likely to result from calculated aggression . . . but rather from the adverse consequences of instabilities . . . faced by many countries. . . . security and stability have political, economic, social, and environmental elements as well as the indispensable defense dimension. Managing the diversity of challenges facing the Alliance requires a broad approach to security.

“The Alliance’s New Strategic Concept,” NATO Press Service
Constituent parts of “Human Security”
UNDP 1994 Human Development Report

- Economic security
- Food security
- Health security
- **Environmental security**
- Personal security
- Community security
- Political security
- Defense
- Diplomacy
- Development

The National Security Strategy of the United States of America

March 2006
“The dangerous depletion or contamination of natural endowments of some nation’s—soil, forest, water, and air—will create potential threats to the peace and prosperity that are in our national interests as well as the interests of the affected nations.”

Ronald Regan
National Security Strategy 1988
Elements of National Power

- Economic
- Diplomatic
- Informational
- Military
are those environmental issues that affect U. S. National Security Interests;

“The stress from Environmental Challenges is already contributing to political conflict . . .”

Shape the international environment in ways favorable to global security.

National Security Strategy
Preventive Defense Strategy

Promote trust, stability, and democratic reform, and so help to prevent the conditions for conflict and build the conditions for peace.

Secretary of Defense Perry

Shape – Prepare – Respond
Environmental Security Issues

- Resource conflict
  - Water resources, fisheries, energy

- Natural disasters
  - Seismic, droughts, floods, monsoons

- Technological disasters
  - Chemical plant accidents, nuclear

- Public health/pollution problems
  - Air, water, pandemics
Environmental Security Issues

- Climate Change
- Developmental Projects
  - Diversion of rivers and dams
- Environmental degradation
  - Soil erosion, deforestation, subsidence
- Environmental agreements
  - Illegal markets in endangered species/ozone
Importance of the Environment

Environmental Concerns

- Nationalism
- Economic Growth
- Health and Physical Security
- Food & Shelter
Importance of the Environment

Environmental Concerns

- Nationalism
- Economic Growth
- Health and Physical Security
- Food & Shelter
- The Environment
Sustainable Development

Social

Bearable

Equitable

Environment

Sustainable

Viable

Economic
Military Advantages

• Good Communications
• Presence on frontier / border areas
• Best transportation assets
• Technical expertise
• Security mission
• Prepared for crises

Shape – Prepare – Respond
DOD Biodiversity & Conservation Projects

Guinea
Fisheries management

Sierra Leone
Fisheries protection

Cote D' Ivoire
Fisheries management

Equatorial Guinea
Forest & Wildlife protection

Gabon
Game park construction projects

Botswana
Wildlife protection

Namibia
Fisheries protection

Djibouti
Flood control & Irrigation

Burkina Faso
Wildlife preservation activities

Burundi
Game park construction project

Seychelles
Oil spill equipment

Malawi
Wildlife management equipment

Madagascar
Restoring game park

Zimbabwe
Endangered species protection

Mauritius
Marine life protection
Military Support to Civil Authority on Environmental Terrorism

**Ministries**
- Energy & Environment
- Health and Services
- Justice (National Police)
- Emergency Management
- Interior
- Agriculture

**Civilian Government**

**External**
- Non Governmental Organizations
- Multilateral Organizations
- Other Countries

**Internal**
- Military

Ministries
- Interior
- Agriculture

Civilian Government
Military Environmental Stewardship in the Philippines

Green Panay Program
Defense: Environment Protection

- Production of plants in forest nurseries
- Reforestation
- Maintenance to plantations
- Support in the combat of forest fires
• 46 military forest nurseries
• Species according to the region
• 84 million plants/104.7 millions of trees
Recent efforts include: 61,465 hectares reforested in 960 different locations

9,600 soldiers fully involved in this task, mainly in the months of June to September
United States Interests turn on *regional stability*. Environmental issues, such as resource access and quality, are now recognized as a major variable in regional instability and conflict, exacerbating tensions resulting from religious, ethnic, and other local differences such as socio-economic disparities between rural and urban areas, rapid economic development, and border disputes. However, environmental issues may also promote regional stability as confidence building measures, creating opportunities for communication and cooperation between regional states that might in other ways be antagonists.

They offer a viable new option for U.S. preventive diplomacy and Combatant Commander engagement strategies.