Protecting Peru’s Precious Ocean and Coastal Resources

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Overview or Map

- US DOS Foreign Policy
  - Importance of Technical Assistance and Capacity Building
  - US AID
- NOAA’s Mission
  - Need for International Cooperation
  - Important Support for DOS US Tech Asst Cap Bldg
- Peru’s Precious Ocean & Coastal Resources
- Integrated Coastal Management & Marine Spatial Planning
- Legal Gap Analysis & Recommendations
- Cultural Exchange: What I Shared & Learned
NOAA Mission

• To understand and predict changes in climate, weather, oceans, and coasts, to share that knowledge and information with others, and to conserve and manage coastal and marine ecosystems and resources.
US DOS Foreign Policy & NOAA Technical Assistance in Peru

• Importance of Technical Assistance and Capacity Building
• The U.S. (NOAA and U.S. Navy) assisted Peru through the provision of 12 Argo floats to study and monitor the El Nino.
• Global Ocean Observing System (GOOS) for observations, modelling and analysis of marine and ocean variables to support operational ocean services worldwide including Pacific Tsunami Warning System, the Tropical Pacific Observing System (TPOS) and the ARGO program for descriptions of the present state of the oceans, including living resources, continuous forecasts for the future conditions for climate change
• NMFS Workshop on CITES implementation
• NMFS and NOS Marine Spatial Planning
  • Humboldt Current – Ica Region Pilot Program
  • Entire Coast
Peru can geographically be divided into three regions: Coast, Highlands and Rainforest

- Peru has 84 of the 103 existing ecosystems and 28 of the 32 climates on the planet, making the country the most ecologically diverse in the world.

- Peru also hosts the most diversity of birds, mammals, butterflies, and the Tambopata and Manu regions possess two of the most diverse flora and fauna forests in the world.
Highlands & Amazon Rainforest
Peru’s Precious Ocean & Coastal Resources
History and Culture

- Tools Cave Paintings at least 11,000 old - Cities developed 5000 years ago
- Second Oldest Civilization behind Mesopotamia
  - Structures older than the Egyptian Pyramids
Pre-Colonial Civilization

• The Andes rich in natural resources for agriculture and mining; Ocean waters abundant fishing. Agriculture in river valleys

• Vast empire based on trade and service.

• A well-organized state relied on the clever management and refinement of agricultural and mining productivity, a brilliant infrastructure and well-fed manpower.
Fishing

Figura 1: Hemingway en la época dorada de la pesca de altura en Cabo Blanco
Diverse users of the marine area and potential conflicts

- Lack of management of artisanal fisheries
- Growing tourism sector
- Pollution from fish meal processing
- Plans for expansion of existing port facilities
- Oil and Gas Development
NEED FOR PLACE-BASED MANAGEMENT

• Increased demands on the marine environment
• Spatial and temporal mismatches
• Fragmented and mismatched management authorities
• Rapid increase in technology presenting unprecedented uses
Integrated Coastal Management & Marine Spatial Planning

• Inclusive, stakeholder-based process for addressing the incompatibilities in the demands for the use of the coastal and marine environment

• ICZM/MSP- Agenda 21 Rio Declaration

• Challenges include Regulation and Management of Mining, Oil and Gas on Territory vs New Ministry of Environment and interest in ocean marine protected areas
Legal Gap Analysis & Recommendations

• Aim – First, evaluate the current legal framework for the implementation of Marine Spatial Planning in Peru.

• Second, it seeks to support the Ministry of Environment (MINAM) by suggesting a roadmap to consolidate the legal framework that would facilitate the integration of marine spatial planning process for uses in the coastal zone through ICZM and beyond but within Peru’s 200 nm and continental shelf.
Recommendations

• Ministerial Resolution MINAM or a Supreme Decree to develop guidelines for the implementation of MSP in Peru, based on the need to coordinate uses set out in the Guidelines on MIZMC.

• New law law by Congress on MSP
  – of national interest
  – develop principles
  – require all sectors to be part of the process,
  – clarify its relationship with OT
  – assign clear responsibilities to an entity to lead the process and define mechanisms for coordination
Cultural Exchange: What I Shared & Learned

- Assisting Peru thru US Department of State was exchange of mutual benefit
  - International law framework
  - Case Studies based on US experience
    - Oil and Gas Development in and near MPAs
    - National – State fisheries management
- History, Culture, People, Food and Life Style
Lima
Tuna Band
CARAL
Paracas
Paracas
Mi Casa – home safe home
Home and Garden