ENVIRONMENT AND INFRASTRUCTURE TRACK

Alignment of Objectives

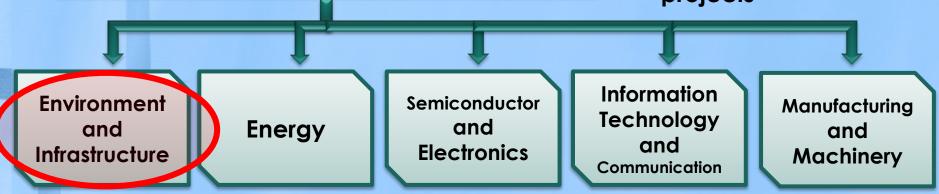
Philippine Government's Priorities



ERDT Consortium's Programs

Criteria:

- 1. Projects/researches should enhance Philippine competitiveness
- 2. Projects should eventually find its way to the Govt's priority projects



Specific Objectives

Philippine Government's Priorities



Competitiveness

Transportation Environment

create growth

in countryside

Disaster Food Mitigation

and social

service

Process

Mining

emerging

technologies

Energy

national

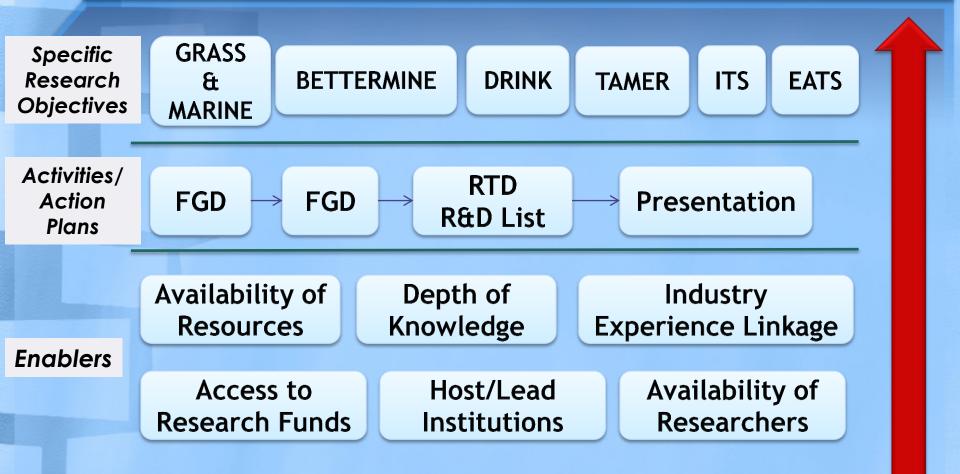
problems

Environment and Infrastructure Track

GRASS & MARINE	Green and Affordable Shelter Systems
BETTERMINE	Better Mining Technologies
DRINK	Drinking water for every home
TAMER	Tactical Mapping for Environmental Risk Management
ITS	Intelligent Transport Systems
EATS	Environmental Adaptation Technologies & Systems for Food Security

Alignment of Priorities Energy **GRASS &** MARINE Transportation **BETTERMINE** Environment **Priority Areas** Environmental of the DRINK Disaster Government and Mitigation and the Infrastructure TAMER DOST Track Food ITS Mining EATS Processes

Objectives, Action Plans, Enablers



Key Research Areas

GRASS & MARINE	Green and Affordable Shelter Systems
BETTERMINE	Better Mining Technologies
DRINK	Drinking water for every home
TAMER	Tactical Mapping for Environmental Risk Management
ITS	Intelligent Transport Systems
EATS	Environmental Adaptation Technologies & Systems for Food Security

GRASS and MARINE

Sustainable Housing Systems

Erosion Control

Residential Building Code

Durability Parameters in Reinforced Concrete

Corrosion Studies

Use of Bamboo in Structures

Use of Alternative Materials



Efficient Mining Extraction

Gold Jewelry Production Life Cycle Analysis

Wastewater Treatment

Nanofiber Technologies

Wetlands Construction

Integrated Wastewater Treatment for Mining Sites

BETTERMINE

Borax Extraction

Substitutes for Mercury Amalgation

Alternative Technologies for Processing Chromite



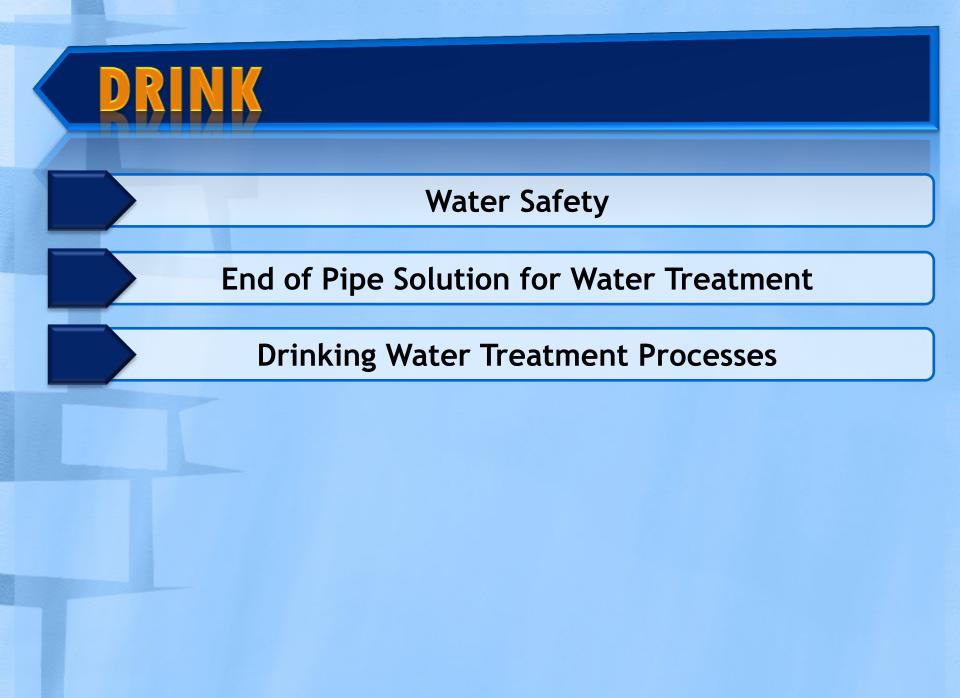
Cleaner Production of Water

Monitoring of Water Quality

Better Interaction among LGU's and SUC's

Septage Management

Compact Systems for Pre-treatment of Wastewater



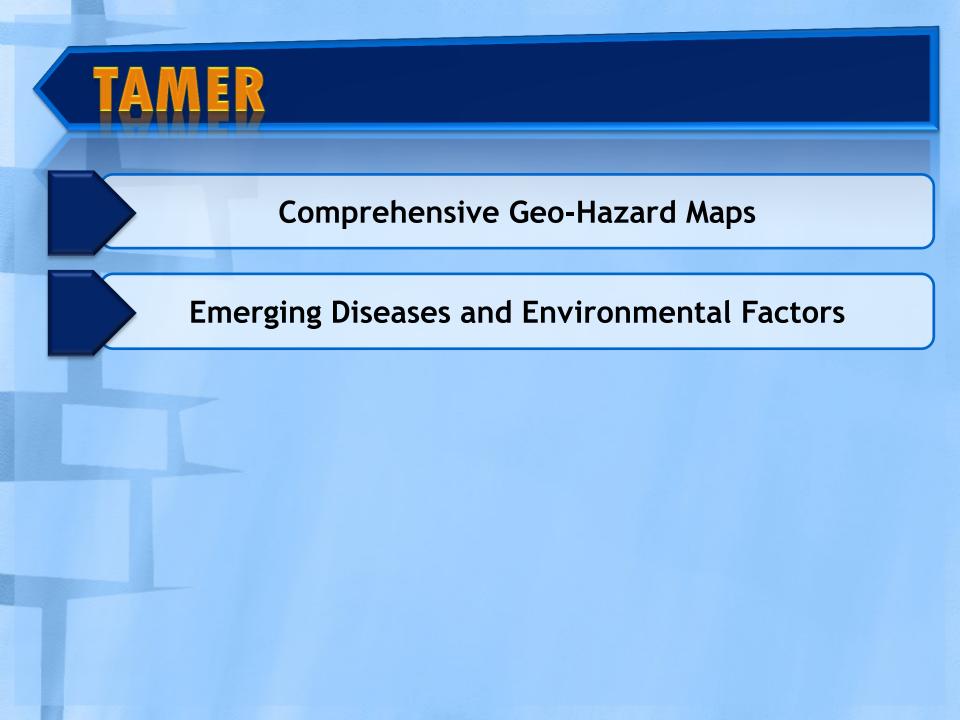


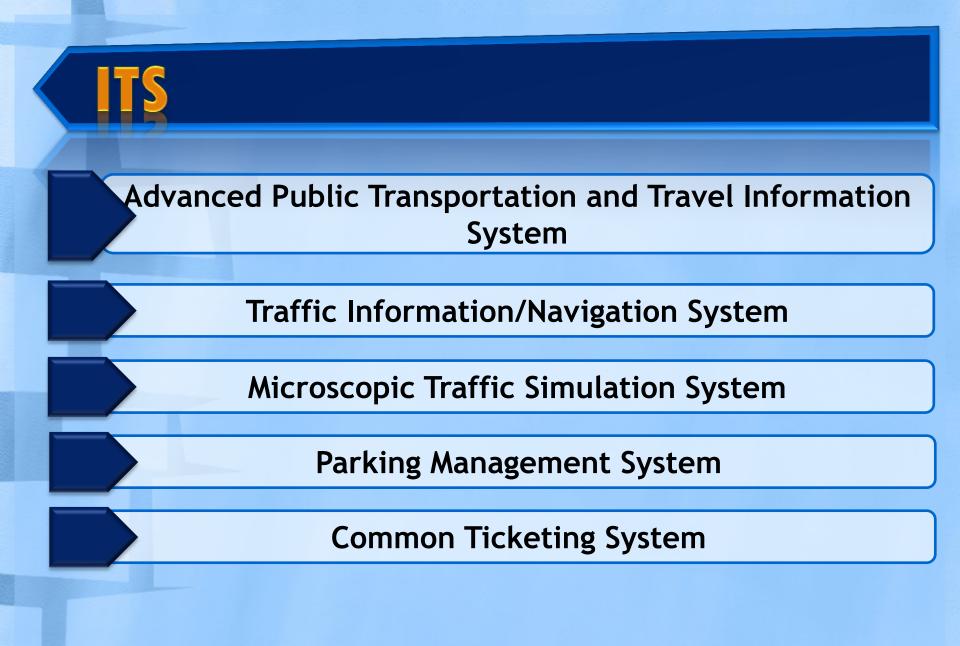
Data Center for Environmental Data (water quality, geologic, air, risk)

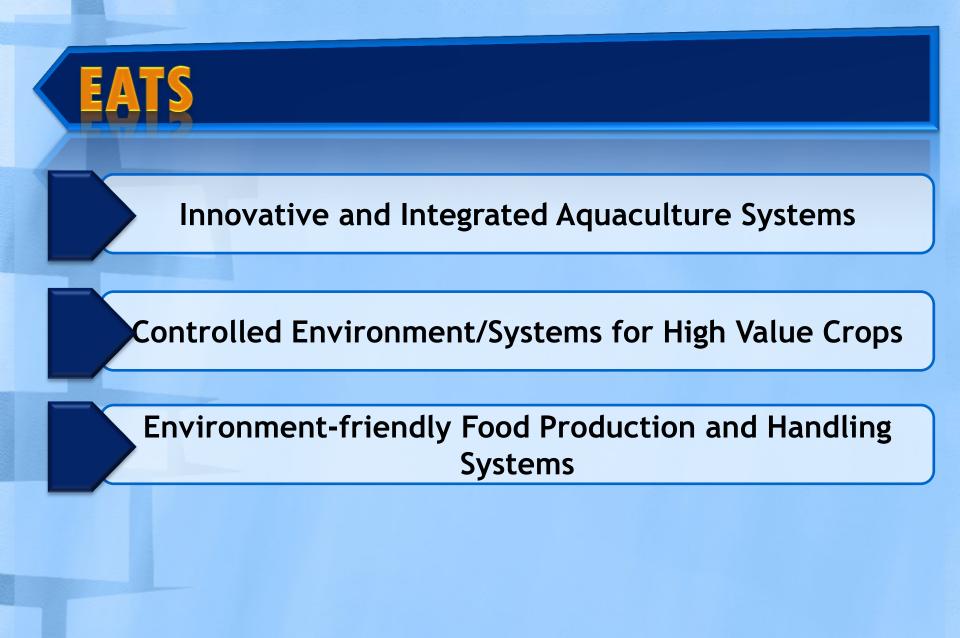
Generated Thematic Maps (GIS, RS)

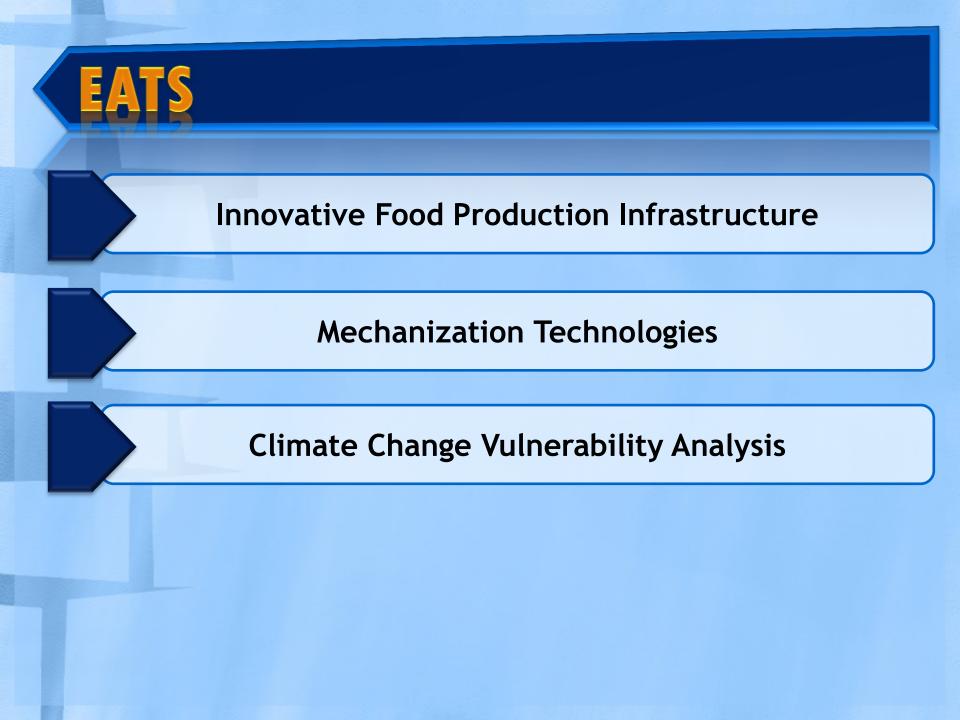
Decision Support Systems

Integration of Other Envi and Infra Tracks







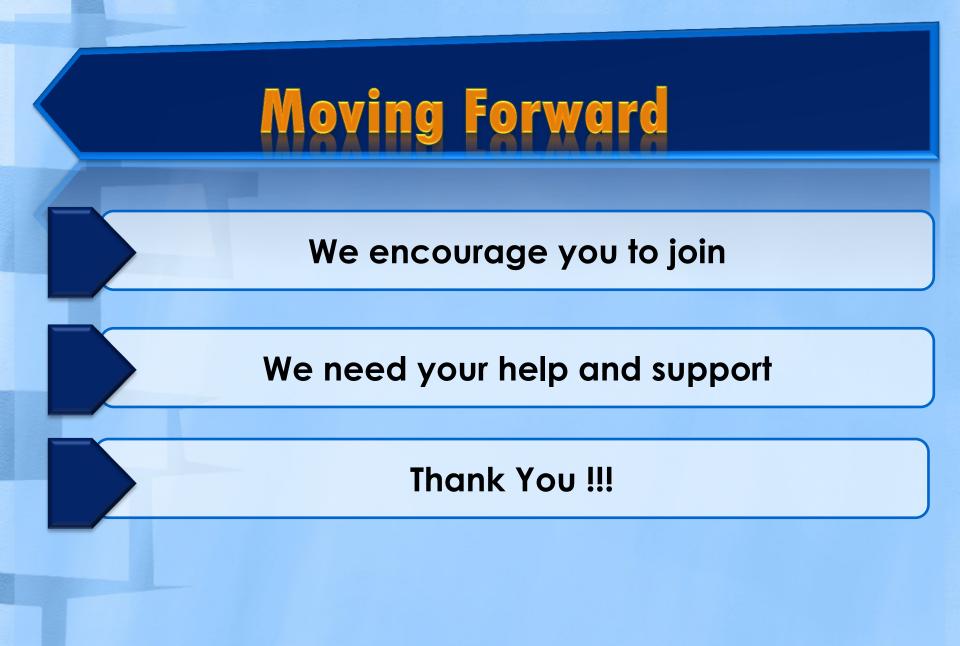




Enhance Capacity to Produce Valuable and Relevant Research

Strengthen Industry Linkages and Consultation

Wider Scope of Experts







ATENEO DE MANILA UNIVERSITY

CENTRAL LUZON STATE UNIVERSITY

DE LA SALLE UNIVERSITY

MAPUA INSTITUTE OF TECHNOLOGY

MINDANAO STATE UNIVERSITY (MSU) - ILIGAN INSTITUTE OF TECHNOLOGY (IIT)

TECHNOLOGICAL UNIVERSITY OF THE PHILIPPINES (TUP)

UPD - COLLEGE OF ENGINEERING

UPD - NATIONAL CENTER FOR TRANSPORTATION STUDIES (NCTS)

UPD - OFFICE OF VC FOR R&D

UPLB - COLLEGE OF ENGINEERING AND AGRICULTURAL TECHNOLOGY

GOVERNMENT	
	DILG
	DOST - PCIEERD
	DOTC
	DPWH
	ENVIRONMENTAL MANAGEMENT BUREAU (EMB)
	MMDA



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