



**Asia-Pacific  
Environmental Innovation Strategy Project**

# **Asia-Pacific Environmental Innovation Strategy Project**

*APEIS Capacity Building Workshop on  
Integrated Environment Assessment in the Asia-Pacific Region  
October 24-26, 2002, New Delhi*

**Ministry of the Environment, Japan**



# *Background*

- Environmental conditions are **deteriorating in the Asia-Pacific region** experiencing rapid population and economic growth. To solve such problems, the world needs a **tangible path toward sustainable development and clearer plan for implementation.**
- The launch of the Asia-Pacific Environmental Innovation Strategy Project (APEIS) was endorsed with appreciation at ECO ASIA 2001.

# *Objectives and Key Concepts*

- Objectives

- To develop scientific knowledge-based tools and innovative strategy options to promote informed decision-making
- To promote regional cooperation and capacity building
- To propose a model of a regional initiative to substantiate and realize the Plan of Implementation for the WSSD



- Key Concepts

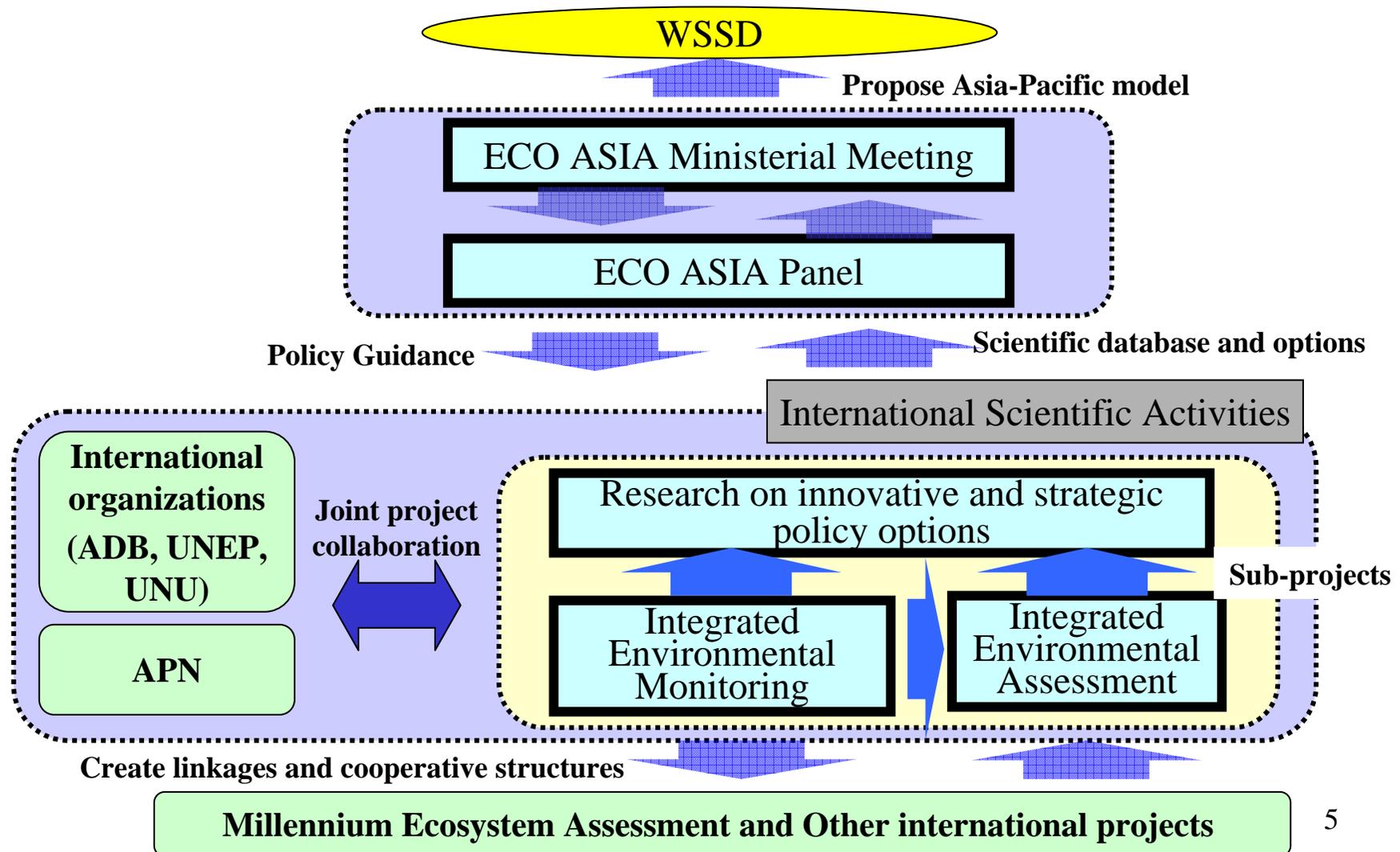
- Ensure the highest possible level of participation and collaboration
- Create a framework in which scientific activities and policy makers interact synergistically and constructively
- Fully incorporate and utilize resources of existing regional activities
- Consider and reflect specific needs and diversified circumstances



# *Why is this Project “innovative”?*

- Objects and Processes
  - development of **scientific knowledge-based tools and strategy options** for policy-makers as a **regional common asset**, through **dynamic interaction** between scientific activities and policy makers
- Outcomes
  - proposal of **innovative policy instruments and environmental strategy options**
- Technical elements
  - employment of **innovative methodologies** such as satellite- and ground-based integrated monitoring and environment-economy integrated models

# Framework of APEIS





# *Integrated Environmental Monitoring (IEM)*

- Main Components
  - Establishment of a **MODIS data network** (receiving stations and analytical systems) covering the Asia-Pacific region
  - Development of a **ground-truth observation network** to validate satellite data
  - Integrated monitoring of **environmental disasters**
  - Integrated monitoring of **environmental indices and degradation**
  - Study of land-atmosphere processes and ecological functions at the **watershed scale**, and modeling of **water resources and agricultural productivity**



# *Integrated Environmental Assessments (IEA)*

- Main Components
  - Development of a set of **integrated assessment models** based on the AIM project
  - Development of **indicators** and a **strategic database** comprised of the fundamental database, index base, model base and strategy option base
  - Assessment of the **current conditions** and possible **future changes** of the environment and economy, and the **quantitative effects** and **implications** of proposed innovative strategy options

# *Research on Innovative and Strategic Policy Options (RISPO)*

- Main Components
  - Conduction of **field-based case studies** in selected countries
  - Development of **policy inventories** (good practices inventory and innovative instruments inventory) based on case studies and existing projects
  - Proposal of **strategic policy options** based on the analysis of practices and instruments compiled in the policy inventories
  - Implementation of **pilot projects** on selected issues and site to examine the effects, feasibility and applicability of the strategic policy options



# *Cooperation with Related Projects*

- Millennium Ecosystem Assessment (MA)
  - Regional MA in western China is being implemented as a joint activity of APEIS and the MA.
  - Both projects can cooperate in exchanging data and methodologies.
- National Performance Assessment and Subregional Strategic Environment Framework in the Greater Mekong Subregion (GMS)
  - Planned by the ADB, UNEP, NIES and IGES
  - Both projects are being designed and will be implemented with close collaboration
- APN
  - Strong partner for APEIS
  - Research Networking and capacity building



# *Call for Participation*

- Ministry of the Environment, Japan (MOEJ) is **proposing APEIS** as a **Type 2 Partnership/Initiative** to the WSSD.
- Many research institutes and international organizations are already participating in APEIS.
- MOEJ is **calling for wider participation** of interested bodies, in particular, **ministries and agencies in the Asia-Pacific region**.
- Please contact to **MOEJ** ([yuji\\_kimura@env.go.jp](mailto:yuji_kimura@env.go.jp)) as soon as possible but no later than **9 August**.