



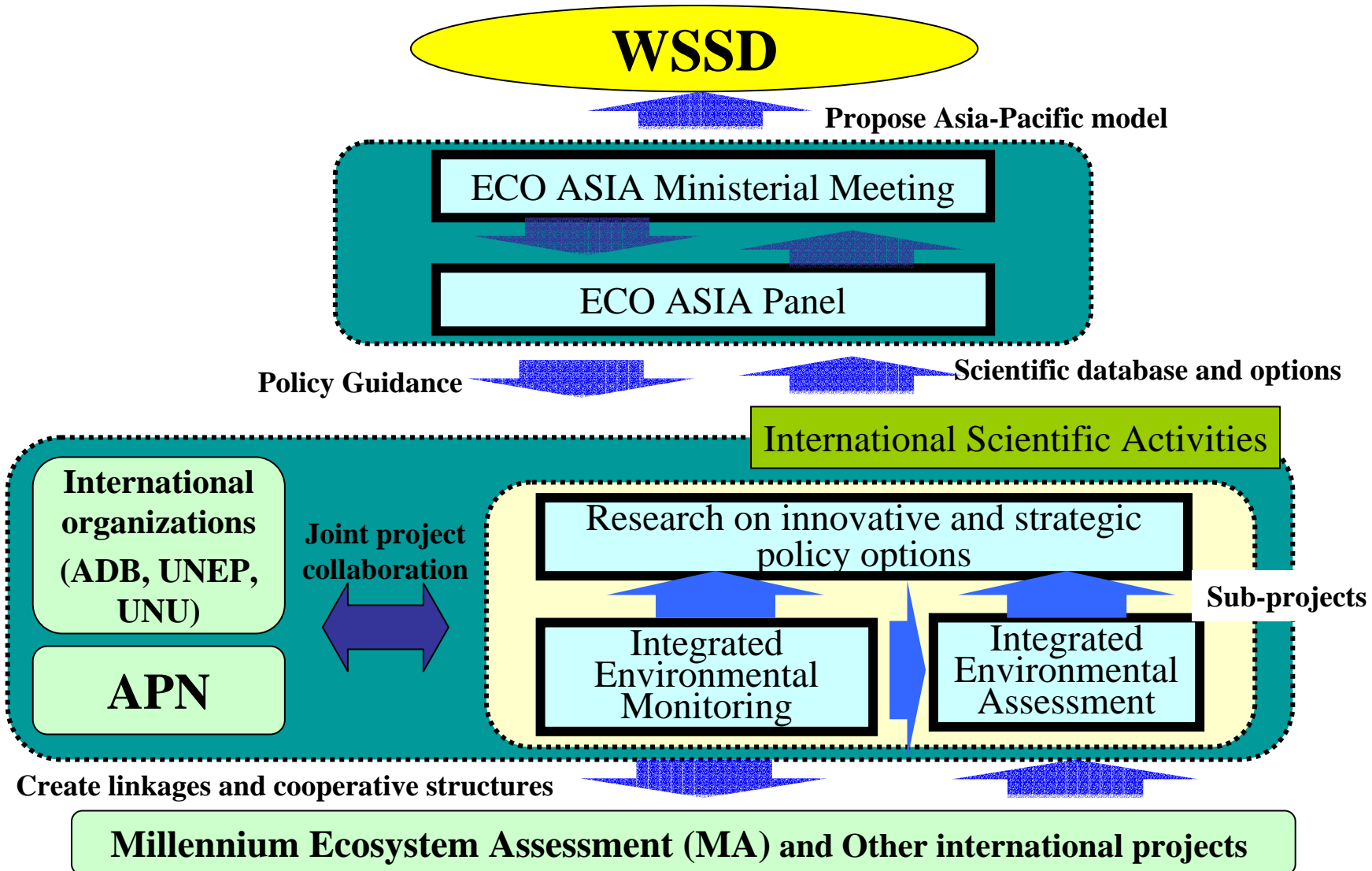
**Asia-Pacific
Environmental Innovation Strategy Project**

FY2002 Research Outcomes and FY2003 Implementation Plan of APEIS-IEA

**The 8th AIM International Workshop
13-15 March 2003, Tsukuba**

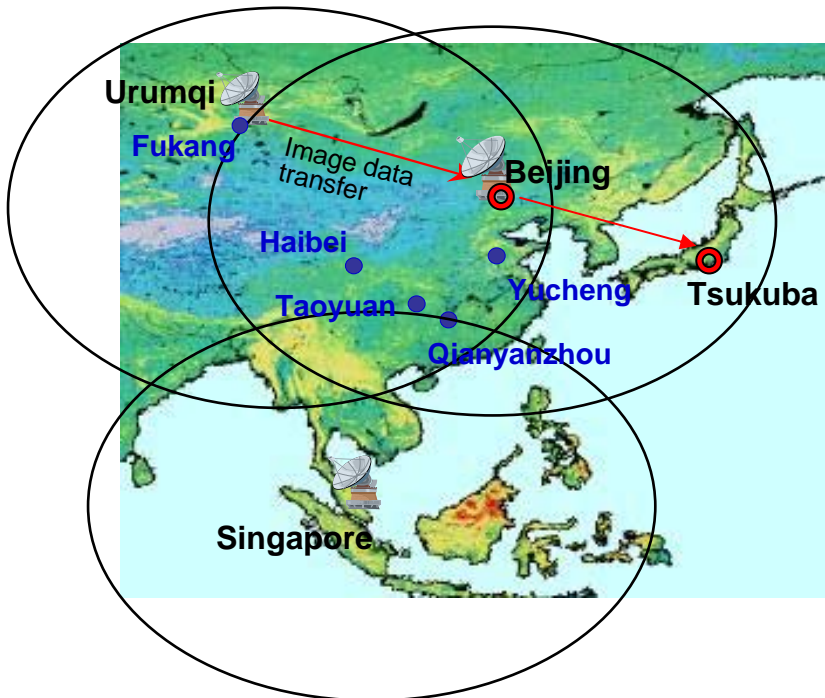
Integrated Environmental Assessment Sub-project

Framework of APEIS



Integrated Environmental Monitoring (IEM)

Coverage of MODIS data



Urumqi Receiving Station



Beijing Receiving Station



MODIS data receiving station



MODIS data Analyzing Center

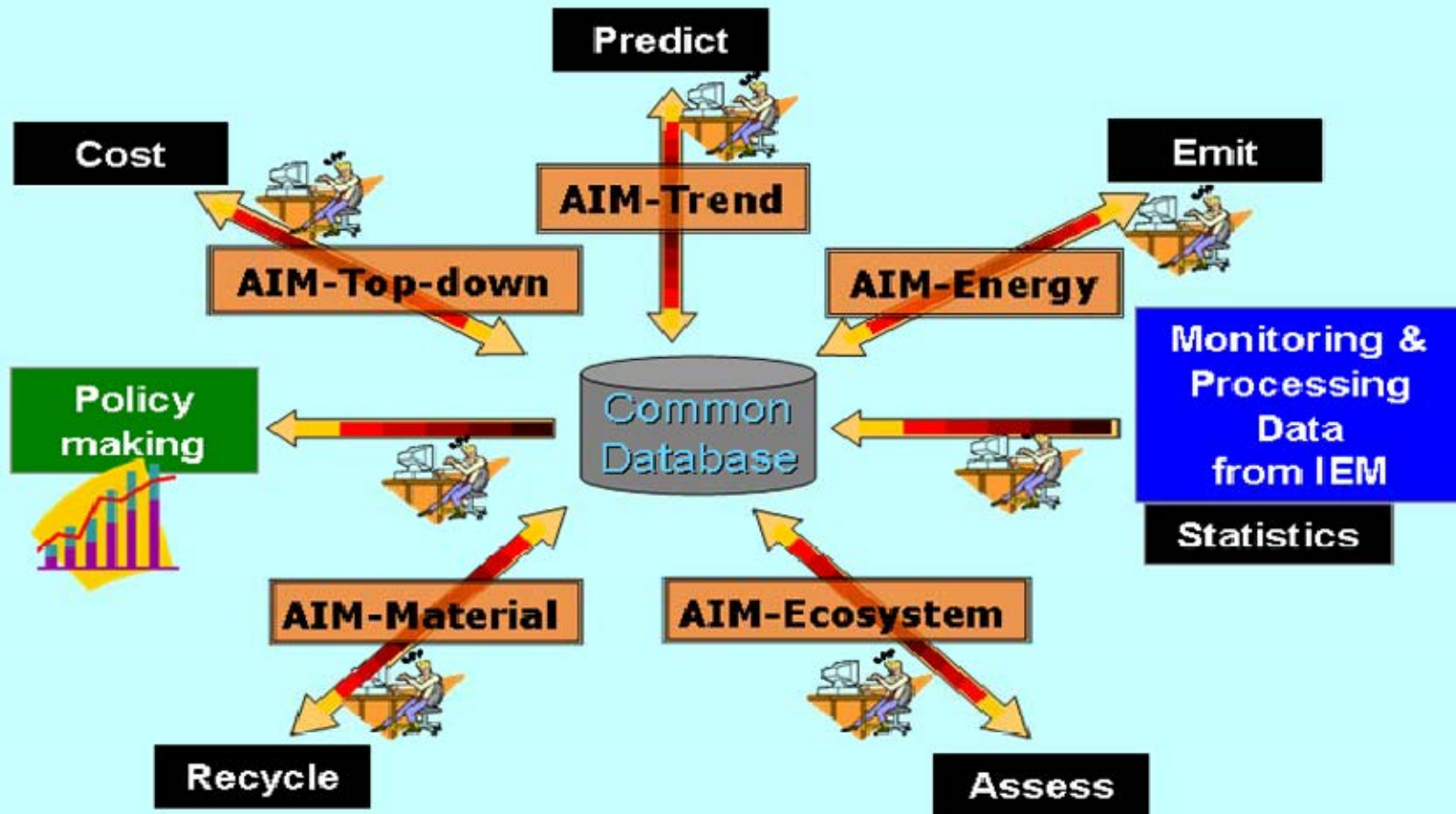


NIES-IGSNRR Validation Site



Data Analyzing Center

Integrated Environmental Assessment (IEA)



Research on innovative and strategic policy options (RISPO)

Strategic Policy Options

Policy Inventories

Good Practices Inventory

Good Practice #001

Good Practice #002

Good Practice #001

Detailed Description

Replicability Factors

Lessons Learned

Analysis and

Project/case summary

- Name of the project
- Objectives
- Brief description

Innovative Instruments Inventory

Regional Level

National Level

Local Level (example of contents)

Awareness & Partnership

Financial Instruments

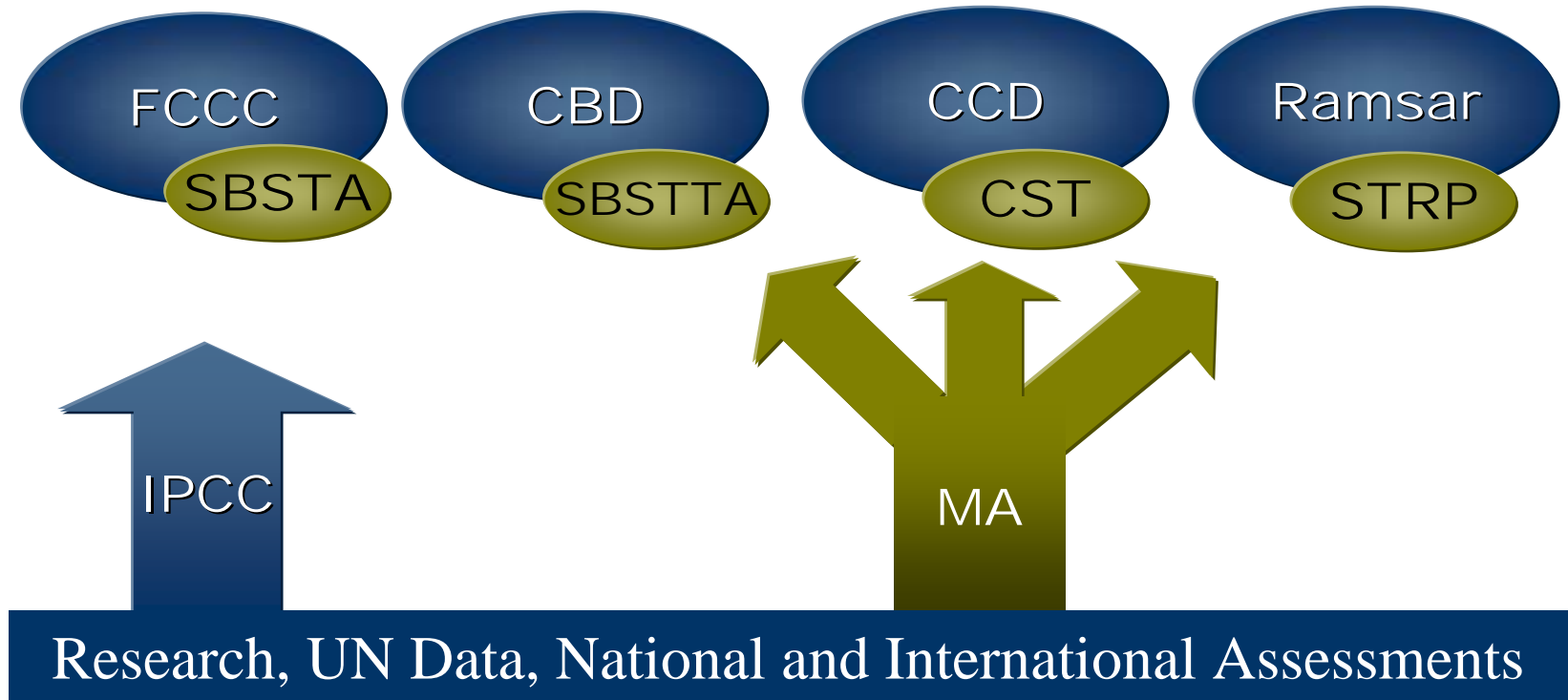
Technological

Institutional

Regulatory Instruments

- Description
- Merits and Demerits
- Replicability/ Applicability

Multiple Users Among Conventions



IPCC

EcoAsia

MA

**Anticipatory
assessment of
innovations**

**More comprehensive
assessment of
innovations**

**Exploratory
assessment of
innovations**

A diagram illustrating the relationship between APEIS-IEA and three other entities. At the bottom is a light green oval containing the text 'APEIS-IEA'. Three grey arrows point upwards from this oval to three yellow ovals above. The left arrow points to 'IPCC' and is labeled 'Anticipatory assessment of innovations'. The middle arrow points to 'EcoAsia' and is labeled 'More comprehensive assessment of innovations'. The right arrow points to 'MA' and is labeled 'Exploratory assessment of innovations'. All text is in a bold, sans-serif font.

APEIS-IEA

Integrated Environmental Assessments (IEA)

A set of integrated assessment models as major tools of APEIS, including an environment-economy model, an ecosystem/health impact model, a water resource/agriculture model, a material/recycle-economy model and an energy technology model

Strategic database as well as indicators for APEIS use

Systematic projections of environmental trends as well as **assessments of innovative options** based on the above models and database

FY2002 Plan of APEIS-IEA

(i) Provision of a set of integrated assessment models (first version) :

- Full version of AIM/Trend
- Preliminary version of AIM/CGE
- Preliminary version of AIM/Material
- Full version of AIM/Energy
- Preliminary version of AIM/Ecosystem
- Preliminary version of AIM/Water

(ii) Provision of preliminary version of strategic database with indicators

(iii) Provision of preliminary projections of environmental trends as well as preliminary assessments of innovation needs and options

(iv) Holding Training Workshop in India



**APEIS Capacity Building Workshop
on Integrated Environment Assessment
in Asia-Pacific Region**

(October 24-26, 2002, Delhi, India)

FY2003 Plan of APEIS-IEA

(i) Provision of a set of integrated assessment models (second version) :

- Extended version of AIM/Trend for the World
- Full version of AIM/CGE
- Full version of AIM/Material
- Full version of AIM/Energy for extended countries
- Preliminary version of integrated AIM/Ecosystem
- Full version of AIM/Water

(ii) Provision of full version of strategic database with indicators focusing on Environmental Efficiency

(iii) Provision of full projections of environmental trends as well as full assessments of innovation needs and options focusing on selected countries

(iv) Holding Training Workshop in ASEAN or China

FY2002 Plan of APEIS-IEA

(i) Provision of a set of integrated assessment models (first version) :

- Full version of AIM/Traffic
- Preliminary version of AIM/CGE
- Preliminary version of AIM/Material
- Full version of AIM/Energy
- **Preliminary version of AIM/Ecosystem**
- Preliminary version of AIM/Water

(ii) **Provision of preliminary version of strategic database with indicators**

(iii) **Provision of preliminary projections of environmental trends as well as preliminary assessments of innovation needs and options**

(iv) Holding Training Workshop in India

We need intensive work over next one month, especially, until RCC meeting, 30-31 March

Session VII APEIS and MA

Overview (Morita)

Preliminary Results for MA (Harasawa)

AIM/Material: Japan (Masui), India (Rana), China(Yang)

AIM/Material India with Natural Resources (Masui, Rana)

- break -

Korean Environmental Industry (Jung)

Strategic Database and Indicators for APEIS (Hibino)

Comparison Study of Innovation

(Rana, Shukla, Jiang, Shrestha)

Session VIII Discussion

Discussions on APEIS and MA

Overall Discussions