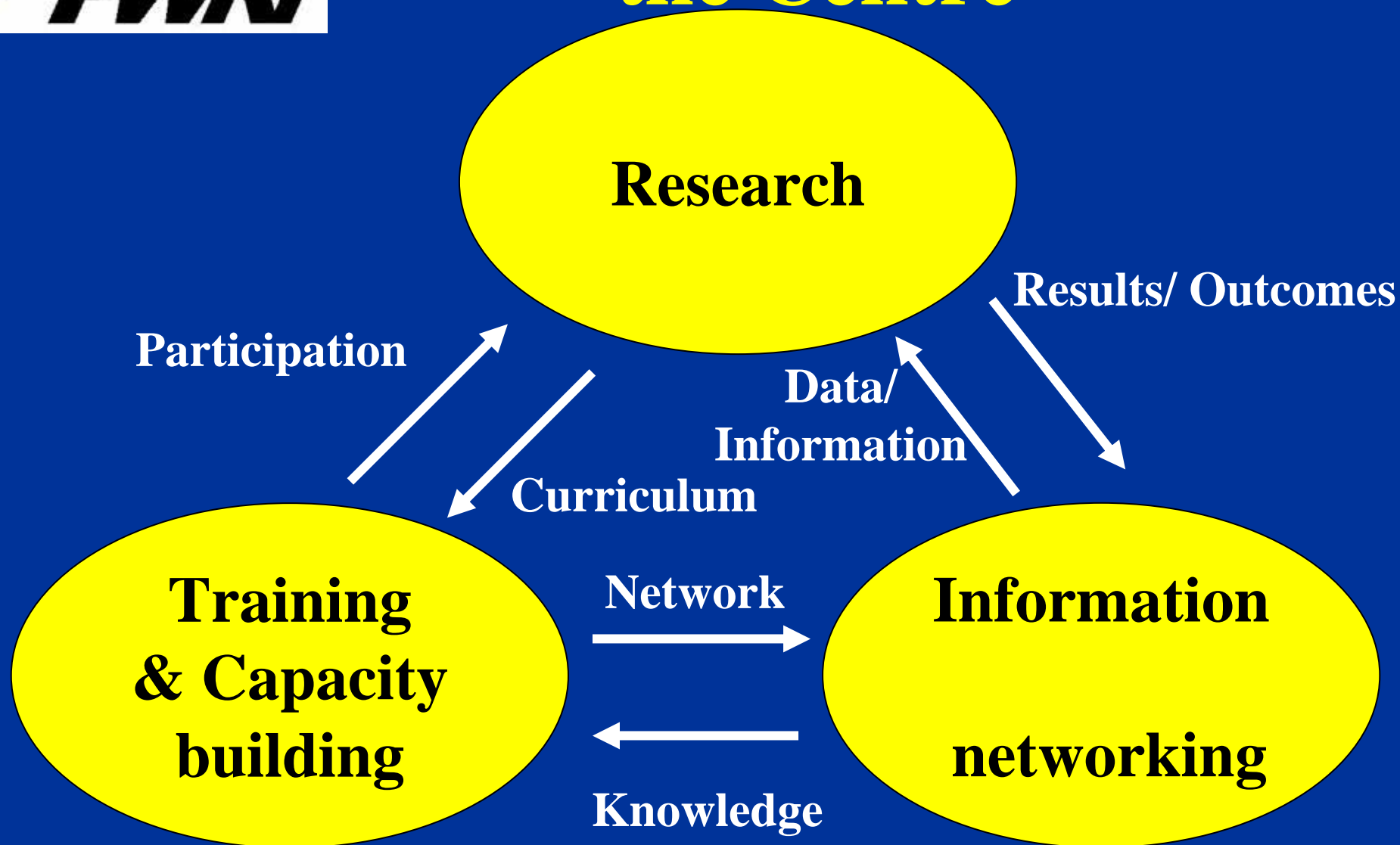




# Pillar Activities of the Centre





# Research Activities

## Conducting scientific and academic research;

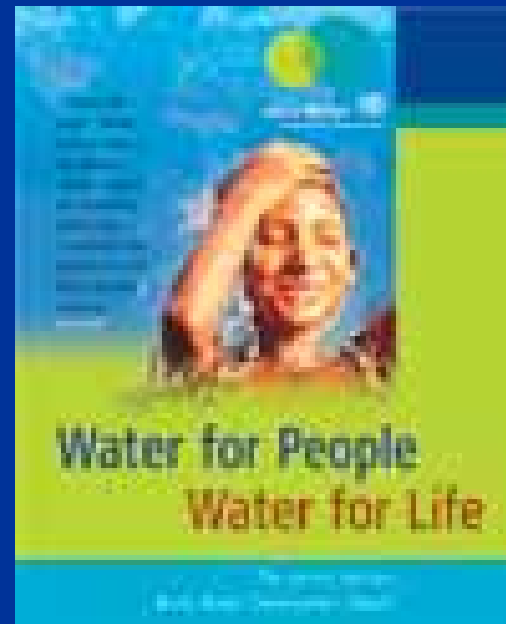
- Hydraulic / hydrological prediction, observation, modeling and analysis
- Water-related hazards management technologies
- Climate change assessment study and adaptation technologies
- Contribution to the WWAP
  - · · and others



# Research Projects (1)

## Contribution to the WWAP

- For Phase 1 (WWDR published in March 2003)
  - Technical input
  - Case study of Greater Tokyo
- For Phase 2 (toward 2006)
  - Expansion of the Case Study to country scale
  - Indicator of Risk Management with WMO, ISDR
  - Input to the risk chapter of the 2<sup>nd</sup> World Water Development Report (WWDR)





## Research Projects (2)

**Contribute to UNESCO/WMO joint International Flood Programme, including potentially related programmes:**

- International Flood Network (**IFNet**) by actively collaborating to the network expansion and substantially contributing to develop Global Flood Alert System (**GFAS**)
- Global Cooperative Programme on Water and Climate (**CPWC**) by contributing through national assessment of Japan and developing the Flood Vulnerability Index (**FVI**)

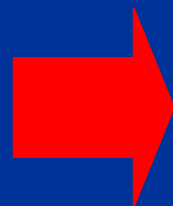


## Research Projects (3)

**Co-operation with IHP risk-management-related programmes and activities**

**Input of PWRI's expertise to the Centre:**

- **R&D of hydrological modeling and water resources management system**
- **Collaboration with IAHS to develop PUBs**
- **Intensive study of water resources modeling in the Mekong River, etc.**
- **Contribution to develop GWP Tool Box**



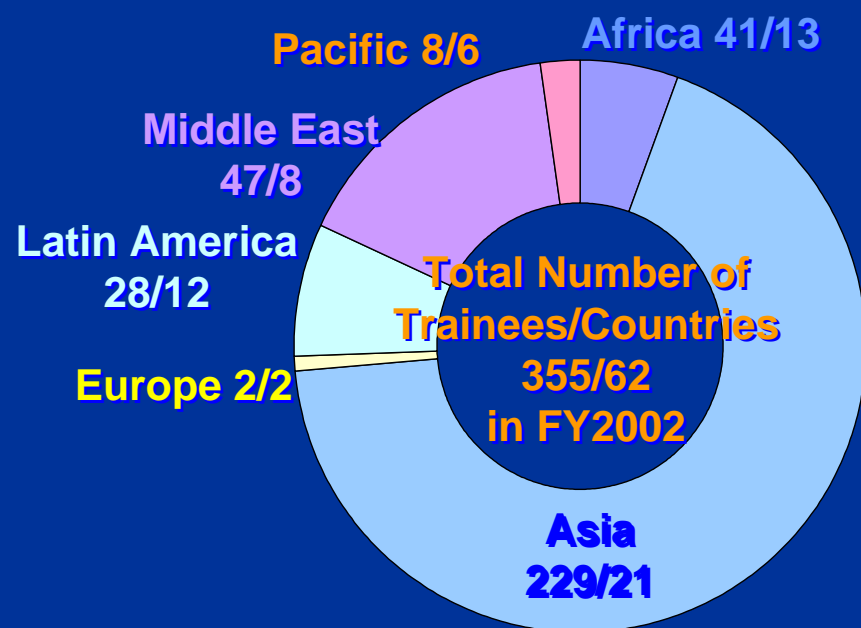
**Many other projects will be coming!**



# Training Activities (1) -experiences of PWRI-

PWRI's long experiences through conducting JICA training courses for over 35 years, including:

- river and dam engineering
- landslide engineering





## **Training Activities (2)**

- **Group training course**
  - **New training courses on “water hazard mapping” (in cooperation with JICA)**
  - **Improvement of the existing training courses to respond to the mission of the new Centre**
- **Long- & short-term training for experts/ practitioners**
  - **Students/ professionals exchange from academic institutes worldwide**
  - **Internship for the future generations**



# Information Networking (1)

## Creating knowledge base and information networking :

- Collecting, compiling and providing useful information and practices relevant to risk management, particularly through co-operation with **International Flood Programme and WWAP**
- Contacting UN-systems and all other international resource organizations in collaboration with **IHP networks and WWAP**
- Interaction with the existing global/ regional network (IFNet, JWF, etc.)



## Information Networking (2)

**Information networking will be synergized with research and training activities in order to enhance integration and coordination:**

**Through the information network...**

- **Research output will be widely disseminated**
- **Feedbacks from countries and regions will be given to research projects**
- **Trainees will develop domestic links in their own countries/ regions**
- **Local needs for training items will be informed**