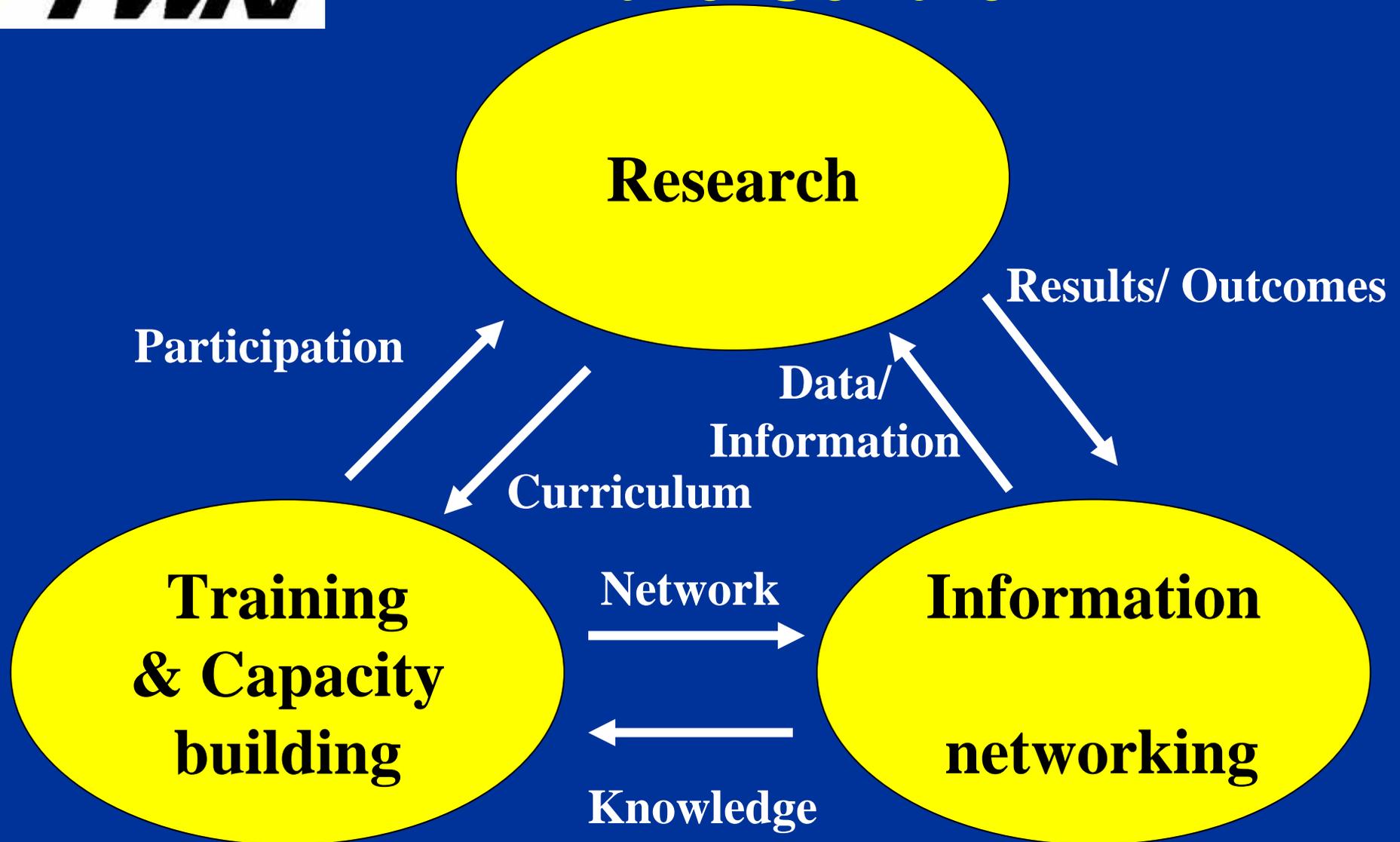




Pillar Activities of the Centre





Research Activities

Conducting scientific and academic research;

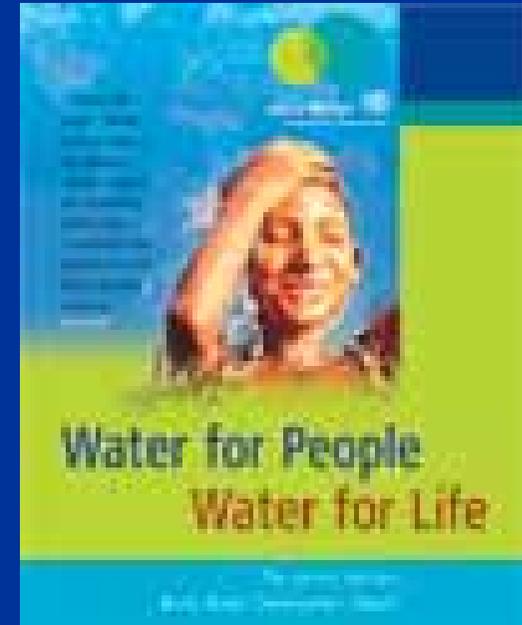
- Hydraulic / hydrological prediction, observation, modeling and analysis
- Water-related hazards management technologies
- Climate change assessment study and adaptation technologies
- Contribution to the WWAP
 - · · and others



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 2nd 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**)

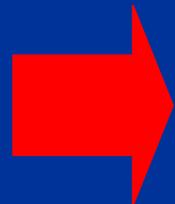


Research Projects (3)

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**



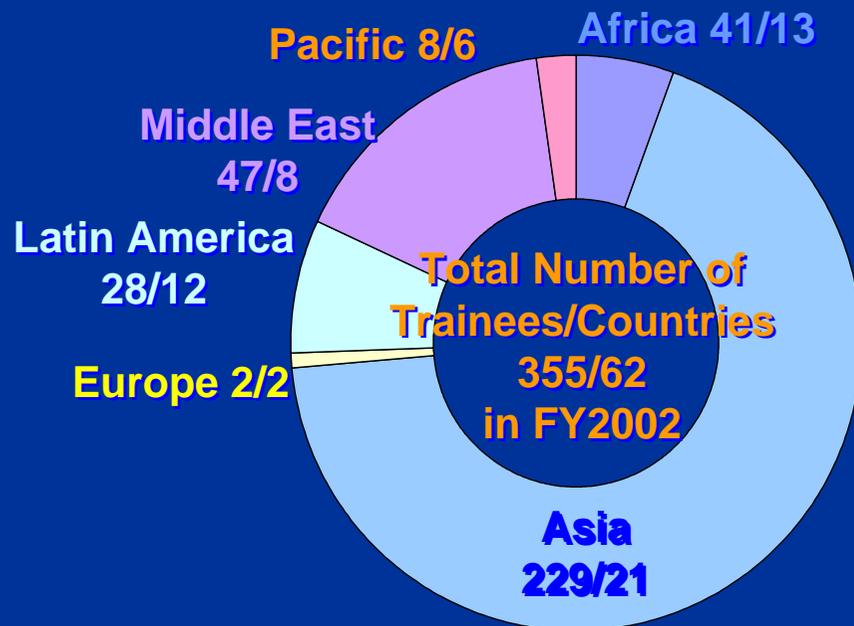
Many other projects will be coming!



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**