

# Role of ICHARM in Relation to IFI: An External View

Session 4: Capacity Building and Technical Information  
Sharing

International Workshop on Flood Risk Management

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- Capacity building
- Some principles of capacity building
- Role for ICHARM

# Capacity needs for

- Flood risk assessment
- Hazard reduction
- Structural development and maintenance
- Non-structural measures
- Climate proofing
- Urban flood resilience
- Disaster management
- etc

# Capacity building



# Some principles (WWDR II)

- Encourage self assessments of knowledge resources and capacity
- Enhance knowledge base through case studies, best practices etc
- Use ICT to increase and improve education at all levels
- Increase investments in hydrological data/monitoring network and remote sensing
- Provide clear mandate, effective organisation, and improved decision support for water management institutions



# Roles for ICHARM (1)

- Knowledge and information broker
  - Knowledge management task
  - Coordinating information exchange network between water institutes around the world
  - Portal, facilitating CoPs
  - Helping build capacity in such institutes to assimilate knowledge
- State-of-the-art reports on water hazards, risk, and flood management
- Assessment tools and systems to aid disaster mitigation

# Roles of ICHARM (2)

- Training courses eg
  - Flood hazard mapping (ICHARM Nov 2006 - Japan)
  - Climate proofing of urban and coastal areas (ICHARM, UNESCO-IHE, CPWC, RWS – proposed)
  - Flood modelling for management (UNESCO-IHE May 2006 – distance learning)
- Flood management educational platform

# Flood Management Educational Platform

Case studies

Programmes

Organisations

News

CoPs

Courses



Flood  
modelling for  
management

Flood  
risk  
assessment

Flood  
disaster  
management

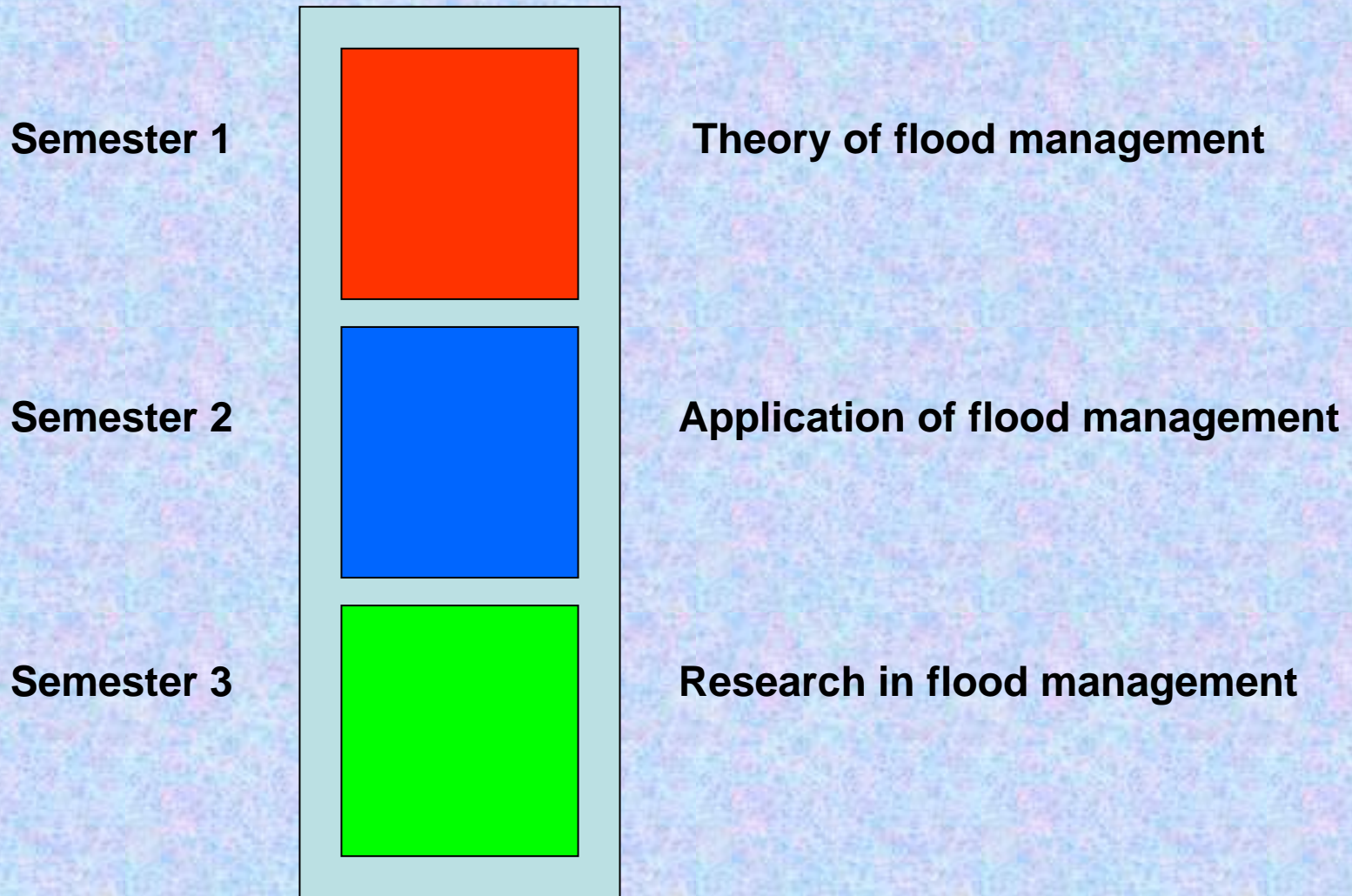
Etc



# Educational suggestion

- Proposed International Masters in Flood Management
  - Access to international knowledge and experience
  - Collaboration between existing institutes
  - Coupling with research
  - Mixed mode learning (distance, on-line, face-to-face)
- Joint venture between ICHARM and UNESCO-IHE with other key international institutes

# Programme structure



# International Masters in Flood Management

- 18 - 24 months
- Theory – application – research phases
- Students move to different centres (in different countries) for each semester
- Involvement of
  - Relevant academic institutions
  - Disaster institutes
  - Commercial laboratories
  - NGOs
  - Aid Agencies

**Thank you for your attention**