



**WMO**

# World Meteorological Organization

Working together in weather, climate and water

## Associated Programme on Flood Management (APFM)

**IFM HelpDesk Facility**

**23-25 February 2011**

**Luang Prabang, Lao PDR**

**Dr. W.E. Grabs [wgrabs@wmo.int](mailto:wgrabs@wmo.int)**



**World  
Meteorological  
Organization**



**HelpDesk**

For Integrated Flood Management



**Global Water  
Partnership**



# Setting the Scene: Settling on floodplains has enormous advantages



and at the same time poses great risks



# Integrated Flood Management: Objectives

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- **Sustainable development**: balancing development needs and flood risks
  - **Maximising net-benefits**: ensure livelihood security and poverty alleviation thereby reducing vulnerability
  - **Minimising loss of life**: in particular through preparedness planning for extreme events
  - **Environmental preservation**: ecosystem health & services
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# Linkage of APFM with Mekong River Commission's Flood Management and Mitigation Program (FMMP)

## Development objective

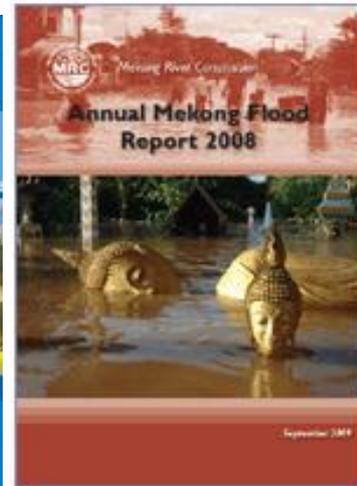
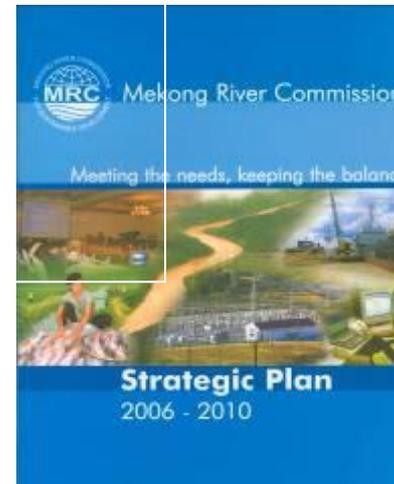
To prevent, minimize or mitigate people's suffering and economic losses due to floods, while preserving the environmental benefits of floods.

## Key Objective

**Balanced approach to Flood Management** and Mitigation (FMMP) and reinforce the region's commitment to "Living with Floods"

## Components of FMMP

1. Establishment of a Regional Flood Centre
2. Structural Measures and Flood Proofing
3. Mediation of Tran boundary Flood Issues
4. **Flood Emergency Management Strengthening**
5. Land Management



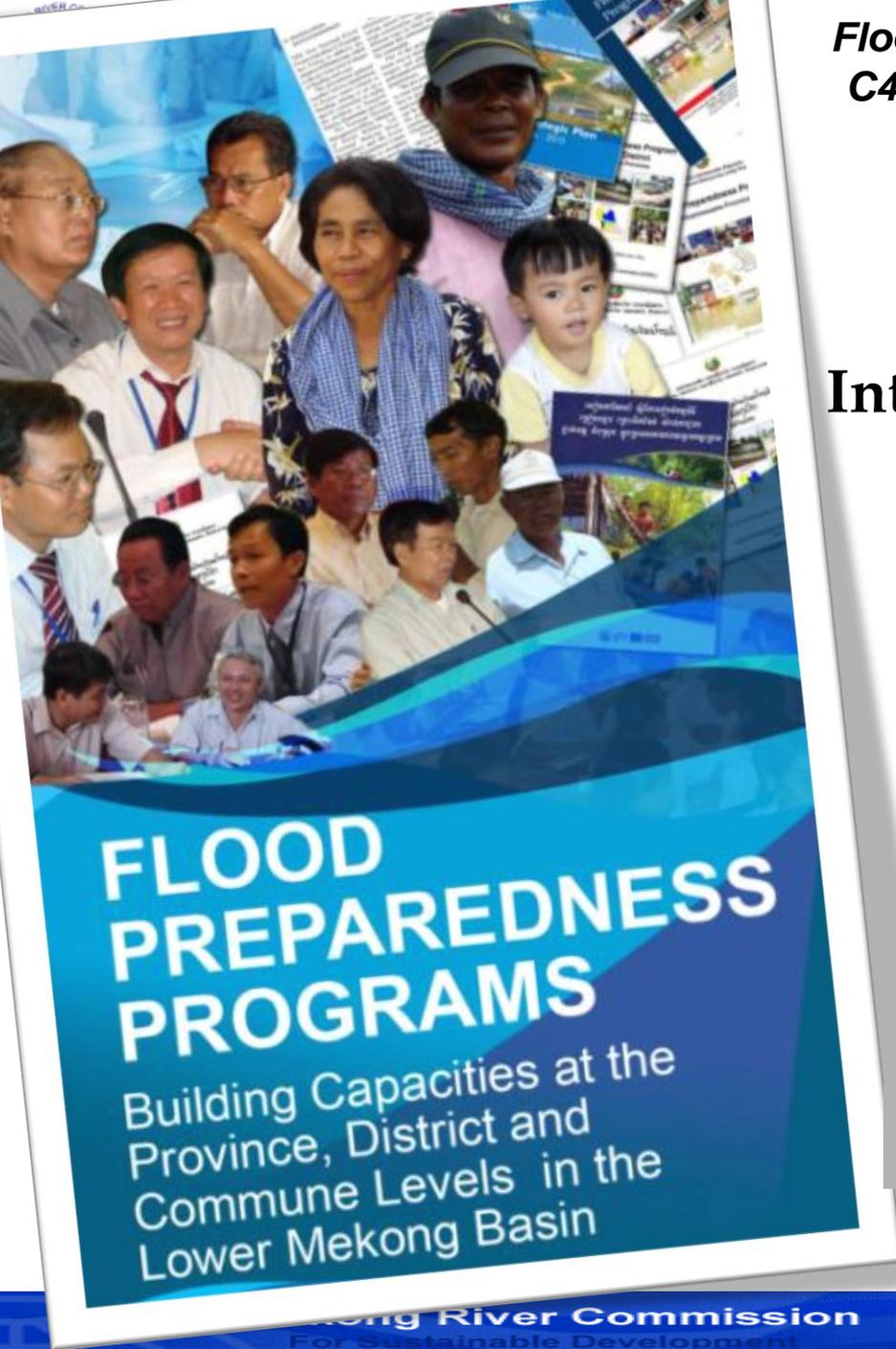
**Flood Management and Mitigation Program (FMMP)  
C4: Flood Emergency Management Strengthening**

**People-centered Approach in  
Integrated Flood Risk Management  
in the Lower Mekong Basin**



**Supporting the initiatives of  
Integrated Flood Management HelpDesk**

**Aslam Perwaiz  
Program Manager, ADPC**





# Associated Programme on Flood Management - Overview -

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Focus is on

- **implementation of the IFM concept** on the ground
  - through promotion of IFM Concept, development of Tools, Capacity Building using HelpDesk as principal platform for access to assistance in IFM
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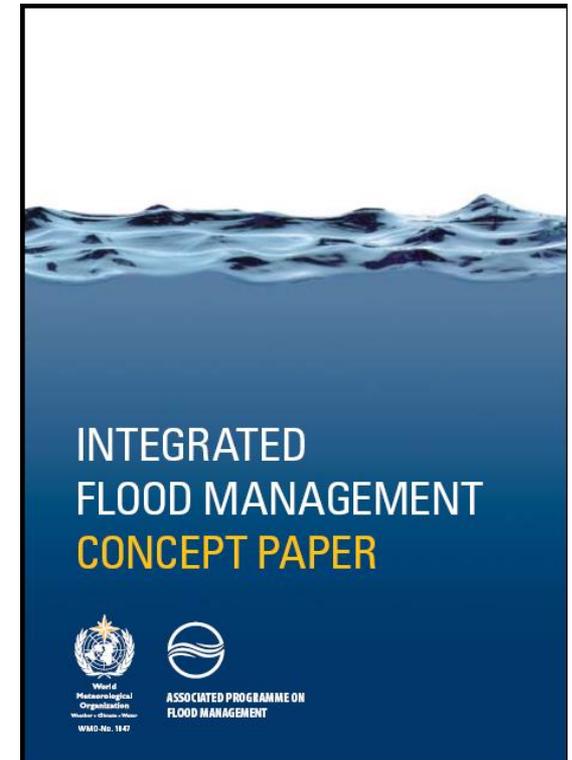


# IFM Concept Paper

- mainly to establish the principles of IFM
- English, French, Spanish, Russian and Japanese
- 3rd Edition issued in December 2009

## Elements strengthened or added in 3rd edition:

- Climate variability and change
- Urbanization and urban water management
- Adaptive and robust policy
- Risk management
- Multi-disciplinarity





# Dissemination of information

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## *Based on the APFM Communication Strategy*

- Newsletters
  - Conferences
  - Networking
  - Social Networks
  - **Web-based APFM and HelpDesk Portals**
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**HelpDesk**  
For Integrated Flood Management



# IFM HelpDesk

*A facility that provides **guidance on flood management policy, strategy, and institutional development** related to flood issues to countries that want to adopt the IFM concept*



*No Disaster Assistance or  
Flood Emergency Response Functions !!!*



# IFM HelpDesk Objectives

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- Provide **quick access** to relevant flood management information;
  - Provide **guidance and momentum for reform** in favor of IFM in countries or river basins in developing flood management policies, strategies and institutional arrangements;
  - Serve as a **link between flood management practitioners and decision-makers and multi-disciplinary scientific expertise and best practice**
  - Provide a continuous and **sustainable capacity development mechanism** in support of IFM implementation.
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# IFM HelpDesk

## Target Audience

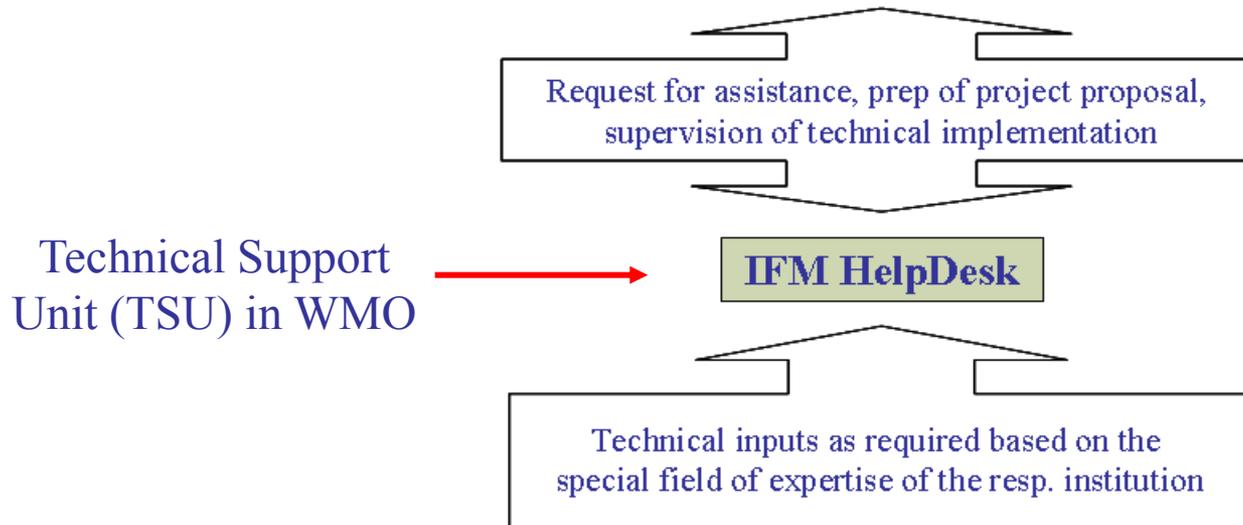
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- **Government officials** involved in decision making at various levels of Government, charged with a role in flood management
  - **River Basin Organizations**
  - **Bi- and Multilateral Organizations involved in Technical and Financial Cooperation**
  - **UN System organizations** with a role in flood management
  - Reputed **Non-Governmental Organizations** in particular those working with flood affected communities, Voluntary and Community-based Organizations
  - **Universities**
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# Principal HelpDesk Mechanism

**Beneficiaries:** Government institutions charged with a role in flood management, Non-Governmental Organizations in particular those working with flood affected communities, River Basin Organizations



**HelpDesk Support Base (decentralized):**  
Specialized institutes in various disciplines relevant for Integrated Flood Management



# IFM HelpDesk Outline

**Engage** in state-of-the art Flood Management Strategy Formulation, Policy Making and Legal Reform with full process coaching through the HelpDesk.

**Utilize** the HelpDesk in organizing advocacy workshops, awareness building campaigns and training at various levels to further integrated flood management.

**Be guided to** the right combination of information from various sources available under the HelpDesk.

## Get Help

Assistance for Flood Management Policy, Law and Strategy

Capacity Building for Integrated Flood Management

Rapid Guidance on Technical Tools and Advisory Material

Flood Management Tools

Questions and Answers Bank

Reference Centre Databases

Virtual Discussion Group

## Help Yourself

**Explore** Flood Management Tools with substantive guidance on specific methodologies, technologies and concepts for implementing Integrated Flood Management.

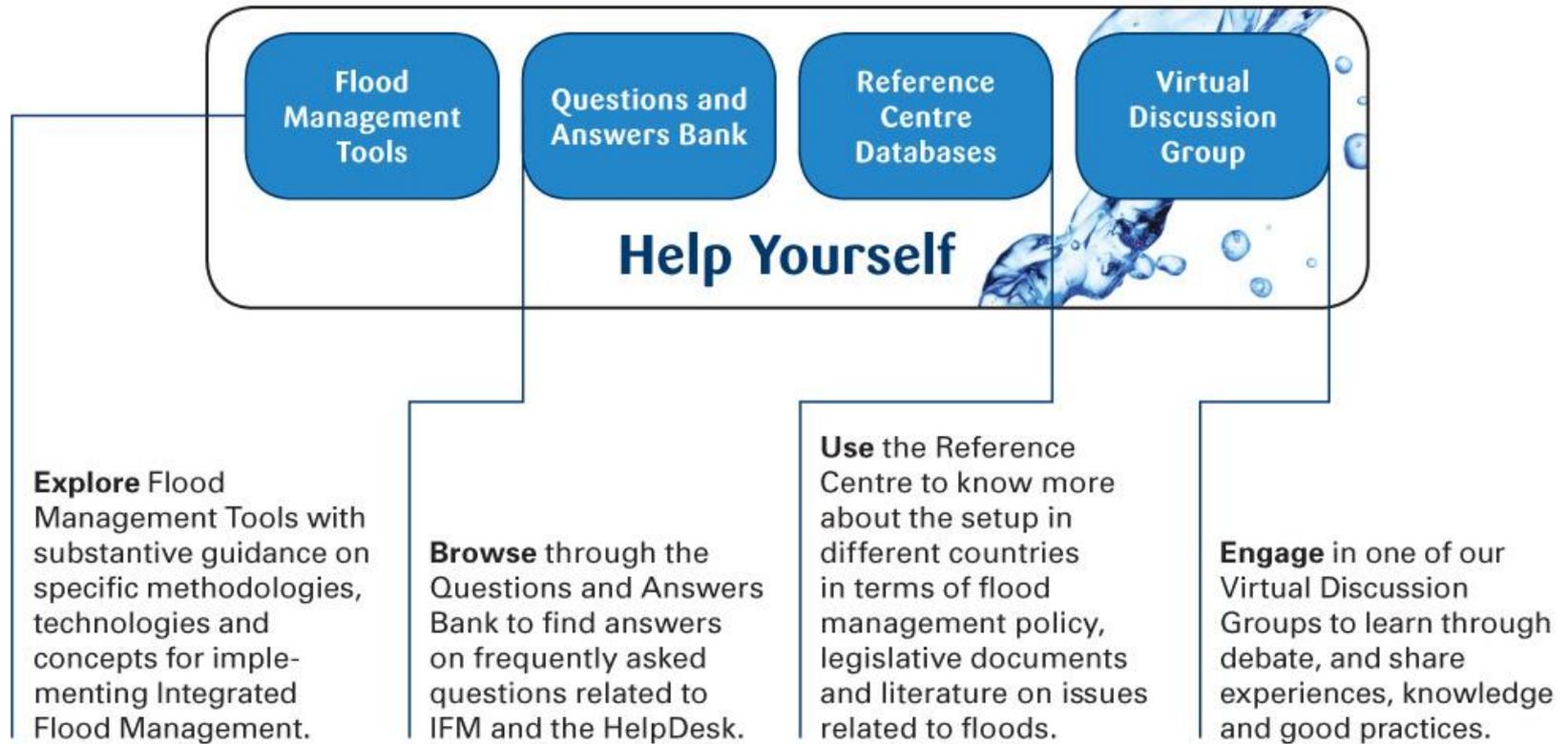
**Browse** through the Questions and Answers Bank to find answers on frequently asked questions related to IFM and the HelpDesk.

**Use** the Reference Centre to know more about the setup in different countries in terms of flood management policy, legislative documents and literature on issues related to floods.

**Engage** in one of our Virtual Discussion Groups to learn through debate, and share experiences, knowledge and good practices.



# IFM HelpDesk Service Spectrum





# IFM HelpDesk

## Virtual Discussion Groups

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- Flood Management Policy Forum
  - Flood Management Measures and Tools Forum
  - Past Flood Event Forum
  - Conferences, seminars, workshops on floods
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# Reference Centre on Flood Management

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- **Institutions and Agencies involved in Flood Management**

Serves as a tool to facilitate communication and cooperation between various agencies and institutions across the world that are involved in flood management.

- **Flood Management Policy and Legislation**

Provides flood-related policies, laws and regulations as a reference for policy makers, legal experts, researchers and executive functionaries in land and water management to support their efforts in introducing laws and regulations as a vehicle for change towards IFM.

- **Literature on Flood Management**

Provides literature relating to the various aspects of flood management and as such to serve as reference centre for a wide range of policy makers, planners researchers, executive functionaries in land and water management, NGO's, the media and the affected public.

<http://www.apfm.info/database.htm>

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# Flood Management Policy Series

## Key characteristics

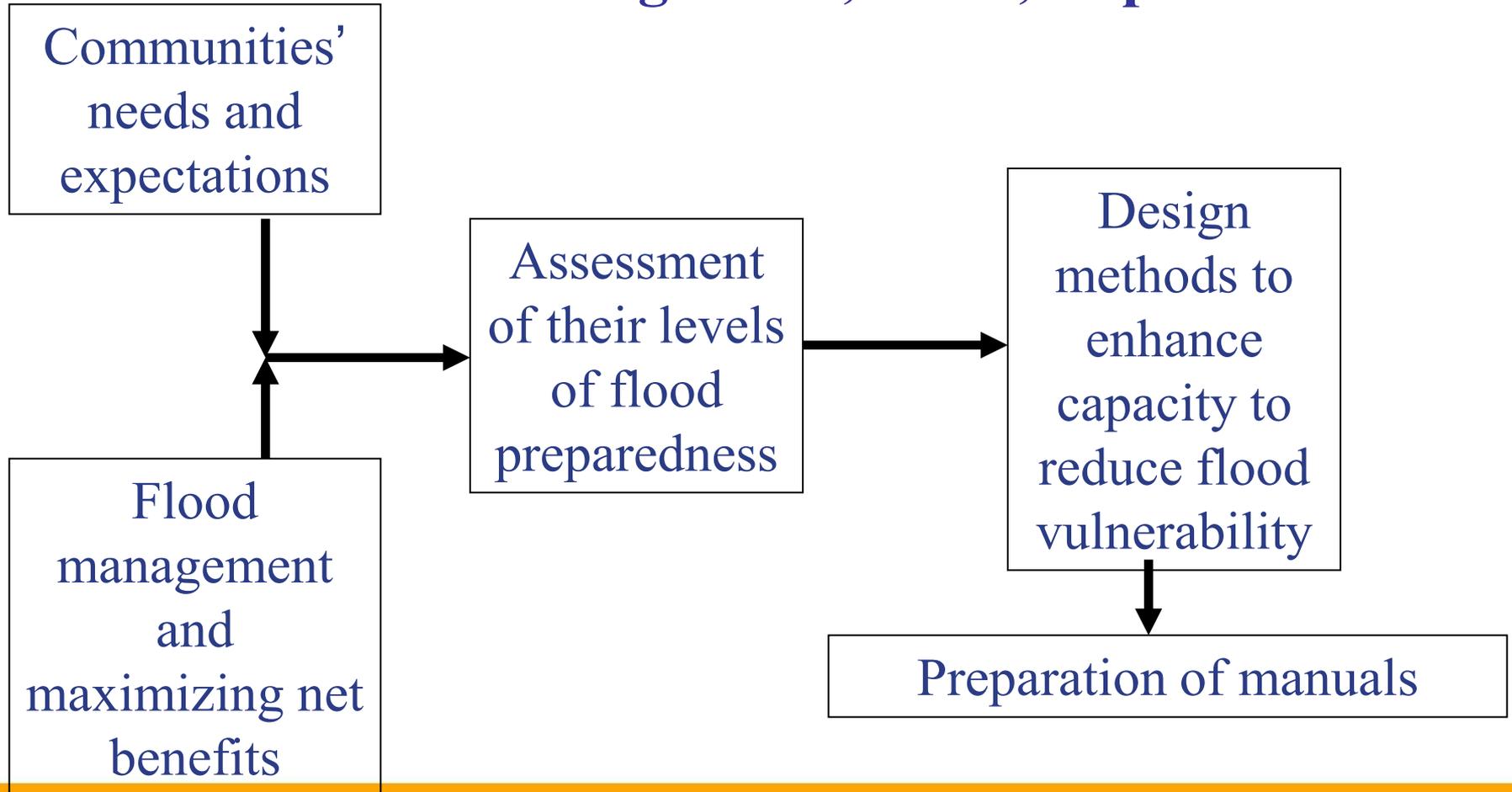
- Instrumental in bridging disciplinary gaps for IFM
- Expert-group based
- Peer-reviewed
- Specific target groups
  - Policy Makers
  - Flood Managers
  - Experts in respective special fields
- language and format adapted to target group





# DEMONSTRATION PROJECTS (Example)

## Community Flood Management Programme Bangladesh, India, Nepal





# IFM Tools

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- provide the **knowledge base** required for the implementation of IFM concepts in the field
- make the decision makers and planners **aware of the related issues**
- would be the **living documents** and **be updated** based on experiences sharing on the website

Tools would be useful for:

Capacity building;

Providing IFM HelpDesk services; and

Supplementing GWP ToolBox

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# Tools

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- Applying Environmental Assessment for Flood Management
  - Conducting Flood Loss Assessment
  - Formulating Basin Flood Management Plan
  - Rapid Legal Assessment
  - Organizing Community Participation for Flood Management
  - Reservoir Operations and Managed Flows
  - The Role of Land-use Planning in Flood Management
  - Urban Flood Risk Management
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# Tools

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- Flood Risk Sharing Mechanisms
  - Flood Emergency Planning
  - Adaptation to Climate Change in Flood Management
  - IFM as an adaptation tool for climate change: Case studies
  - Sediment-Related Disaster Management
  - Flash Flood Management (*upcoming*)
  - Flood Mapping Manual (*upcoming*)
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# Capacity Building

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**....Including**

**Operation of E-learning System**

*(in cooperation with TUHH)*

**Organization of national and regional IFM  
(training) workshops, world-wide**

*(in cooperation with CapNet)*

**Project WET**

*(in cooperation with UCAR and USAID )*

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# IFM HelpDesk Service Spectrum (cont.)

**Engage** in state-of-the art Flood Management Strategy Formulation, Policy Making and Legal Reform with full process coaching through the HelpDesk.

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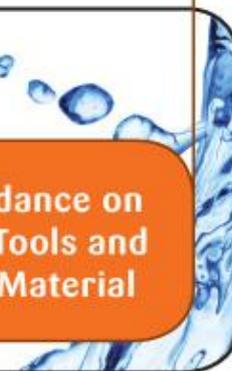
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## Get Help

Assistance for Flood Management Policy, Law and Strategy

Capacity Building for Integrated Flood Management

Rapid Guidance on Technical Tools and Advisory Material





# IFM HelpDesk Support Base

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- Decentralized network of **technical partners and multipliers**
  - Ensure **multidisciplinary inputs**
  - Minimum criteria for Membership
    - IFM concept as basis of action
    - Minimum level of in-kind support
  - Sign up through a Letter of Engagement
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# IFM HelpDesk Support Base Partners



...to be updated....



# IFM HelpDesk Coordination

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- Through the APFM **Technical Support Unit** in the HWR Branch

## **Functions:**

- Serve as the **point of contact** for incoming requests to the HelpDesk;
  - **Route incoming requests** to the required Members of the HelpDesk Support Base and coordinate follow up;
  - **Provide strategic advice** on all requests concerning flood management policy and strategy;
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# IFM HelpDesk Coordination (cont.)

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## Functions (cont.):

- Provide **technical backstopping** (not project management) to project implementation for projects developed under the HelpDesk;
  - Maintain and upgrade the components of the “**Help yourself**” **section of the HelpDesk**. Develop new components of the “Help yourself” section if and as required;
  - **Maintain and strengthen the HelpDesk Support Base** and linkages to financial partners;
  - Develop and implement a **HelpDesk Marketing package**;
  - Provide **Advocacy for IFM concepts** in selected international and national policy initiatives.
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# IFM HelpDesk WMO's Commitment

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WMO supports the functions of the HelpDesk through:

- the provision of **professional staff support** from the Hydrology and Water Resources Branch of WMO and the APFM Technical Support Unit;
  - the provision of logistics in form of **office space and utilities** for the HelpDesk;
  - **web hosting** for relevant parts of the HelpDesk;
  - provision of **technical inputs** from the Hydrology and Water Resources Branch of WMO and the Associated Programme on Flood Management
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- ❖ Home
- About us
- IFM Concept
- Policy Series
- Case studies
- Regional Pilot Projects
- Capacity Building
- Newsletters
- Publications
- Databases
- Tools
- Events

## "A New Approach to Flood Management" Integrated Flood Management

For more Information please visit



[www.apfm.info](http://www.apfm.info)

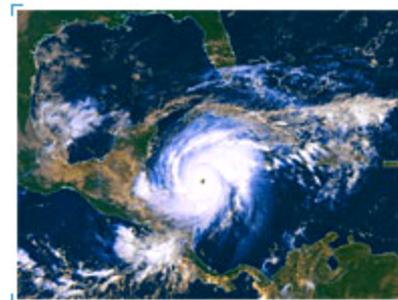
**THANK YOU**

At the same time, the stable and effective management of water resources is a fundamental element of a holistic approach linking socio-economic development with the protection of the natural environment and appropriate management of water resources. It is a challenge that requires a dynamic system which is able to respond to the changing conditions between land and water. In the light of this, it is necessary to develop strategies to improve the functioning of the river basin as a whole rather than simply focusing on local projects.

This has called for [Integrated Flood Management \(IFM\)](#), a new approach which gives consideration to the basin as a whole and to the negative aspects of flood water as well as to the valuable resource that is represented by the flood plains that these waters occupy on occasions.

It integrates land and water resources development in a river basin, within the context of [Integrated Water Resources Management \(IWRM\)](#), with a view to maximizing the net benefit from floodplains and minimizing loss to life due to extreme hydrologic events.

[For more information](#)



### What's new

- ▶ Flood Management Events ([Up coming Events](#))
- ▶ [IFM HelpDesk Concept Note](#) and flyers ([En](#), [Fr](#), [Sp](#)) have been uploaded.
- ▶ [Legal and Institutional Aspects of IFM](#) and [Environmental Aspects of IFM](#) have been translated into Japanese by [JICE](#) and uploaded.
- ▶ [Newsletter No.18](#) has been published
- ▶ [IFM HelpDesk- Partners Workshop](#) has been updated
- ▶ [IFM HelpDesk webpage](#) has been updated
- ▶ [IFM Regional Training of Trainers \(Lima, Peru\) Course Proceedings](#) has been published
- ▶ [Flood Management Events \(Up coming Events\)](#)
- ▶ [Article](#) on summer floods in Moldova
- ▶ New publication "[Urban Flood Management](#)" has been updated
- ▶ [Newsletter No.17](#) has been published

(Last update: 6 February 2009)

