



Seminar on:
**Integrated flood risk management in
Sweden – How to achieve it?**

Stockholm, Sweden, 12 November 2013

The background of the slide is a photograph of water with gentle ripples, creating a textured, blue surface. The water appears to be moving, with small waves and ripples visible across the entire frame.

**Associated Programme on Flood Management:
IFM HelpDesk, activities and outcomes**

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Associated Programme on Flood Management

Mission

“to support countries in the integrated management of floods within the overall framework of Integrated Water Resources Management.”





APFM Background

Joint Initiative

World Meteorological Organization (WMO)

Global Water Partnership (GWP)

Secretariat

Technical Support Unit (TSU) embedded in the
Hydrology and Water Resources Branch (6 staff)

Trust Fund contributors: Japan, Netherlands,
Switzerland and USAID

In-kind contributors: Japan, Germany, Italy

Currently in its 12th year of activity



Activities of the APFM



- Compilation of guidance and advisory tools
- Field Demonstration Projects
- Strategic advice on flood management through a HelpDesk
 - Developing training and advocacy material
 - Capacity building
 - Building a network of institutions supporting multi-disciplinary approach



WMO OMM



HelpDesk
For Integrated Flood Management

A contribution to the International Flood Initiative



Global Water Partnership

Associated Programme on Flood Management

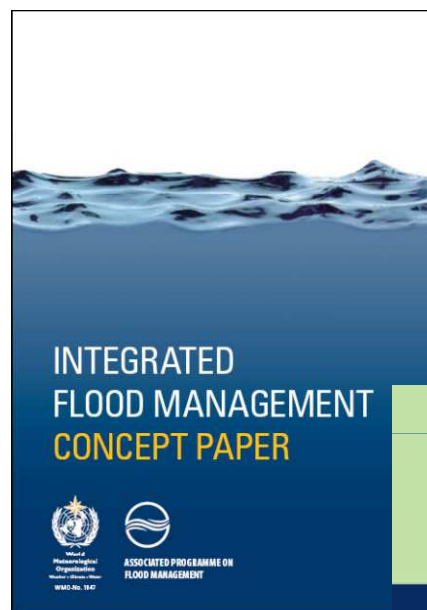
English - Français - Español
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Flood Management Policy Series

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
- Target group adapted language and format
- Made available in English, French and Spanish





Flood Management Case Studies

Africa - Cameroon, Ethiopia, Mali, Mauritania, and Zimbabwe

Asia - Bangladesh, China, India, Japan, and Pakistan (2)

North and Central America - Canada, USA (2)

South West Pacific – Fiji

Europe - Italy, Turkey, UK, Germany, Ukraine





Flood Management Tools Series

- Bridging disciplinary gaps, provide the IFM context and rapid access to operational tools/methods
- Based on existing knowledge in most cases
- Living documents





IFM Tools List

- Formulating **Basin Flood Management Plans**
 - **Rapid Legal Assessment** Tool
 - The **Role of Land-use Planning** in Flood Management
 - Adaptation to **Climate Change** in Flood Management
 - Organizing **Community Participation** for Flood Management
 - Applying **Environmental Assessment** for Flood Management
 - Conducting **Flood Loss Assessment**
 - **Risk sharing** in Flood Management
 - **Reservoir Operations** and Managed Flows
 - **Urban Flood Risk** Management
 - Case studies on **adaptation to Climate Change** in Flood Management
 - Flood **emergency planning**
 - **Flood proofing**
 - **River restoration and wetlands** conservation
 - **Flash Flood** Management
 - **Mud Flows and Land Slides** Management
 - **Urban Flood** Management in a **changing climate**
 - **Coastal and Delta** flood management
 - **Effectiveness of flood management** measures
-



IFM Tools - Upcoming

- **Transboundary** flood management
 - **Flood forecasting** and **early warning**
 - Guidelines on **Flood Mapping**
 - Flood management in a **multi-hazard environment** and for the private sector
 - **Crisis mapping** and **crowd sourcing**
 - **Public perception** of flood risk and **Social Impact Assessment**
 - **Decision support systems** and serious gaming
 - **Effectiveness of flood management** measures (**case studies**)
 - **Role of the media** in Flood Management
 - **Health and Sanitation Aspects** of Flood Management
 - **Regulations and technical standards** of flood Management
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Flood Management Reference Centre

The Reference Center on Flood Management contains several interactive databases on:

- Institutions and Agencies involved in Flood Management;
- Flood Management Policy and Legislation;
- Literature on Flood Management

→ Decentralized input through web interface



Capacity Building

- Vocational trainings (short trainings and workshops for different target groups)
 - Trainings of trainers on:
 - Integrated Flood Management
 - Urban Flood Management
 - Community approach to flood management
 - E-learning platform for flood managers
 - Outreach for teachers and students
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Regional pilot projects

- Pilot projects have been undertaken in
 - South Asia (Community approach)
 - Africa (Flood management strategies)
 - Central and Eastern Europe (Flash Floods)



- **Aim of pilot projects:** develop and implement IFM concept and its application through demonstration (with third party funding).



Support to National Strategies

- Development of Strategies on Integrated Flood Management at the National level



- Implemented (or ongoing) in Kenya, Zambia, Pakistan, Thailand, Lao PDR, Mexico
- Needs good access to policy makers, but ensures durability to the approach



Conceived as “a facility that will provide guidance on flood-related issues to countries that want to adopt the IFM concept”

HelpDesk



- Provide quick access to relevant flood management information;
- Provide guidance and momentum for reform activities towards IFM in the countries or river basins;
- Provide a continuous and sustainable capacity development mechanism in support of IFM implementation.
- Serve as a link between flood management practitioners or decision makers and required experts in various fields;
- Serve as link between various technical and financial partners.

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

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
Guidance**

**Capacity Building
for Integrated
Flood Management**

**Rapid Guidance on
Technical Tools
and Advisory
Material**

**Tools and
Publications**

Education

**Database
Reference
Centre**

**Questions and
Answers**

Help Yourself

Explore the Policy and Tool Series on the general concept of Integrated Flood Management and guidance material tailored to methods and concepts for implementation.

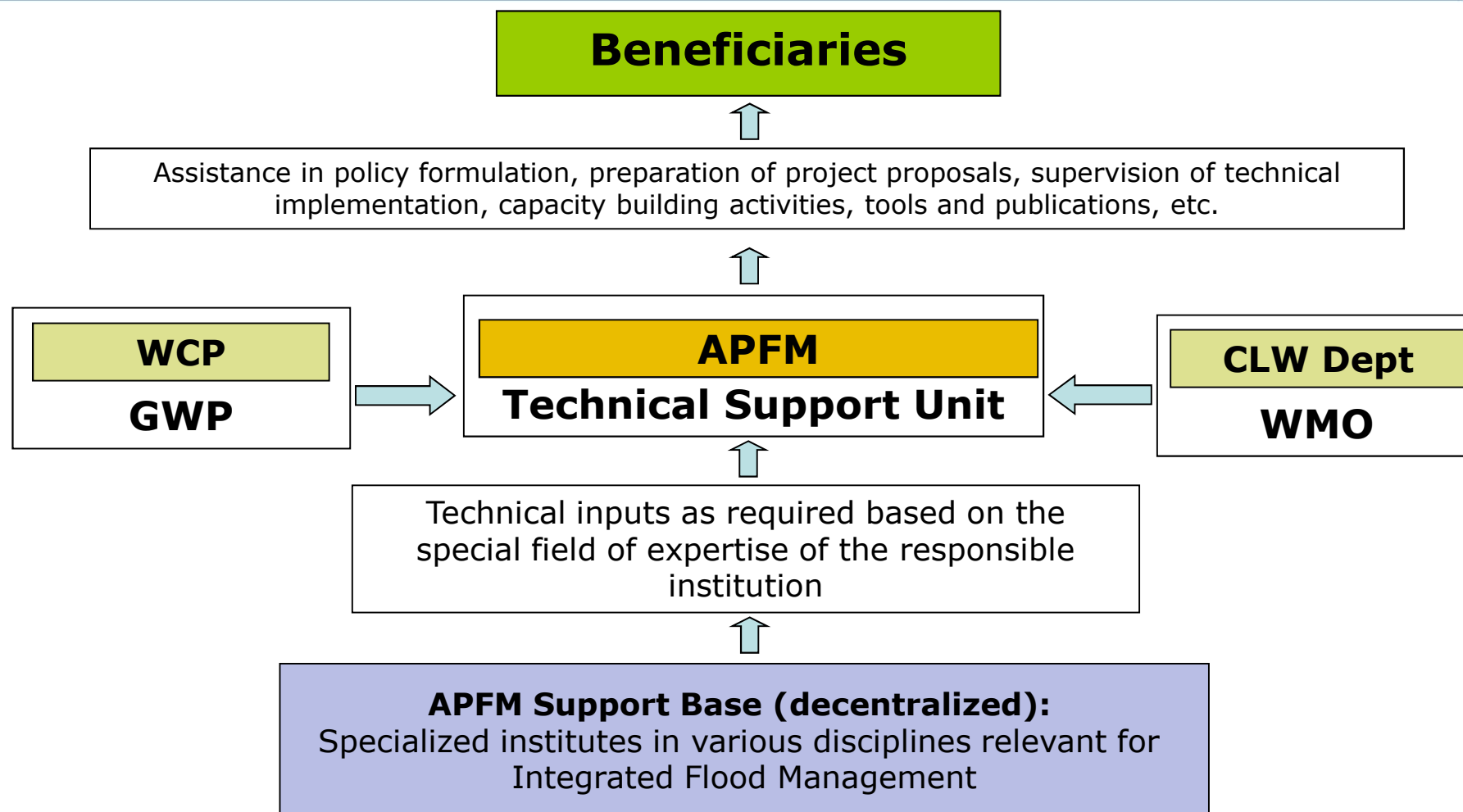
Learn more about training material for kids and get connected to e-learning platforms addressing the various aspects of Integrated Flood Management.

Use the Reference Centre to know more about different institutions involved in flood management as well as policies and literature on issues related to floods.

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



Mechanism and Actors





IFM HelpDesk Support Base Partners

 WMO	 ISDR	 Global Water Partnership	 ICHARM	 Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra Swiss Confederation Federal Office for the Environment FOEN	 国土交通省
 Cap-Net	 adpc	 CILSS	 Australian Government Bureau of Meteorology		 Deltares Enabling Delta Life
 EUROAQUAE River Hydro-Meteorology and Flood Management	 TUHH Technische Universität Hamburg-Harburg	 IAHS AISH	 IAHR AIRH	 KOREA WATER FORUM KWF	 RCUWM YUNNAN
 KOREA WATER RESOURCES ASSOCIATION	 NRCBN-RE Nile Basin Capacity Building Network For River Engineering	 CEDEX CENTRO DE ESTUDIOS Y EXPERIMENTACIÓN DE OBRAS PÚBLICAS	 DHI	 SIWI	
 JWA Japan Water Agency	 UNESCO-IHE Institute for Water Education	 UNIVERSITY OF DUNDEE	 University of Idaho	 UNOSAT	 JICE



For more details:
www.floodmanagement.info



Thank you for your attention