

NATIONAL REPORT ON IHP RELATED ACTIVITIES

THAILAND

1. ACTIVITIES UNDERTAKEN IN THE PERIOD July 2006-May 2008

- 1.1 Meeting of the IHP National Committee
 - 1.1.1 Decision regarding the composition of the IHP National Committee
 - 1.1.2 Status of IHP-VI activities
 - 1.1.3 Decisions regarding contribution to/participation in IHP-VII
- 1.2 Activities at national level in the framework of the IHP
 - 1.2.1 National/local scientific and technical meetings
 - 1.2.2 Participation in IHP Steering Committees/Working Groups
 - 1.2.3 Research/applied projects supported or sponsored
 - 1.2.4 Collaboration with other national and international organizations and/or programmes
 - 1.2.5 Other initiatives
- 1.3 Educational and training courses
 - 1.3.1 Contribution to IHP courses
 - 1.3.2 Organization of specific courses
 - 1.3.3 Participation in IHP courses
- 1.4 Publications
- 1.5 Participation in international scientific meeting
 - 1.5.1 Meetings hosted by the country
 - 1.5.2 Participation in meetings abroad
- 1.6 Other activities at regional level
 - 1.6.1 Institutional relations/co-operation
 - 1.6.2 Completed and ongoing scientific projects

2. FUTURE ACTIVITIES

- 2.1 Activities planned until December 2007
- 2.2 Activities foreseen for 2008-2009
- 2.3 Activities envisaged in the long term

National Report on IHP Related Activities Thailand

1. Activities undertaken in the period of July 2006- May 2008

1.1 Meeting of the IHP National Committee

1.1.1 Decision regarding the composition of the IHP National Committee

According to the reshuffle of Director-General of the Department of Water Resources in late 2007, Thailand National Committee for IHP (TNC-IHP) is now having Mr. Adisak Thongkhaimook, Director-General of the Department of Water Resources served as a Chairman of this committee. The present composition of TNC-IHP consists of 22 members as follows:

- Chairman: Mr. Adisak Thongkhaimook, Director-General of the Department of Water Resources
- Vice Chairmen: 1. Professor Kasem Chunkao, Environmental College, Kasetsart University
2. Deputy Director-General of the Department of Water Resources
- Secretary: Mr. Boontham Sirichai, Director of Bureau of Research, Development and Hydrology, Department of Water Resources
- Members: Representatives from concerning agencies and individuals are as follows:
1. Bureau of Royal Rainmaking and Agricultural Aviation
 2. Royal Irrigation Department
 3. National Park, Wildlife and Plant Conservation Department
 4. Hydrographic Department
 5. Meteorological Department
 6. Marine Department
 7. National Research Council of Thailand
 8. The Thailand Research Fund
 9. Secretarial of the Thai National Commission for UNESCO
 10. Department of Ground Water Resources
 11. Electricity Generating Authority of Thailand
 12. Mrs. Wajee Ramnarong
 13. Mr. Thawatchai Tingsanyacharee
 14. Associate Professor Suravuth Pratishtananda
 15. Mr. Satcha Sethabuttra
 16. Mr. Veeraphol Taesombat
 17. Ms. Sukontha Aekaraj
 18. Mrs. Poonsook Vimukatayon

The mailing address are as follow:

Thailand National Committee for the IHP
Department of Water Resources
180/3 Rama 6 Road, Samsennai,
Phayathai, Bangkok, 10400, Thailand
Tel : +66-22986604 Fax: +66-22986604
Email : sukonth_a@mnre.go.th

During this period, Thailand National Committee for IHP (TNC-IHP) held the meeting to revise and review all activities to conduct the new appropriate National Policy and Master Plan on Hydrology.

1.1.2 Status of IHP-VI activities

- a) Implementation of the Integrated Water Resources Management in 29 small sub-basins out of 25 major river basins.
- b) Organization of the Training on Information, Education and Communication to the stakeholder and local communities in the river basins.
- c) Flood Forecasting and Management in Upper Mun-Chi River Basin
- d) Continuing installation of Flood and Landslide Early warning System : Public Participatory Approach and Community Based in Upland Risk Area
- e) Continuing construction of the water supply systems to provide clean water and consumption targeting for all villages of the whole country.

1.1.3 Decisions regarding contribution to/participation in IHP-VII

Thailand National Committee for the IHP presents its support to the proposal framework for IHP-VII. Some specific issues that should be highlighted are

- Methodologies for integrated river basin management
- Promotion of public awareness raising on water management
- Institutional development and networking for WET
- Guidelines on the sustainable and integrated water management with due consideration to public's living quality and participation
- Increasing the available sources water by improving both of existing natural and man-made sources
- Flood and Drought Management

1.2 Activities at national level in the framework of the IHP

1.2.1 National/local scientific and technical meetings

- Workshop on Hi-tech in Meteorological and Hydrological Data, on 24 February 2006, Bangkok, Thailand
- National Workshop on Increasing Efficiency in Integrated Water Resources Management on 4-5 May 2006, Nakhon Pathom Province
- Workshop on Water Resources Management Strategy in Thailand on 21-22 June 2006, Bangkok, Thailand
- National Workshop on Impact of Climate Change on Water Resources Engineering on 30-31 Aug 2007, Bangkok, Thailand

1.2.2 Participation in IHP Steering Committees/Working Groups

- a) Meeting and Discuss Initiatives possible grounds for cooperation around the International Flood Initiative and International Sediment Initiative with Sustainable Water Management Section Division of Water Sciences UNESCO on 31 January 2006, Bangkok, Thailand
- b) UNESCO PCCP-South & Southeast Asia Brainstorming on 21 April 2006, Bangkok, Thailand
- c) The representatives from TNC-INP attended the 14th Regional Steering Committee Meeting for the IHP in Southeast Asia and the Pacific and International Symposium on Managing Water Supply for Growing Demand on 16-20 October 2006, Bangkok, Thailand
- d) The representatives from TNC-INP attended the 15th Regional Steering Committee Meeting for the IHP in Southeast Asia and the Pacific and International Symposium on Hydrology and Water Resources Management for Hazard Reduction and Sustainable Development (HRSD 2007) on 19-23 November 2007, Manila, Philippines

1.2.3 Research/applied projects supported or sponsored

- a) Study on Antecedent Precipitation Index for Flood and Landslide Early Warning System.
- b) Study on the Impact of Tsunami on Inland Water Resources
- c) Area-based Water Resources Management System Development along with Decision Support System and Social Process in Rayong Province Area
- d) Study on Develop and Management in Inundate Area for Flood Mitigation in Chao Phraya river basin by Royal Initiative Project
- e) Water Resources Management by Local Community
- f) Decision Support System in land use planning as a tool for river basin management in eastern Thailand
- g) Delineation of river basin boundaries (25 major river basins including 254 sub-river basins)
- h) Integrated Water Resources Management: Case study in Lower Loei basin
- i) Integrated Water Resources Management in Yom river basin
- j) Study on Social Model for Water Conflict in Bangpakong river basin
- k) NDVI (Normalize Differential Vegetable Index) for Drought Forecasting
- l) API Application in Flash Flood and Landslide
- m) Application of Local Wisdom in Water Resources Management
- n) The Development of participatory process to empower local community in water resources management: Case Study in Mun river basin
- o) Study on the Risk Factors and Community Livelihood in Flood and Landslide Hazard Area: Case Study in Upper Ping river basin

1.2.4 Collaboration with other national and international organizations and/or programmes

- a) Collaboration with Mekong River Commission in Appropriate Hydrological Network Improvement Project, Basin Development Plan, Water Utilization Programme, Environment Programme, Flood Mitigation Management Programme and Drought management Programme, Mekong HYCOS and start up Integrated Knowledge Management Programme
- b) Collaboration with Typhoon Steering Committee
- c) Collaboration with APN Inter-Government on Global Change
- d) Collaboration in the Convention on Climate Change
- e) Collaboration with ASEM Waternet
- f) Collaboration with NARBO (Network of Asian River Basin Organization)
- g) Collaboration with ASIAN Working Group on Water Resources Management

1.2.5 Other initiatives

- Study on Integrated Water Resources Management in Nam Yom Basin Project in collaboration with ADB
- Study on Social Model for Water Conflict in Bangpakong Basin Project in collaboration with ADB
- Thai-New Zealand Partnership in Exchange of Research on Water Allocation

1.3 Educational and training courses

1.3.1 Contribution to IHP courses

-

1.3.2 Organization of specific courses

- Training for Trainer on the Integrated Water Resources Management on 12-14 July 2006, Bangkok
- Training on Telemetry and MIKE II Model on 22-26 January 2007, Bangkok
- Training on Hydrology and Applied Hydrology on 14-18 May 2007, Kanchanaburi Province, Thailand
- Training on Decision Support Framework in Mae Kok Basin and Nam Songkhram Basin on 25-29 June 2007, Bangkok.
- Training on Applied GIS for Water Resources Management on 25-26 June 2007, Bangkok
- Training on Research Training for New Researcher on 30-31 August 2007, Bangkok.

1.3.3 Participation in IHP courses

- A representative from Thailand attended the training courses on Water and Carbon Cycles in Terrestrial Ecosystems on 26 February - 11 March 2006, Japan

1.4 Publications

- Hydrological and Meteorological Year Book
- Development of Master Plan for Management of Natural Disasters : Floods and Droughts
- Development of Master Plan for Management of Natural Disasters : Landslides
- Flood Early Warning Model

1.5 Participation in international scientific meeting

1.5.1 Meetings hosted by the country

- The 14th RSC Meeting for UNESCO-IHP Southeast Asia and the Pacific in conjunction with International Symposium on Management Water Supply for Growing Demand on 16-20 October 2006, Bangkok, Thailand
- Thematic Workshop on Water Allocation and Water Rights 1 in December 2006 for NARBO (Network of Asian River Basin Organization)
- The 1st Technical Seminar of ASEM Waternet on 23-25 April 2007 for ASEM Waternet
- The 4th Thematic Workshop on Sustainable Management for Water Resources Infrastructures on 4-7 February 2008 for NARBO

1.5.2 Participation in meetings abroad

A representative from Thailand participated in

- The 2nd and 3rd Thematic Workshop on Water Allocation organized by NARBO in Bangladesh and Sri Lanka
- The 4th World Water Forum on 16-22 March 2006, Mexico City

- The 6th, 7th and 8th Meeting of ASEAN Working Group on Water Resources Management in May 2006, Philippines, in July 2007, Malaysia and in June 2008, Singapore
- The 9th River Symposium on 4-7 September 2006, Brisbane, Australia
- The 40th Typhoon Steering Committee, Makao, China
- Study Tour on Flood Management on 14-17 March 2007, Japan
- Study Tour on Water Allocation on 11-15 June 2007, New Zealand
- Study Tour on Dam Management and Water Resources Conservation on 8-16 June 2007, China
- A Greater Mekong? Poverty, integration and Development on 26-27 September 2007, Sydney, Australia
- Study Tour on Watershed Management on 17-21 September 2007, Australia
- The 3rd Southeast Asia Water Forum (SEAWF) on 22-26 October 2007, Malaysia
- International Forum of Riverfront and Watershed Restoration “Urban River Restoration through Sustainable Development” on 29 November – 4 December 2007, Japan
- International Conference on Adaptive and Integrated Water Management (CAIWA) on 12-15 November 2007, Switzerland
- The 1st Asia Pacific Water Summit on 2-6 December 2007, Japan
- Network of Asian River Basin Organization: NARBO on 20-22 February 2008, Indonesia

1.6 Other activities at regional level

1.6.1 Institutional relations /co-operation

- TNC-IHP has remained close coordination and contacts with UNESCO Jakarta Office in many activities.
- Close coordination and contact with the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) and World Meteorological Organization (WMO) as member of the Typhoon Committee

1.6.2 Completed and ongoing scientific projects

- Formulation on the Integrated Master Plan for Water Resources Management in 25 Major River Basin of Thailand
- Study on antecedent precipitation index for flood and landslide early warning system
- Study on the Impact of Tsunami toward Inland Water Resources
- Development and improvement in the hydrological and meteorological monitoring network in Bangpakong river basin and Prachup Khirikhan coastal basin for water resources management including flood forecasting and management
- Established telemetry hydro-meteorological stations in Mun and Chi river basins for flood forecasting and management.
- Continued to develop and set up a flood and landslide warning system in mountain and upland area
- Promote the Year of National Water Agenda in Various Campaign Weeks
- Preparation and promotion the master plan for national short and long term plan for flood mitigation

2 FUTURE ACTIVITIES

2.1 Activities planned until December 2008

- Strengthening cooperation with other countries in Lower Mekong river basin
- Raise public awareness and education in integrated water resources management
- Raise public participation in integrated water resources management
- Implementation on integrated water resources management in pilot river basin
- Promote the Year of National Water Agenda in Various Campaign Weeks
- Promotion the master plan for national short and long term plan for flood mitigation.

2.2 Activities foreseen for 2009-2010

- Continuation of Collaboration with RSC for Asia and Pacific
- Continuation of involvement in *Asian-Pacific FRIEND*
- Enhancing activities contributed to IHP-VII
- Enhancing activities in Flood and Drought Management
- Continuation of promotion on Integrated Water Resources Management
- Expansion of an Integrated Water Resources Management implementation to the rest of the country

2.3 Activities envisaged in the long term

- Enhancing activities contributed to IHP-VII
 - Enhancing activities in Flood and Drought Management
 - Expansion of an integrated water resources management implementation to the rest of the country
 - Continuation of raising public awareness and education in water resources management
 - Continuation of raising public awareness in efficient water resources management
 - Continuation of raising public participation for better water resources management
-