



US Army Corps
of Engineers®



**MEMORANDUM OF UNDERSTANDING
BETWEEN**

**THE INSTITUTE FOR WATER RESOURCES (IWR)
AND
THE INTERNATIONAL CENTRE FOR
WATER HAZARD AND RISK MANAGEMENT (ICHARM)**



The International Centre for Water Hazards and Risk Management (ICHARM) of the Public Works Research Institute (PWRI), under the auspices of the United Nations Educational, Scientific and Cultural Organization (UNESCO), and the Institute for Water Resources (IWR), of the United States Army Corps of Engineers (USACE), hereinafter jointly referred to as "the Parties":

Having a common interest in integrated water resources management, sustainable development, water hazard risk reduction and unified flood plain management;

Having independent missions with technical activities of mutual interest to promote research, capacity-building and enhance the use of effective water resources development and management policies throughout the world;

Recognizing ICHARM's mission to establish a world-wide Partnership for Water Hazard and Risk Management program and IWR's parallel mission and interest in contributing to this Partnership;

Recognizing further the agreement between the USACE and the Ministry of Land Infrastructure and Transport (MLIT) of Japan, which is also based on a common interest in flood control and water resources management;

Desiring to promote and enhance social well-being, environmental quality, sustainable economic development, public health and safety and community welfare by fostering research, development and the improvement of flood control and water resources development and management, and to promote, encourage and advance systems of safer, more economical, efficient and environmentally sound flood and storm damage reduction and water resources development and management through research, development, capacity building and cooperation in these fields; and

Recognizing the mutual cooperation and joint activities consistent with the policies, goals and laws governing each party would be beneficial to each party's mission for contributing to global society in the field of water resources development and flood risk management;

Do hereby simultaneously declare the following framework of partnership:

Article I

ICHARM and IWR will use their best efforts to establish a long-term cooperation and partnership in the field of flood and storm damage reduction and water resources development and management for developing countries and countries in transition. The Parties are especially interested in pursuing cooperative opportunities in the following areas of common interest:

- 1 Flood control, flood plain management and integrated water resources management (IWRM)
2. Infrastructure development and related engineering design standards and procedures

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**International Centre for Water Hazard
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Public Works Research Institute (PWRI)
1-6, Minamihara, Tsukuba-shi, Ibaraki-ken
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3. Hydrologic analysis, risk analysis, flood mapping and systems analysis modeling
4. Flood disaster prevention, forecasting, evacuation planning, recovery and reconstruction
5. Landslides, debris flows, storm surges and tsunami modeling and characterization
6. Water quality, hazards remediation, health and safety
7. Environmental restoration, flood-related eco-hydrology
8. Consensus building and conflict resolution
9. Water policy, governance and institutional aspects
10. Sustainable development, land use planning and management
11. Capacity building and training
12. Educational methods and systems

Article II

Each party shall designate a Principal Representative to serve as the primary point of contact between the parties on all matters arising under this Partnership Document.

Article III

Any cooperative activity undertaken between the parties shall only be done under the authority of the laws, regulations, and policies governing each party individually.

Article IV

Notwithstanding any other provision herein, nothing in this Partnership Document shall be construed as binding under International Law. Further, nothing in this document shall be construed as either authorizing or obligating either party to commit funds or resources to any project or work except as otherwise authorized by the laws, regulations, and policies governing each party individually.

Article V

This Partnership Document shall become effective when signed by both IWR and ICHARM.



ROBERT A. PIETROWSKY
Director, IWR



KUNIYOSHI TAKEUCHI
Director, ICHARM

3 July 2006
DATE

3 July 2006
DATE