



HOMS in the twenty-first century

***Hydrological Operational Multipurpose System:
HOMS is the WMO system for technology transfer in
hydrology and water resources***

To obtain more information about HOMS contact:

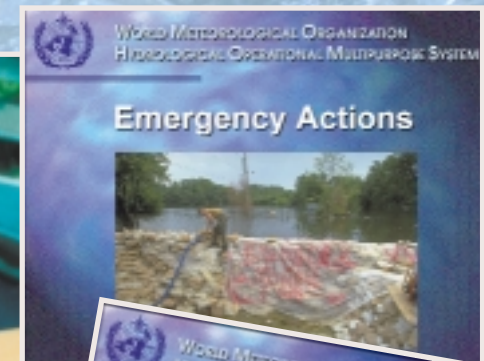
Your HOMS national reference centre:

or:

HOMS Office
World Meteorological Organization
Hydrology and Water Resources Department
P.O. Box 2300
CH-1211 Geneva 2
Switzerland
e-mail: homs@wmo.int

or go to the HOMS Webpage:

<http://www.wmo.int/web/homs/homshome.html>



HOMS objectives:

- To provide an efficient means of technology transfer;
- To aid in the application of, and training in, appropriate technology, especially in developing countries;
- To provide an international framework to integrate the many hydrological techniques and procedures.

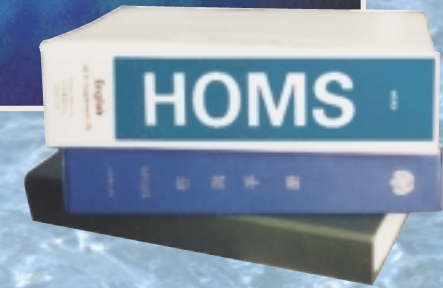
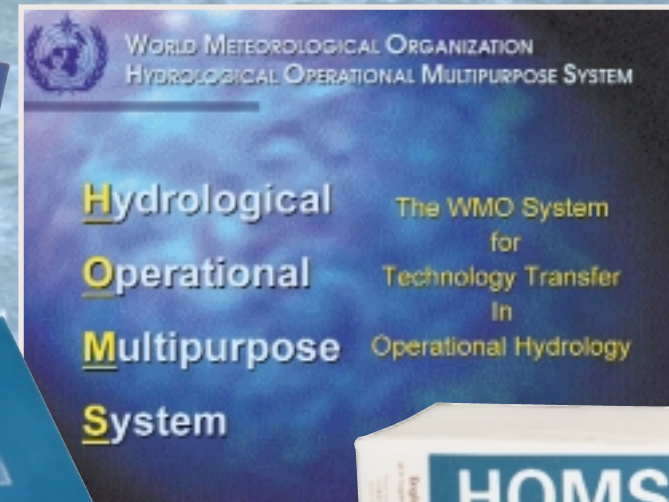
122 HOMS National Reference Centres worldwide.
More than 3 500 component transfers since its inception in 1981.

The hydrological technology available in HOMS is presented and transferred in the form of components. These consist of manuals of procedures and general guidance, descriptions of equipment and computer software, and training aids.

Each component is described in a 1-2 page summary and published in the ***HOMS Reference Manual***, available in hard copy, computer diskettes or through the Internet.

Topics available in the ***HOMS Reference Manual***:

- A. Policy, planning and organization
- B. Network design
- C. Instruments and equipment
- D. Remote sensing
- E. Methods of observation
- F. Data transmission
- G. Data storage, retrieval and dissemination
- H. Primary data processing
- I. Secondary data processing
- J. Hydrological forecasting models
- K. Hydrological analysis for the planning and design of engineering structures and water resources systems
- L. Groundwater
- X. Mathematical and statistical computations
- Y. Training aids in operational hydrology



Water will be a major issue in the twenty-first century. With this in mind, HOMS has been updated. Technological advances have made available new tools for many hydrological and other related services. A challenge facing HOMS is to provide a range of appropriate technology, especially for developing countries.