



US Army Corps  
of Engineers®

Engineer Research and  
Development Center

# ERDC Hydraulic Engineering Information Analysis Center

## Description

The Hydraulic Engineering Information Analysis Center (HEIAC) provides quick referrals to and establishes contact with leading authorities in various areas of technical expertise in hydraulic engineering. The HEIAC is utilized by a diverse clientele including government and private industry researchers, engineers, program managers, students, and others interested in the wide field of hydraulic engineering and science.

## Capabilities

The HEIAC is supported by CHL's multidisciplinary technical staff made up of engineers, scientists, equipment specialists, and other technical personnel who establish and maintain historical, technical, scientific, and other information collected throughout the world which is pertinent to hydraulic engineering. Expertise is offered in areas of estuaries, hydraulic structures, open-channel flow and sedimentation, dredging research, navigation channel design, operations and management techniques, computer-aided engineering and modeling, hydrology research, and hydraulics Geographic Information Systems (GIS) database development. The HEIAC provides bibliographic inquiry services in which authoritative reports are searched; referral services providing consultation or referral to world-recognized technical experts; technical inquiry services in which expert and authoritative advice is given in response to technical questions; and basic services such as providing quick e-mail or telephone responses.

## Supporting Technology

In making referrals and answering requests, the HEIAC has access to the ERDC Research Library <http://itl.erd.c.usace.army.mil/library/> which may refer the inquirer to [CHL - Coastal and Hydraulics Engineering Technical Notes \(CHETN\)](#) containing subject matter within the entire range of coastal engineering and science; the Automated Coastal Engineering System, which is a system of microcomputer programs used in coastal engineering planning and design; and the Coastal Modeling System, which is a system of computer programs for use in coastal engineering planning and design. The HEIAC also makes use of the Information Technology Laboratory's [Major Shared Resource Center](#), which offers its users the latest in high-performance computing (HPC) capabilities, the state-of-the-art in scientific visualization, and training in HPC skills.



MSRC's Scientific Visualization Center

**Benefits**

The HEIAC helps customers in basic research efforts by directing them to necessary data and information. It improves the productivity of researchers, engineers, program managers, and others interested in hydraulic engineering by collecting and disseminating scientific and technical information in specialized fields or subject areas.

**Point of Contact**

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