



**US Army Corps
of Engineers®**

Engineer Research and
Development Center

Soil Mechanics Information Analysis Center (SMIAC)

Description The SMIAC is one of 10 Information Analysis Centers (IACs) chartered by the Department of the Defense as a [Military/Agency-sponsored IAC](#). It is operated by ERDC's Geotechnical and Structures Laboratory (GSL) as a focal point for information related to soil and rock mechanics.

Capabilities Support to the SMIAC is provided by GSL's multidisciplinary technical staff, who offer expertise in the areas of soil mechanics, rock mechanics, engineering geology, seismology, geophysics, hydrogeology, and earthquake engineering.

Supporting Technology In response to information requests, personnel of the SMIAC access the [ERDC Research Library](#), which has an extensive collection of books, journals, conference proceedings, technical reports, dissertations, specifications and standards, microfilm, and video and audio tape. The SMIAC also takes advantage of its total access to ERDC's information technology, communication, and computer resources.

In addition, the SMIAC houses a collection of unique materials, including portions of the collection of Dr. Arthur Casagrande, who initiated and fostered development of the soil mechanics program at Harvard University from 1932 until his death and also served as technical consultant on more than 50 dams in the United States.

Benefits Researchers, engineers, program managers, and others interested in soil and rock mechanics are provided access to affordable analytical tools and services and a comprehensive knowledge base that includes historical information collected throughout the world. Many SMIAC services are available at little or no cost. Some abstracts and indexes, current awareness products, and technical inquiry services are free.

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