

Proposed Model of the HMF

The HMF operates as a set of distributed "nodes," leveraging the expertise and the activities that currently exist at universities, the USGS, and in government labs.

There are two types of nodes.

1) CUAHSI Node: Funding is obtained for an activity with a formal agreement with CUAHSI for acquisition of equipment and operation with the primary goal of supporting members of the hydrologic community. Equipment will belong to CUAHSI. While fully funded for the HMF activities, it is anticipated that many nodes will provide considerable "in kind" support as they will be located so as to take advantage of, and build on, other ongoing related research activity.

2) CUAHSI Affiliated Node: Here a PI has an existing research facility (which could include equipment, technicians, software, or other forms of expertise) and is willing to make time available to the community, with support to be negotiated. An affiliated node typically consists of a PI with interest in using their own equipment, research staff or expertise to assist with the activities of the HMF. The additional financial or logistical support needed from CUAHSI and/or the NSF will be determined on a case-by-case basis. Examples of support might include funds for a technician, a small fee-for-service to develop maintenance/replacement funds. CUAHSI Affiliated Nodes may be located at universities, the USGS, or other government facilities. The number of affiliated nodes is likely to increase by PI's committing, at the time of submitting proposals to NSF, to make their equipment available for use through HMF. Prior notification of this should be sent to the HMF Director of the relevant HMF module (Biogeochemistry, Geophysics, Water Cycle).

Oversight of disciplinarily-related Nodes will be provided by Directors for each HMF Module, currently including HMF-Biogeochemistry, HMF-Geophysics, and HMF-Water Cycle. Directors will most likely be a faculty member at a university leading a CUAHSI Node. This person acts as the "champion," providing a liaison to CUAHSI, NSF, and to the scientific community (academic, government, private sectors), supports the development of new CUAHSI and Affiliated Nodes, and is involved with the governance of the nodes (details in governance documents). In addition, this person is responsible for participating in the operation of the overall HMF effort serving on the HMF PI team, and will be expected to organize town halls at meetings, facilitates educational workshops and short courses spanning the activities of the Module.