

## **User Working Group for the Global Hydrology Resource Center**

The Earth Observing System (EOS) Program through the Earth Science Data Information System (ESDIS) Project and the Global Hydrology Resource Center (GHRC) Distributed Active Archive Center (DAAC), located at NASA Marshall Space Flight Center, Huntsville, AL, charters the GHRC User Working Group (UWG). The principal purposes of the UWG are to firmly establish science user input in the planning, development, and operations of the GHRC, and to represent the science user communities in reviewing and guiding the GHRC activities and development.

### **GHRC Mission and Objectives**

- To serve as NASA's Earth science data stewards for scientific, educational, commercial and governmental communities, with a focus on Severe Weather data including precipitation, lightning, hurricanes and other severe storms, and the global hydrologic cycle.
- To provide knowledge augmentation services encompassing tools, infrastructure, user support, and expertise to our stakeholders.

### **GHRC User Working Group**

#### Objective

The GHRC UWG will provide inputs based on science requirements and capabilities. Their primary objectives include but are not limited to:

1. Assisting GHRC in prioritization and pursuit of new data holdings within the bounds of budget and ESDIS mission constraints;
2. Suggesting improvements to enhance overall user experience including discovery, access, and usability of data;
3. Suggesting new research and development ideas relevant to GHRC to support product/tool prototyping and generation;
4. Facilitating communications with the general user community and interested members of other communities.

#### Responsibilities

It is the responsibility of the UWG to accomplish its overall objectives in the context of the broad range of topics and issues related to the definition, design, development, implementation, and operation of the GHRC. In so doing, the UWG is specifically charged with representing the interests of the research and applied science user community and with facilitating communication between this user community and the GHRC.

Topics and issues the UWG will be responsible for addressing include the following:

1. Progress and performance of the GHRC systems, including recommendations for changes to improve the value of the GHRC to research and applied science users;
2. Establishing priorities, including requirements for existing datasets and identifying new data products and services of significant importance to the user community within the bounds of budget and ESDIS mission constraints;
3. Means to enhance data discovery, access, exploration and use;
4. Providing a broader perspective on system-related topics including data processing system requirements, networking requirements and configuration, data formats and standards, data product organization, long term data preservation, discovery, access and preprocessing requirements;
5. Assessing standard product development and production including porting of investigator team algorithms;
6. Promotion of data publication and citation within the science community;
7. Means to improve dealing with episodic, heterogeneous data sets.

### Membership

Members of the UWG are drawn from the science community appropriate to the GHRC's discipline areas:

- Hydrologic Cycle
- Severe Weather Interactions
- Lightning
- Atmospheric Convection

Membership is nominally for a term of three years. Members are selected to be representative of both the existing user community and the expected EOS community.

The Program Scientist from NASA Headquarters, the GHRC Manager, and an ESDIS Project Representative serve as ex-officio members of the UWG, and ad hoc members may be appointed by the UWG as specific needs warrant. The UWG is co-chaired by a non-GHRC member and a GHRC staff member.

### Meetings and Interface Mechanisms

Meetings of the UWG are scheduled by the co-chairs as required to address GHRC issues in a timely fashion. The GHRC staff member co-chair is responsible for keeping the UWG informed on the full range of GHRC activities and for insuring that appropriate topics and issues are brought to the Group's attention.

The GHRC staff member co-chair provides the mechanism by which UWG recommendations and concerns are communicated to GHRC and other groups as required. The UWG will provide formal activity and status reports to GHRC and ESDIS management as appropriate. UWG members are expected to attend the UWG meetings.

### Funding and Administration

Funds to support activities of the UWG, including travel support for non-Federal government members, will be provided in the GHRC budget, and the GHRC DAAC Manager will control these funds.