

## **IGS Data Center Working Group Charter**

At its 18th meeting held December 09, 2001 in San Francisco, the IGS Governing Board recommended the formation of a working group to focus on data center issues. This working group will tackle many of the problems facing the IGS data centers as well as develop new ideas to aid users both internal and external to the IGS. The direction of the IGS has changed since its start in 1992 and many new working groups, projects, data sets, and products have been created and incorporated into the service since that time. Therefore, this may be an appropriate time to revisit the requirements of data centers within the IGS.

The IGS Data Center Working Group (DCWG) will address issues relevant to effective operation of all IGS data centers, operational, regional, and global. Some of these issues include:

- effective data flow
- backup of the operational data flow
- security issues at data centers
- consistency of data holdings among data centers
- timely archive and dissemination of data as the IGS moves into a real-time mode for selected products

Some straightforward, initial activities, such as a review of data center information at the IGS Central Bureau and the creation of a working group exploder, can be undertaken soon after the working group is officially established. One major, initial task will be to assess the current level of service offered by the IGS regional and global data centers. The best way to ensure the data centers are performing as expected is to ask the user community. A web-based survey will be developed and made available to the user community to encourage feedback on how the data centers are performing and where improvement is required. Another initial activity for the group will be to examine the current structure for data dissemination, identifying data currently archived, the mechanisms for delivering and archiving the data (from operational data center to global/regional data center). This process will identify both strengths and weaknesses in the current data flow. After the present topology has been mapped, the group can then identify where improvements can be made and redundant data flow paths can be recommended. The group will also identify/clarify existing procedures for communications between the various levels of data centers, particularly in the area of replacement data sets.

A list of proposed near-term activities for the working group is as follows:

- ensure data center information at IGS CB is current
- establish DCWG email exploder
- develop a user survey form and compile results
- develop a topology of the current IGS data flow
- develop data flow redundancy procedures at key data centers
- develop procedures for identifying and notification of problem/replacement data sets

Activities that could be addressed over a longer period of time include:

- study of web-based enhancements
- interface with real-time working group and assess requirements
- study seamless archive and how effort can be utilized by the IGS and provide a benefit to the data centers

The confirmed (C) and proposed (P) membership of this working group is as follows:

Carey Noll/ GSFC (C), Chair  
Gordan Adams/NOAA (C)  
Miranda Chin/NOAA (C)  
Ludwig Combrinck/HartRAO (C)  
Loic Daniel/IGN (P)  
Roman Galas/GFZ (C)  
Edouard Gaulue/IGN (P)  
Werner Gurtner/AIUB (C)  
Heinz Habrich/BKG (C)  
Angelyn Moore/JPL (P)  
Nacho Romero/ESA/ESOC (C)  
Michael Scharber/SIO (C)  
Mike Schmidt/NRCan (C)  
Grigory Steblov/RDAAC (P)  
Dave Stowers/JPL (P)  
Bob Twilley/AUSLIG (C)  
Ruth Neilan/JPL, ex-officio  
Robert Weber/TUVienna, ex-officio