

Powell Center Working Group:
Information Technology Quick Reference

Note: Many items on this list need to be requested in advance. Please ensure the Working Group's IT Liaison/Data Manager has completed and submitted the "Information Technology Checklist" requesting IT and informatics and data integration support four weeks prior to your meeting.

IT Support – The FORT Computer Operations Group (COPs) provides core IT support and is available to assist you with the following services:

- **Wireless Internet Connection**—please contact Katie Woodmansee for connection information to access the FORT wireless network. If Katie is unavailable, please contact COPs.
- **Printer/Scanner/Copier**—3-in-1 photocopiers are available throughout the center (copy rooms: 1112, 2107, and 3000) and may be used via USB flash drive.
- **Plotter**—a 40x52 inch capable plotter is available to Working Groups. Access to this plotter must be requested in the IT Checklist prior to your meeting.
- **Loaner Laptops**—available to working group members, please complete the IT Checklist prior to your meeting.
- **WebEx**—WebEx meetings and conference services can be set up by request, please complete the IT Checklist prior to your meeting.

Contact Information for the above items:

- COPs—[FORT Computer Operations Group](#): x411/970-226-9411
- Katie Woodmansee—Meeting Logistics Assistant: x103/970-226-9103 or kwoodmansee@usgs.gov

Informatics and Data Integration Support—The FORT Web Applications Team (WebApps) provides data integration support.

- **Data Storage**—FORT provides 6Tb of data storage for Powell Center Working Groups on a local storage network. Access to this storage network must be requested in the IT Checklist.
- **Database Setup and Administration**—FORT provides enterprise PostgreSQL/PostGIS and SQLServer database instances for Working Groups, to post and work with critical datasets. Setup and access to these instances must be requested in the IT Checklist.
- **Geospatial Support**—FORT provides ArcGIS Server and GeoServer instances, allowing Working Groups to share geospatial information and generate map services. Setup and access to these instances must be requested in the IT Checklist .
- **Application Support**—FORT provides access to and support for the ScienceBase Data Integration and Management Platform (sciencebase.gov), and the myUSGS collaboration suite of tools. These applications allow Working Groups to collect and post metadata about their projects; upload and expose data products used and developed during Powell Center activities; plan, document, archive, and present discussions and meetings, including auxiliary files such as publications, graphics, images; and maintain documentation about Working Group proceedings. Setup and initial access to these applications must be requested in the IT Checklist. However, continued access to these applications is available any time before, during, and after the Powell Center gathering. Short training sessions and explanatory websites about these virtual tools are available.
- **Model Services**—FORT provides dedicated R-based model virtual machines for Working Group statistical modeling efforts. These virtual machines are available during Working Group proceedings. Other modeling software, as well as implementation of a CONDOR high throughput computing cluster, is available on an as-requested basis. Model services must be requested in the IT Checklist.
- **High Performance Computing (HPC) Resources**—USGS Applied Research Computing group provides access to Distributed Memory Cluster (700 cores and 2.5 T of memory) and Shared Memory System (SGI UV2000 256

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cores 4TB shared memory machine). Larger computational allocations may be facilitated on larger supercomputers through agreements with NSF Extreme Science and Engineering Discovery Environment (XSEDE) and DOE's Oak Ridge National Laboratory. HPC Resources must be requested in the IT Checklist.

Contact information about the above items:

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