

GEOGRAPHY LAB TECH ORIENTATION

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COMPUTER LAB USE

- ⦿ Computers are the property of JMU and the state - please respect.
- ⦿ Please do not store personal data on lab computers.
 - Keep personal data on USB storage devices.
- ⦿ Your JMU eID is key to accessing labs, data and technical resources.
 - Log into lab computers and trusted JMU websites with your eID and password.
 - Never share your password.
 - You will never be asked to email or otherwise provide your password to another person. Ever.

JMU FILE SERVICES

- ◉ The University provides centralized file storage for faculty, staff and departments.
 - This is known as the “N” drive on most computers.
- ◉ Students typically have read-only access to the “Lab” folder.
 - Department lab data is under CS, ISAT, or GS.
 - We tried provisioning space for student lab use, but it ultimately proved inadequate - please use your own USB storage device in the labs.
- ◉ Other folders are private to employees or departments and cannot be viewed.

GEOGRAPHY FILE SERVICES

- Geography maintains an independent, central storage server for department data.
 - This is know as “Geo” or the “R” drive in the labs.
- Students typically have read-only access to much of this space.
 - Large datasets are kept within the “EarthInfo”, “Esri”, “GPS”, and “LiDAR” folders.
 - The “Classes” folder contains large class data specific the course being taught or faculty presenting it.
 - The “Projects” folder are for independent faculty projects - students on such projects may have access.
 - “Web” hosts webpages: <http://maps.cise.jmu.edu>.

SOFTWARE IN GEOGRAPHY LABS

- An Extensive and Ever-Changing list...
 - AlleyCode, ANCS+, **ArcGIS Desktop 10**, ArcGIS Viewer for Flex, CATS, CmapTools, ConceptVista, DNRGPS, Flowmap, Fugro, Fusion, Gaia Viewer, GeoDMA, GeoViz, GPS Babel, Grass, Hazus-MH, HTMLGate, ImageJ, LasToos, MapGenerator, MapViewer, **Pathfinder Office**, **PCI Geomatica**, Protégé-OWL, Python, Quantum GIS, Scion Image, SoilData Viewer, SpaceTime, TerraExplorer, TerraGo, VUE, etc.

STUDENT-AVAILABLE SOFTWARE

- ◉ ArcGIS Desktop ([Maps.cise.jmu.edu](https://maps.cise.jmu.edu))
 - Available to all JMU persons for educational, research and internal use. Students may install ArcGIS on personal computers.
- ◉ JMU Software Downloads (jmu.edu/computing/download)
 - Symantec Endpoint Protection - antivirus
- ◉ Other Recommendations
 - WinSCP - ftp client (winscp.net)
 - Malware Bytes Antimalware (malwarebytes.org)
 - Secunia PSI - software updater (secunia.com)

GEOGRAPHY DATA ACCESS

◉ Maps

- Available Off-Campus with JMU eID
- Web (read-only) - <http://maps.cise.jmu.edu>
- FTP (read/upload) - <ftp://maps.cise.jmu.edu>
 - use WinSCP or another ftp client

◉ Geo

- Available On-Campus or using VPN
- File (read/write) - <\\geo.cise.jmu.edu\data>

- ◉ Instructions for Geography's Data services and how to access each is available on Maps - <http://maps.cise.jmu.edu>

TECHNICAL HELP

- ◉ For problems with Geography Labs, ArcGIS
 - Documents posted in the labs
 - Online: Maps.cise.jmu.edu
 - Email: CISELabOpsHelp@jmu.edu
- ◉ JMU eID, wireless, other labs, etc.
 - Online: jmu.edu/computing
 - Email: HelpDesk@jmu.edu
 - Phone: 540.568.3555
- ◉ Anything else
 - Email me at RothgeCW@jmu.edu
- ◉ All technicians will ensure you are helped and your question or problem is routed to the appropriate person.