Faculty Support Edition

The mission of the Geospatial Analysis Center (GAC) is to “promote and facilitate the sustainable integration of geospatial tools and perspectives into UMD teaching, research, service, and operational activities”.

The center’s staff aid in classrooms and research projects across campus, as well as participating in external contract work with state agencies, counties and regional organizations.

Contact us for assistance with:

- Figures or maps for reports, manuscripts & proposals
- Interactive maps for site selection or exploratory analysis
- Getting started with ArcGIS Desktop, ArcGIS Pro, and ArcGIS Online software.
- Finding & formatting spatial data
- Calculating an estimate for a GIS component of research in a proposal

Grant opportunities are available to cover the costs of GAC’s services – no project is too small!

- CLA faculty assistance may be covered by a CLA GIS faculty grant.
- Faculty who are working on MnDRIVE - related research may also have their costs covered by GAC, please inquire for details.
- For more information, please contact Stacey Stark (slstark@d.umn.edu).

GAC in the Classroom:

The GAC works with several departments across campus. Recent classes include: History, Cultural Entrepreneurship, Anthropology, Journalism and Ecology classes.

For example, students in Aparna Katre’s cultural entrepreneurship class collectively developed a story map of creative industries in the Twin Ports region. The project is also in collaboration with the City of Duluth’s Mayor’s Office and Arts Advisory Council. Check out their map at http://arcg.is/2przKDi.

Natalie Belsky’s history students developed geospatial technology skills and created their final presentations using web-based story maps, on topics ranging from Sputnik to Bauhaus architecture.
Services:
Services through the GAC may include: project design, identification of system and data needs, data acquisition, budget estimates, analysis or oversight of varying projects. Faculty and students may use the center’s facilities free of charge for their personal work, with minimal software assistance. The GAC staff are also available for classroom sessions, seminars and demonstrations.

Listed below is a few of the many services that the GAC has to offer:

Printing Services & Pricing:
Poster printing for internal clients is $48 and includes a maximum page size of 36” x 48”. There is an $11 price increase per additional linear foot. To submit a poster or piece of work for printing, please go to our website and fill out a print request form, found under the ‘services’ tab.

Cartography Services:
Are you submitting an article for publication? Consider including a map to illustrate a spatial component of your research! Whether you are submitting a paper to a journal, or a full-length book to a publisher, let us help you illustrate the spatial nature of your work.

Rental Services:
We now have a Trimble R1 available for checkout. The Trimble® R1 is a rugged, compact, lightweight GNSS receiver that provides professional-grade positioning information to any connected mobile device using Bluetooth® connectivity. For more information, please contact Steve Graham at steveg@d.umn.edu.

To inquire about a service or to learn more about what the GAC has to offer. Please send us an email at umdgis@d.umn.edu or stop by our office in Kirby Plaza 389.

Data Resources:
GAC hosts many data resources on a local server for convenience and ease of access. Partnerships with the City of Duluth, County of St Louis and MN DNR allow access to their data servers directly.

We also provide assistance with the many free data depositories UMN has access to including MN Geospatial Commons, Big Ten Geospatial Data Portal, Esri Business Analyst and Community Analyst data as well as others.

U-Spatial:
U-Spatial is a nationally recognized model that serves and drives a fast-growing need for expertise in Geographic Information Systems (GIS), remote sensing, and spatial computing across University of Minnesota campuses.

Training Services: U-Spatial offers a variety of instructor-led workshops focusing on different geospatial tools and technologies. Many workshops are offered at no cost to UMN students, faculty, and staff. Visit the U-Spatial website and go to ‘Training’ to view a full list of current workshops offered.

U-Spatial Support for Spatial Research