

Sustainable Development Goals

The University's Role in
Mobilizing Action and Impact

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UNIVERSITY OF MINNESOTA

Driven to Discover[®]

Crookston Duluth Morris Rochester **Twin Cities**

University of Minnesota System



Crookston

Ag Innovation campus; NXT GEN AG;
NW Rsrch & Outreach Ctr.



Duluth

Natural resource and water research;
Outdoor recreation hub



Morris

Top public liberal arts campus;
Innovative wind energy research;
NASNTI



Twin Cities

Largest campus; AAU, APLU, R1, AANAPISI
18 Fortune 500 Companies



Rochester

Innovative health-focused undergrad program, NXT GEN MED
Partnership with Mayo Clinic

42,212

undergraduate students

16,780

graduate & professional
students

26,000

employees

University of Minnesota Research and Innovation



UN-GGIM
ACADEMIC NETWORK

UN-GGIM Academic Network

Support global geospatial management with science and research



12th

among US public
research institutions



\$1.227B

in systemwide research
expenditures (FY 2022)



240+

startup companies since
2006

SUSTAINABLE DEVELOPMENT GOALS

Set by the **United Nations** in 2015, the **Sustainable Development Goals** provide a shared blueprint for peace and prosperity for people and the planet, now and into the future. The SDGs are an urgent call for action by all countries - developed and developing - in a global partnership.



TARGETS AND INDICATORS



Target

10.1

By 2030, progressively achieve and sustain income growth of the bottom 40 per cent of the population at a rate higher than the national average

Indicators ▾



Target

10.2

By 2030, empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status

Indicators ▲

10.2.1

Proportion of people living below 50 per cent of median income, by sex, age and persons with disabilities



Target

10.3

Ensure equal opportunity and reduce inequalities of outcome, including by eliminating discriminatory laws, policies and practices and promoting appropriate legislation, policies and action in this regard

“ Unless we act now, the 2030 Agenda will become an epitaph for a world that might have been. ”

António Guterres
Secretary-General, United Nations

Higher Education's Role to mobilize action & impact

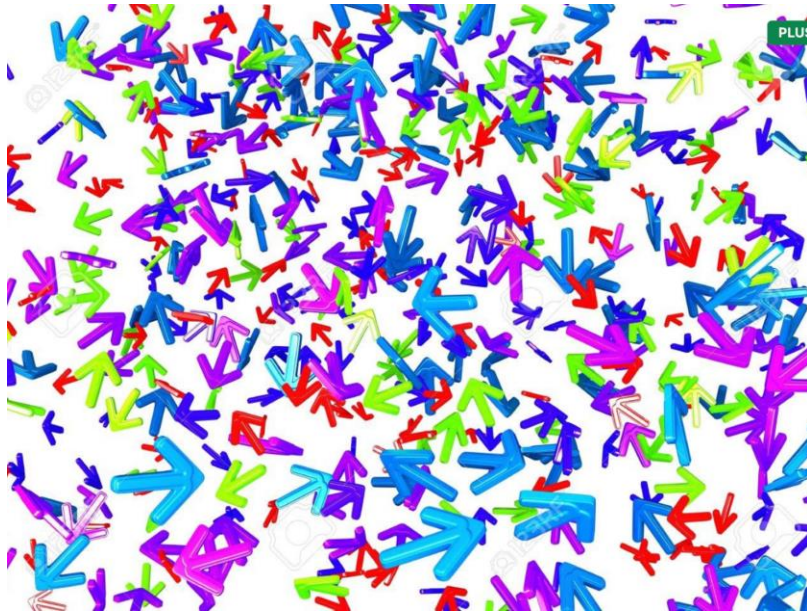
Universities do not create policy, but they can (should) **provide expertise, data & resources to make good policy**

- Stable institution
- Broad expertise
- Trusted, neutral convenor
- Provide accountability
- Partnerships transcend boundaries



This is great

Today, 4k+ faculty with research and partnerships related to SDGs. May not be aware of related work going on at the University nor have access to the resources and tools they need



This is amazing!

Future, 4k+ faculty continuing research and partnerships related to SDGs. Empowered with deeper awareness and connections to related work of colleagues, access to geodesign services and tools, and consortium to test and scale successful models



SDG Data Hub



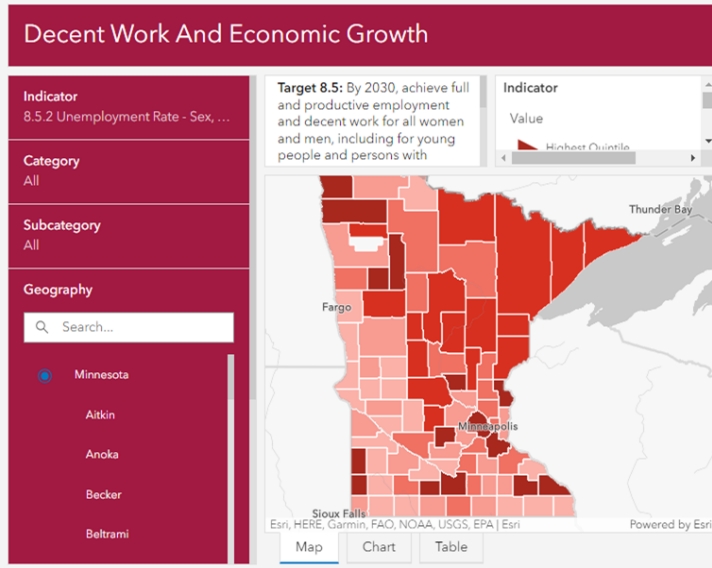
Navigation bar with search icon, 'New' dropdown, '9+' notification, and user profile 'Len'. Below the navigation is a dark blue bar with the 'MN SDGs' logo and a Twitter icon. A red banner below contains the text: '***Please note that this site is a work in progress. Links may not be fully functional, and the dashboards presenting SDG data are not yet complete and should not be used for decision-making at this time. Comment or Questions? Email uspatial@umn.edu***'

SDGs in Minnesota

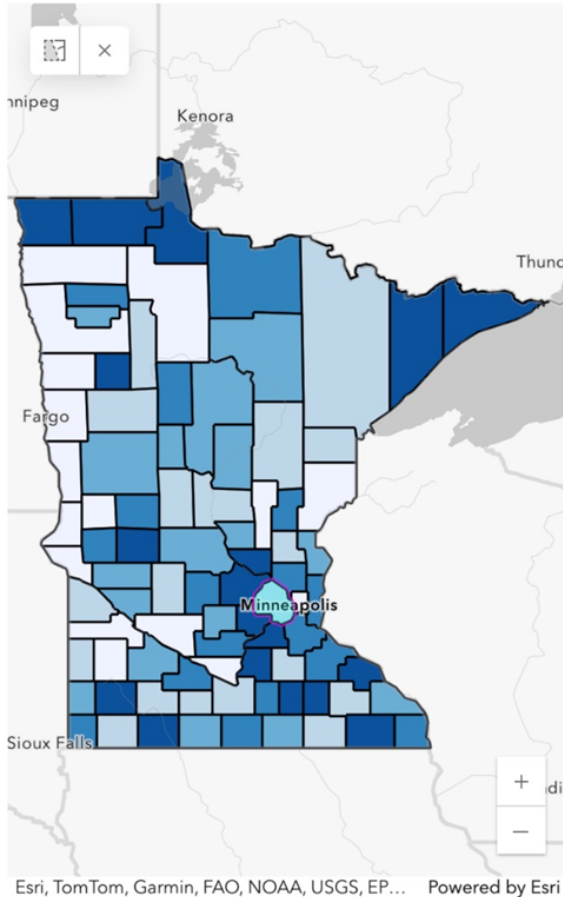
17 goals to transform our state



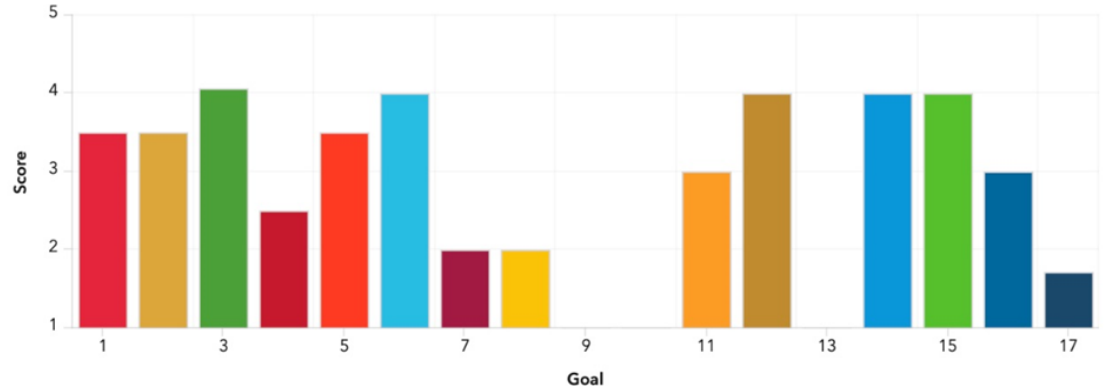
Open and transparent progress towards the United Nations Sustainable Development Goals.



SDG Score by County



Hennepin



SDG Score

Average Quintile

- > 3.31 - 3.78
- > 3.11 - 3.31
- > 2.96 - 3.11
- > 2.81 - 2.96
- 2.34 - 2.81

In Hennepin County, the SDG score, among all Goals, is 2.81.

Source: [Average SDG Score](#)

Sustainable Development Goals Dashboard

Sustainable Development Goals for

All West Central Minnesota Counties

About

Dashboard

Goals

[Goals](#) > **Goal 1**

Goal 1: No poverty



Eradicating poverty is not only a task to end suffering, it's an act of justice and the key to unlocking human potential within the region.

Community Funds



Historical Programs



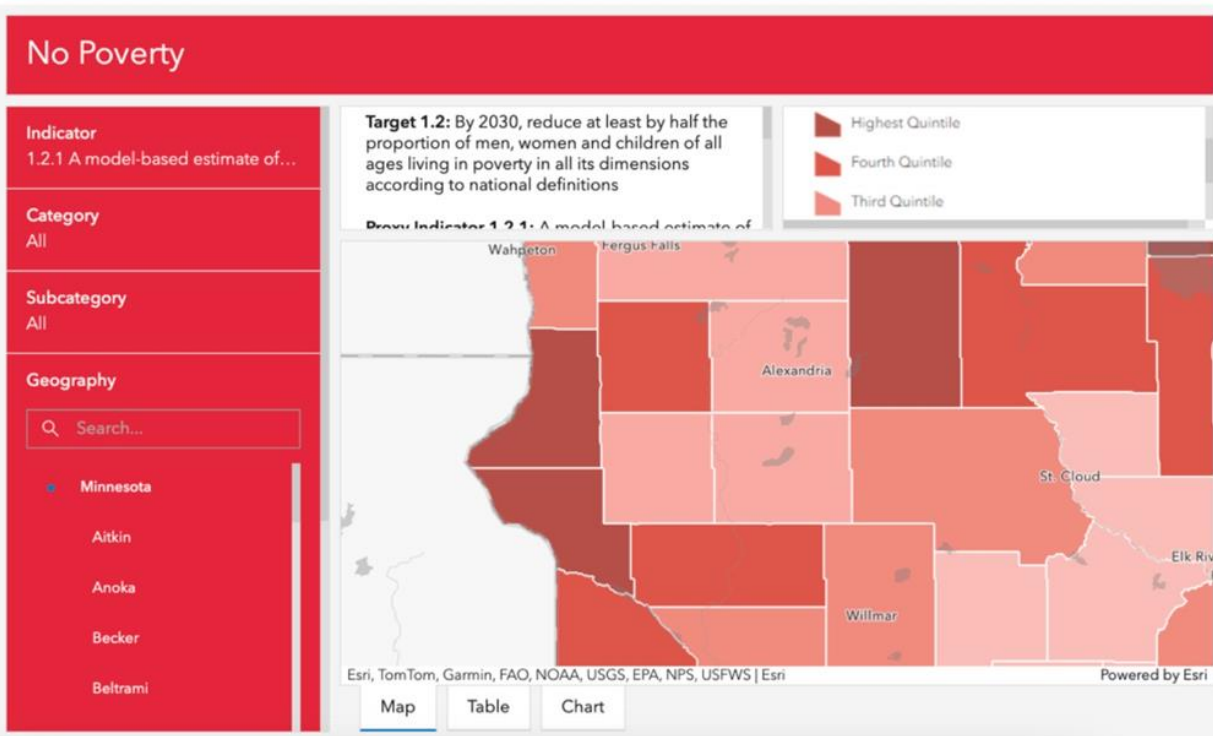
Take Action



Explore the map below. More indicators are available to view by expanding that menu at the left. Click on each county to see the data for each indicator.

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This information was made available through a partnership with U-Spatial, a department of the University of Minnesota.





GeoForce 5

Empowering Geospatial Technology Adoption in Academia

March 26, 2024

[Our Vision](#)

[5 Pillars](#)

[The Approach](#)

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[How to Engage](#)

[Meet the GeoForce 5 Team](#)

[Join GeoForce 5](#)

[Resour](#)



Our Vision

*Geospatial support services offer **foundational support** and a new form of capacity building - for the workforce of tomorrow*

GeoForce 5 collaborates with higher education institutions to promote geo-literacy, and empower students, faculty and staff to think spatially throughout their learning, research and service.

We have developed a jumpstart approach that can be used to organize faculty and students to build a case to university administration to invest in geospatial infrastructure.

We dream of the day when everyone is thinking spatially.



5 Pillars

i

Built on principles of collaboration and support, our group's foundation rests on five pillars:

1. **Expert Guidance**
2. **GeoInnovation**
3. **Outreach Programs**
4. **Grant Cooperation**
5. **GeoNetworking**



Our Workshops

GeoForce5 offers workshops to promote the establishment of geospatial support services, fostering collaboration, knowledge exchange, and networking in higher education to drive research, innovation, and student success.

Participants gain skills and knowledge in developing a **business model** and budget to propose a geospatial support service for their institution, drawing from best practices shared by our team. This enhances their ability to engage stakeholders and potentially leverage relevant networks for support.

Our first workshop, "*Building Bridges for Geospatial Technology Adoption: Promoting GIS Support Services in Higher Education Across LATAM and Beyond*" was offered at GIS LATAM in October 2023, hosted by Instituto Politécnico Nacional - UPIITA in Mexico City. Participants from across Latin America convened to discuss how they could build geospatial capacity within their institutions.

This session sparked the creation of one GIS student club and the establishment of a GIS lab by Dr. Miguel Félix Mata Rivera at Instituto Politécnico Nacional - UPIITA.



Takeaways

1. Education is only part of capacity building or increasing the talent pool or thinking spatially
2. Partner with education
3. Challenge academics
4. What skills to graduates need?
5. _____
6. _____

