MN Solar Suitability Analysis

Better user experience...

So, what's new?
- Improved tool flow
- Intuitive user experience
- Expanded functionality
- "Get started tutorial" and catalog methods
- Explore new methods and data types

MN Solar Suitability Analysis

Team Members: Jason Buhl, Abe Tcherniaeff, Dylan Sherman, Christopher McFadyen, Andrew Waid, Christopher Gries, and Elaine Murphy
solar.maps.umn.edu

More info/Data Requests:
solarp@umn.edu
MN Solar Suitability Analysis

Better user experience...

So, what's new?
- Reprocess bad data
- Improve user experience
- Expand functionality
- "Ground-truth data" and calibrating methods
- Explore new methods and site types

MN Solar Suitability Analysis

More info/Data Requests:
solarep@umn.edu
MN Solar Suitability Analysis

Team Members: Yiqun (Ian) Xie, Yuanyuan Luo, Devon Pierot, Christopher Martin, Andrew Walz, Christopher Brink, and Andrew Munsch

solar.maps.umn.edu
Goals:
- Create a statewide map to allow users to view their solar potential
- Develop a open data product that would benefit the GIS community and the planet
- Improve the function and usability of the data and tools
How?

1. Begin with lidar.

2. Create a surface model

3. Calculate solar potential

Viewshed (sky obstruction) + Sunmap (direct) + Skymap (diffuse) = Solar insolation value
Scale it!
So, what's new?

- Reprocess bad data
- Improve user experience
- Expand functionality
- "Groundtruth data" and catalog methods
- Explore new methods and data types
Better user experience...
MN Solar Suitability Analysis

Better user experience...

solar.maps.umn.edu

So, what's new?
- Improved tool data
- Improved user experience
- Expanded functionality
- "SolarPVsuit" and catalog methods
- Updated new methods and data types

MN Solar Suitability Analysis

Team Members: [List of names]
solar.maps.umn.edu

More info/Data Requests:
solarp@umn.edu