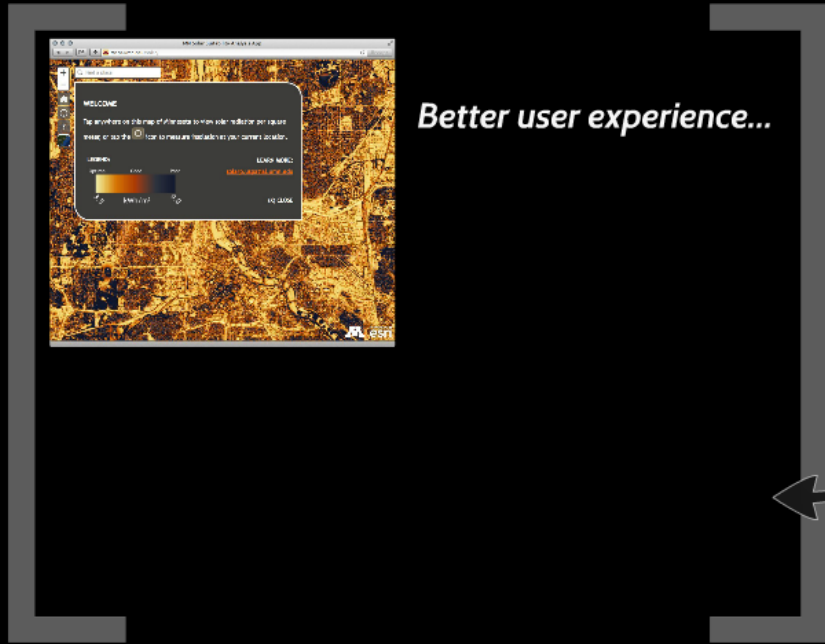


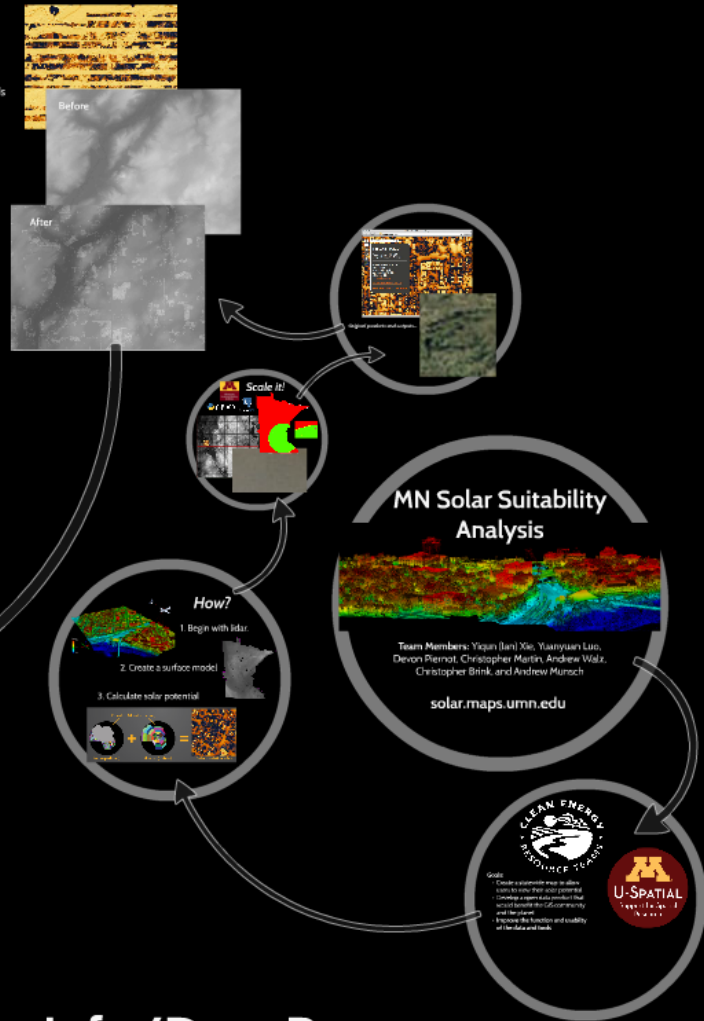
# MN Solar Suitability Analysis



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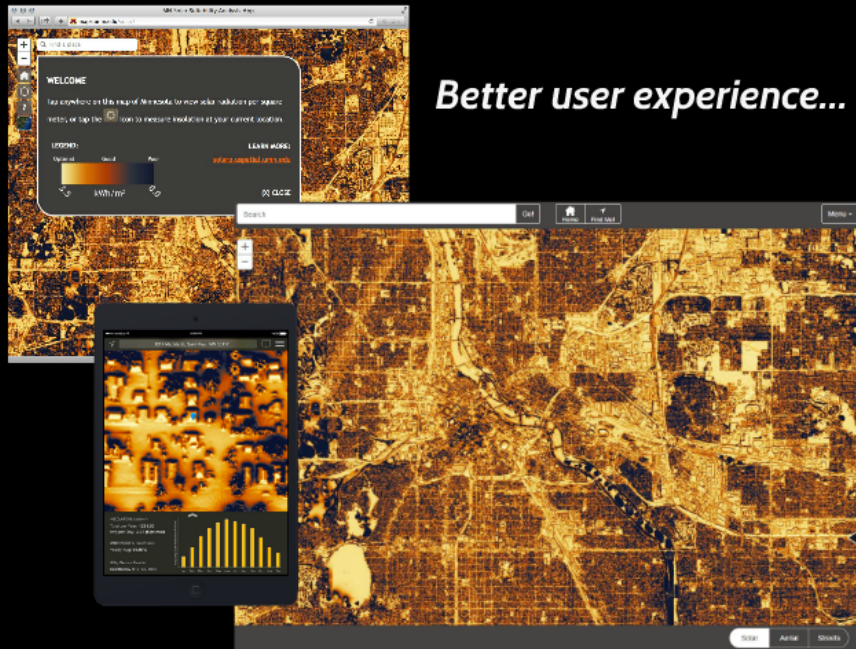
- So, what's new?
- Reprocess bad data
  - Improve user experience
  - Expand functionality
  - "Groundtruth data" and catalog methods
  - Explore new methods and data types



More info/Data Requests:  
[solarp@umn.edu](mailto:solarp@umn.edu)

# MN Solar Suitability Analysis

Better user experience...

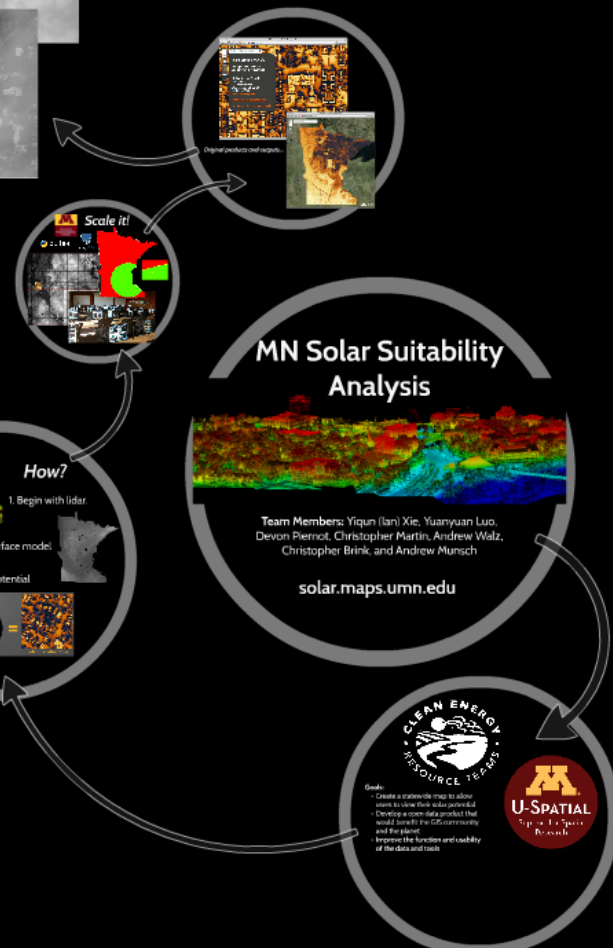
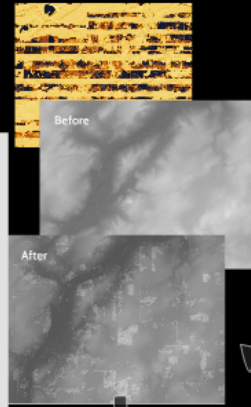


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## So, what's new?

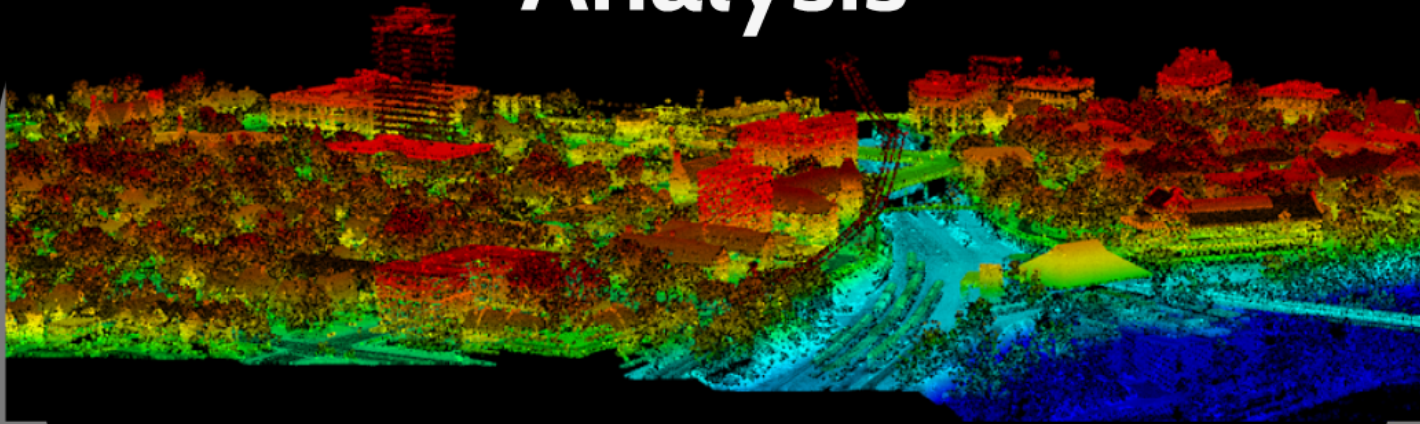
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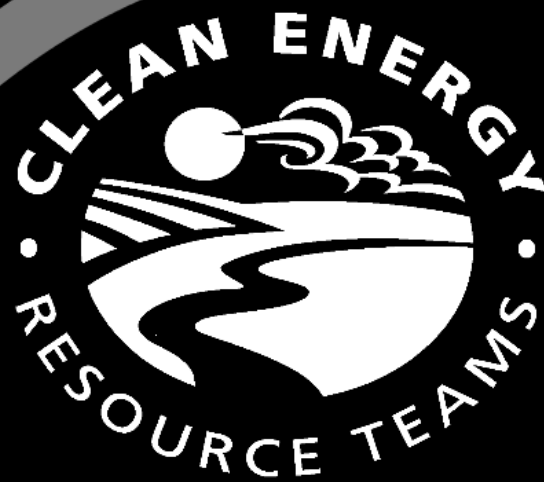


# MN Solar Suitability Analysis



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

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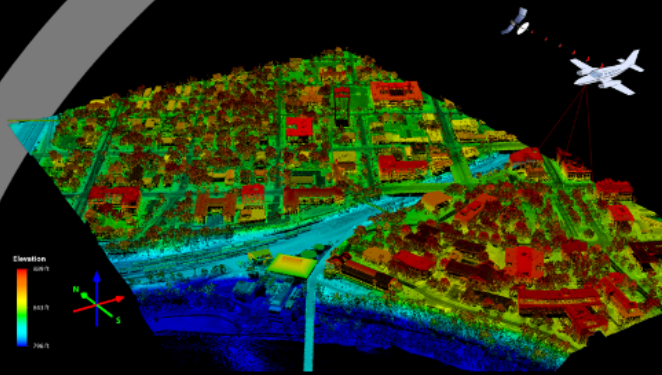
**Goals:**

- 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**

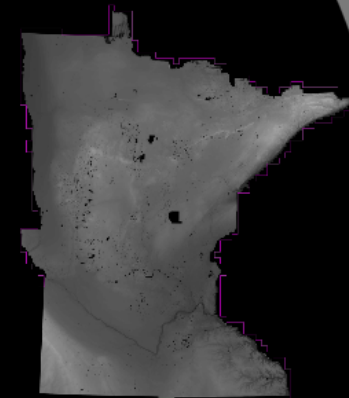


# How?

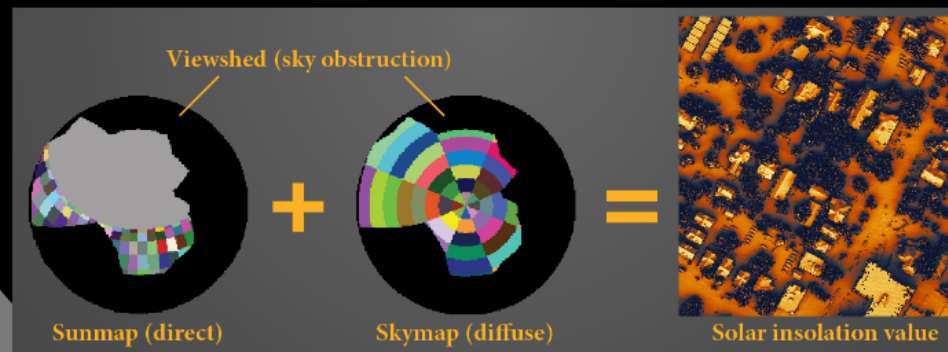
1. Begin with lidar.



2. Create a surface model

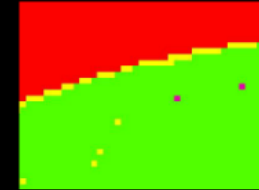
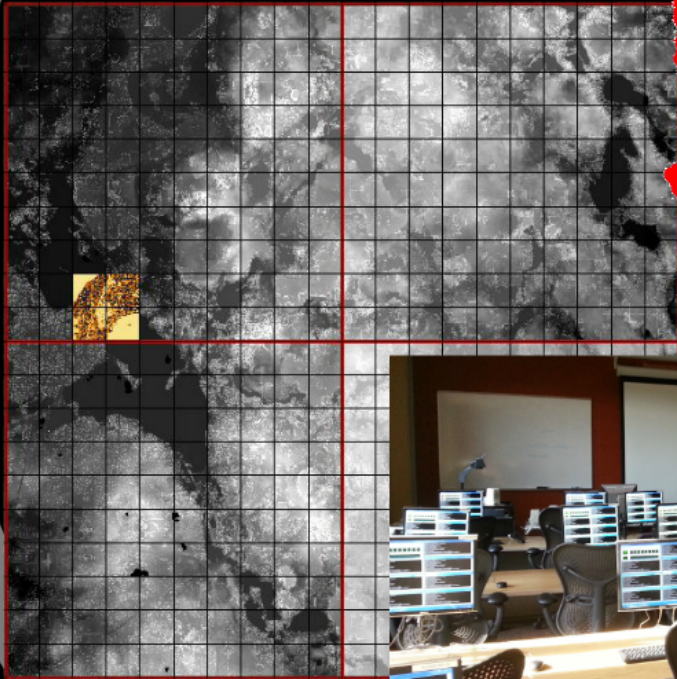


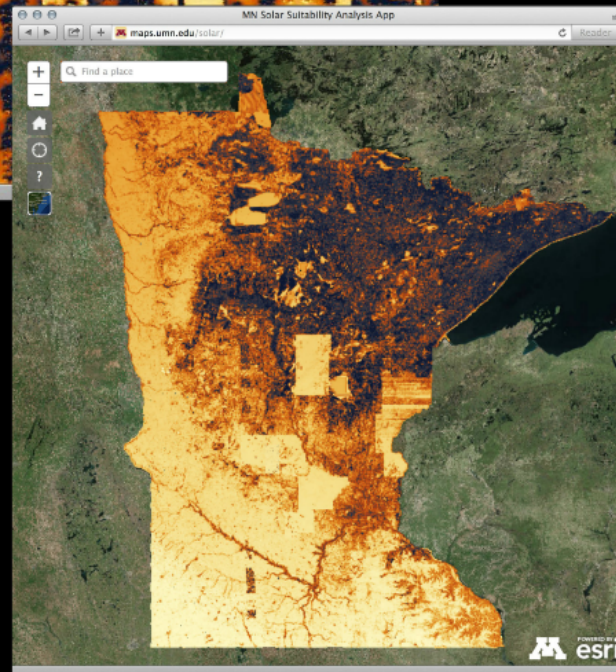
3. Calculate solar potential





# Scale it!





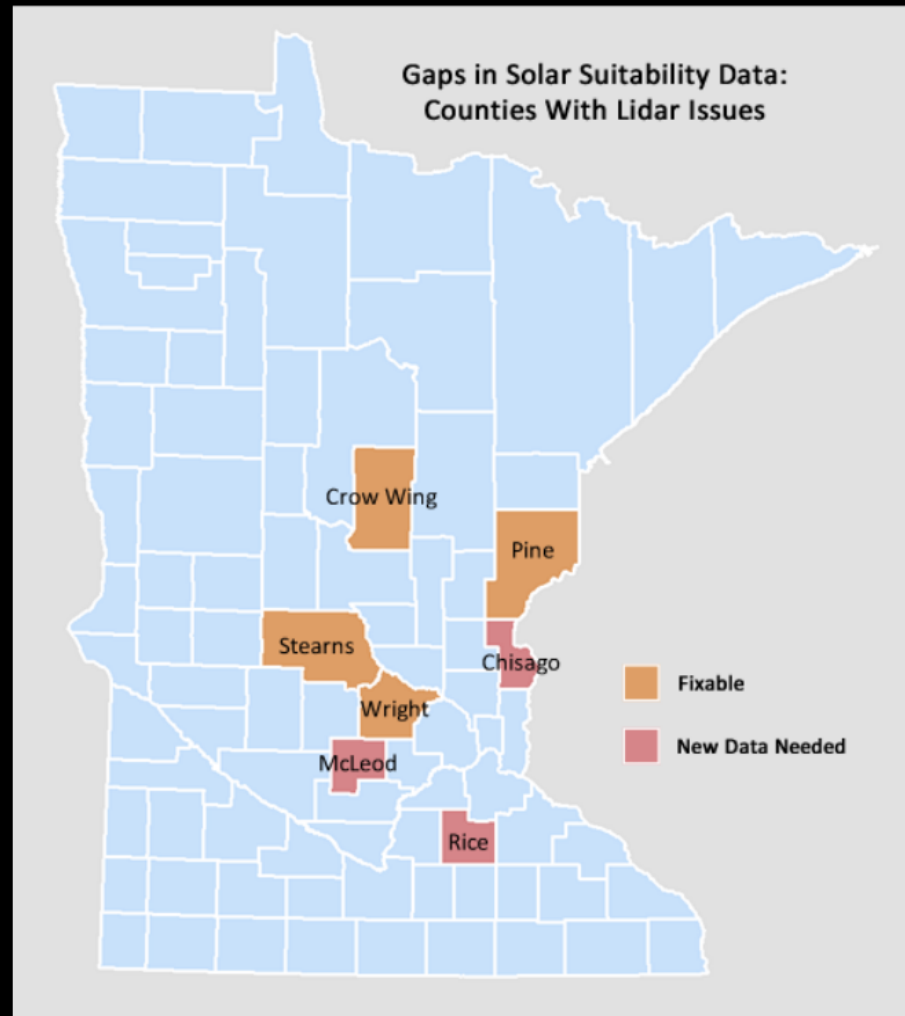
*Original products and outputs...*

# So, what's new?

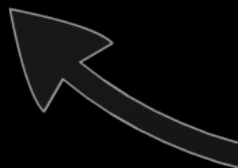
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Before

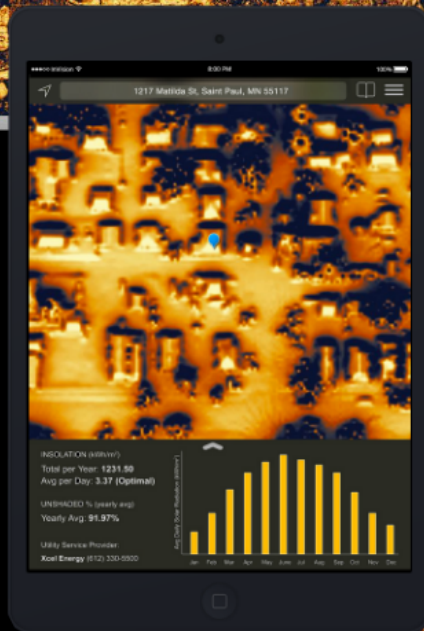
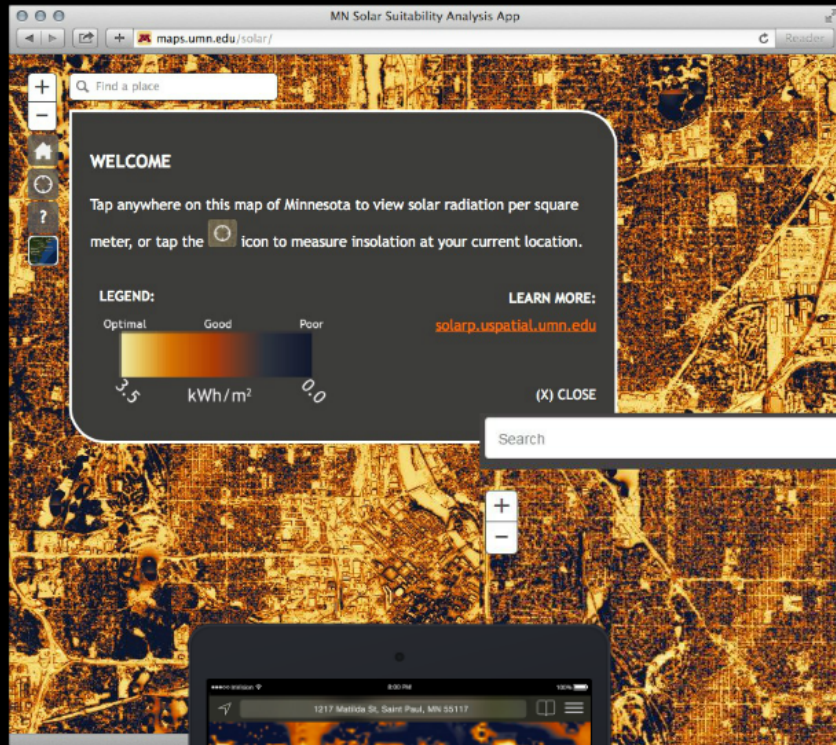


After



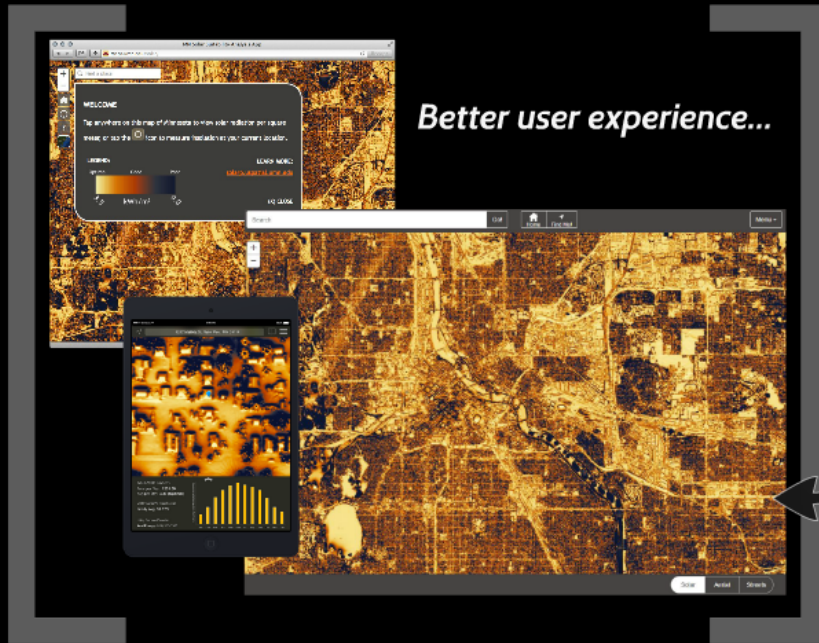


# Better user experience...

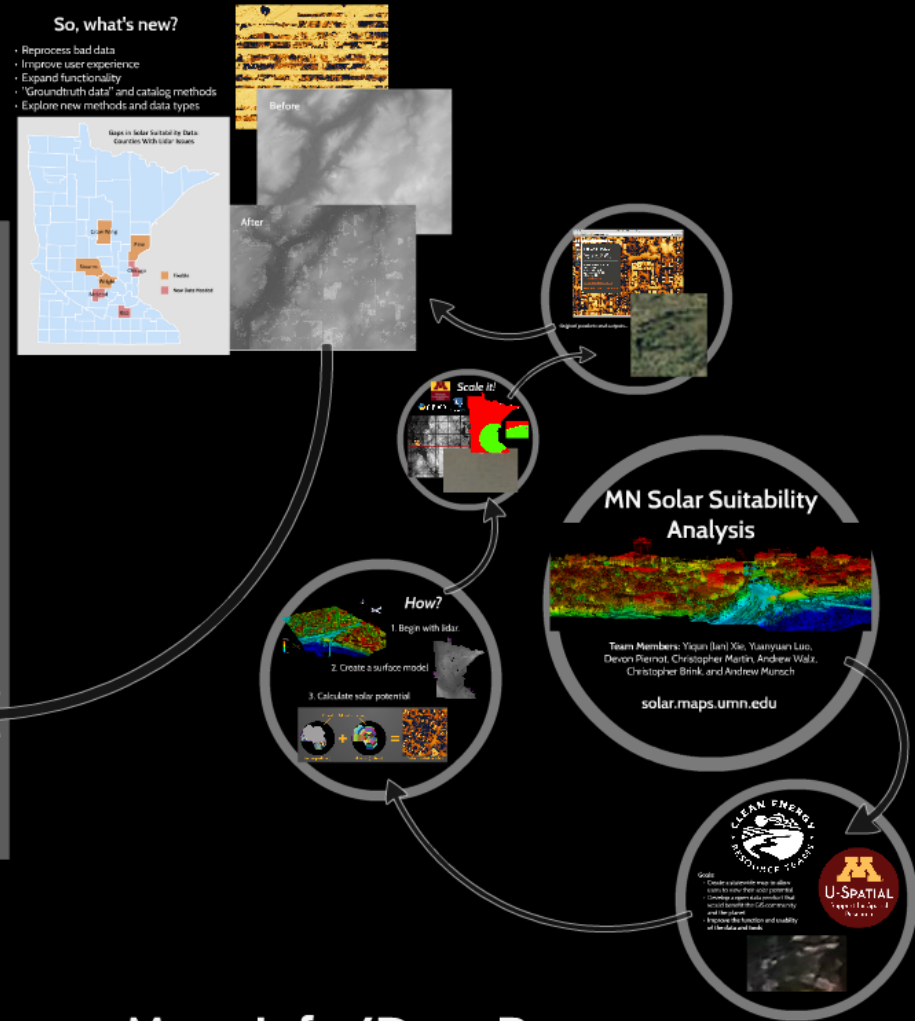


Solar Aerial Streets

# MN Solar Suitability Analysis



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