

Project Title: Local and Regional Climate Summaries for Community Action in Detroit

Description:

Working together with Climate Center staff and the Detroit Climate Action Collaborative team members, students will develop climate impact summaries to distribute at local meetings across the City. The impact summaries will provide:

- 1 - A list of severe weather events over the past 5 - 10 years which neighborhoods could reflect on
- 2 - Regional (Southeast Michigan and Great Lakes) changes in seasonal precipitation and temperature
- 3 - A brief description of how changes in precipitation impacts neighborhoods and infrastructure
- 4 - An explanation of why we discuss climate in terms of regional trends and the utility of understanding regional changes
- 5 - One or two graphs showing potential precipitation changes 50 years out.

Intended Outcome: The impact summaries/syntheses will be part of community outreach tools employed by members of the Detroit Climate Action Collaborative.

Project Advisor: Beth Gibbons and Dan Brown

Grading Criteria:

Process Documentation: 60%

Each student will provide a summary of their work process at the **mid-term** and **end-term** for review by the advisors and course instructors. These work process summaries will be made publicly available via GLISAClimate at the conclusion of the semester and will serve as a guidance documents for students or members of the public who want to apply, replicate, or build of the existing work.

Presentation of Work: 15%

Each student will present to the Climate Center staff at the mid-term and end-term of the semester. The presentations should summarize work done to date, key accomplishments, challenges, and expected or suggested next steps.

Quality of Work: 25%

At the end of the semester the final work that each student accomplishes will be appropriately evaluated based on usability, clarity, credibility, and timeliness.

- Usability – Is the final product useful and applicable to the work of the project client?
- Clarity – Is the final product easily understood?
- Credibility – Are proper citations included where appropriate and academic standards of integrity being met?
- Timeliness – Are project outputs (including mid-term and end-term process documents and presentations) delivered on-time.