Progress Towards Goals

The Problem

-grass dies in the winter and must be replanted each spring
-sidewalks flood and kill the grass
-salting in winter causes damage to the landscape
-many high activity areas become damaged from usage
-annual ornamental plants and shrubbery must be removed and replanted
-lack of biodiversity across much of the campus

Semester Goals

Current System & How It Needs To Be Improved

Impact On Campus & Students

Problems Subgroup

Goal:

-To gather information about perceived problems on campus.

Achievements

-Interaction with students online.

Creation of facebook group to promote discussion with student body.
Led to students creating own groups.

-Development of a survey to be handed out to students. Currently in final review process. Will be distributed 2/27.

- **Gathering of information overlaid onto campus maps.**

Problems Sub Team

Task	Member Responsible
Maps	
• Uses	Kyle, Naguib, Mitch
• Foot Paths	Naguib
• Flooding	Kyle, Mitch
• Sprinkler Plan	Trevor
• Muddy Areas	Kyle
• Salt Damaged Grass	Mitch
Surveys	Kyle, Naguib, Mitch, Trevor
Analysis of Brickman Contract	Kyle, Naguib, Mitch, Trevor
Sustainable Campus Facebook Page	Mitch

Submittal to TECHNEWS

IPRO 326 STRIVES FOR A GREENER IIT

IIT's effort toward implementing the sustainable campus landscape once envisioned by Alfred Caldwell started in the late 1990s, to face the decline in enrollment and the deteriorated state of the campus since its completion in 1971. However, a series of unavoidable problems persist to interrupt the daily activities of students and faculty, in addition to wasteful handling of resources.

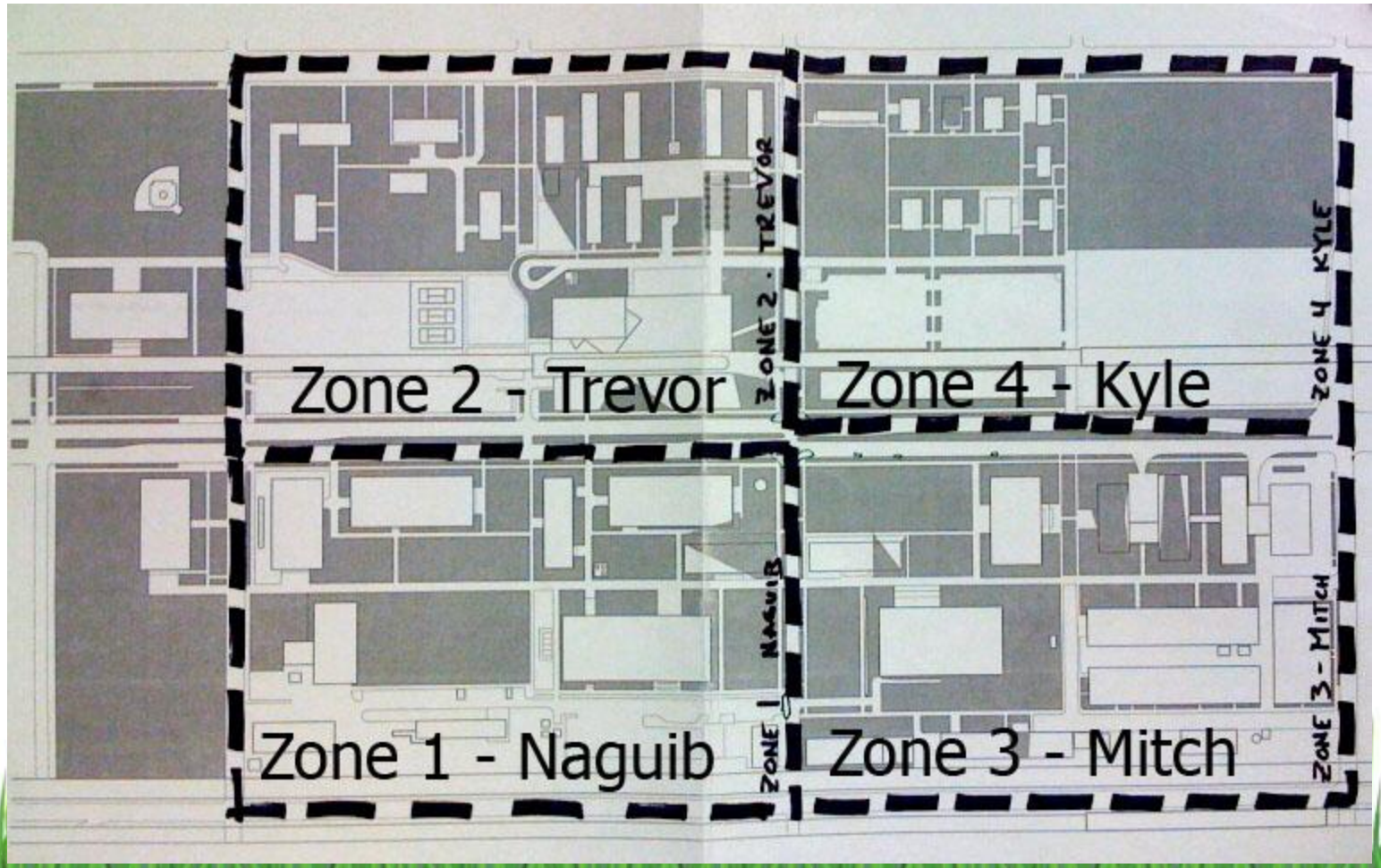
IPRO 326 seeks to identify possible changes to the IIT landscape that can ultimately make it a self-sustainable urban ecosystem by determining the current landscape's level of self-sustainability, and exploring ways to improve.

IPRO 326 is sponsored by the IIT Office of Campus Energy and Sustainability (OCES). The office was established to act as the facilitator of sustainable policies, projects and initiatives across IIT's academic, administrative, and operational departments, and to oversee the implementation of these strategies in the short- and long-term as part of the University's Strategic Plan. So far, OCES has managed the implementation of a recycling program at IIT and has established monthly Sustainability Forums for the university community at which members of the community can receive information and give feedback about sustainability programs and progress on campus. The ultimate goal is contained in the office's motto, "IIT will become the most sustainable, urban university campus in the United States."

OCES will define the responsibilities for sustainability of each component of the University in the IIT Campus Sustainability Plan, to be released on April 11, 2010. This plan is being compiled by the efforts of the Campus Sustainability Action Plan groups, which are broken down according to the specific issues being addressed. In particular, IPRO 326 will function as a subset of the Storm Water/Landscape Action Plan group, which seeks to create a plan for a sustainable campus landscape and eventual storm water management to restore IIT's main campus to a level of vitality ascertained by its social, economic, and ecological impacts and benchmarked by clearly defined standards of optimal performance in these areas.

Student and faculty input are extremely important to the progress of this project. IPRO 326 welcomes any feedback on campus problems and/or suggestions for solutions through a blog: ipro326.blogspot.com, facebook page: sustainable campus, and E-mail: ipro326@gmail.com.

Zoning Map


Zone 2 - Trevor
Zone 4 - Kyle
Zone 1 - Naguib
Zone 3 - Mitch
ZONE 2 - TREVOR
ZONE 4 - KYLE
ZONE 1 - NAGUIB
ZONE 3 - MITCH

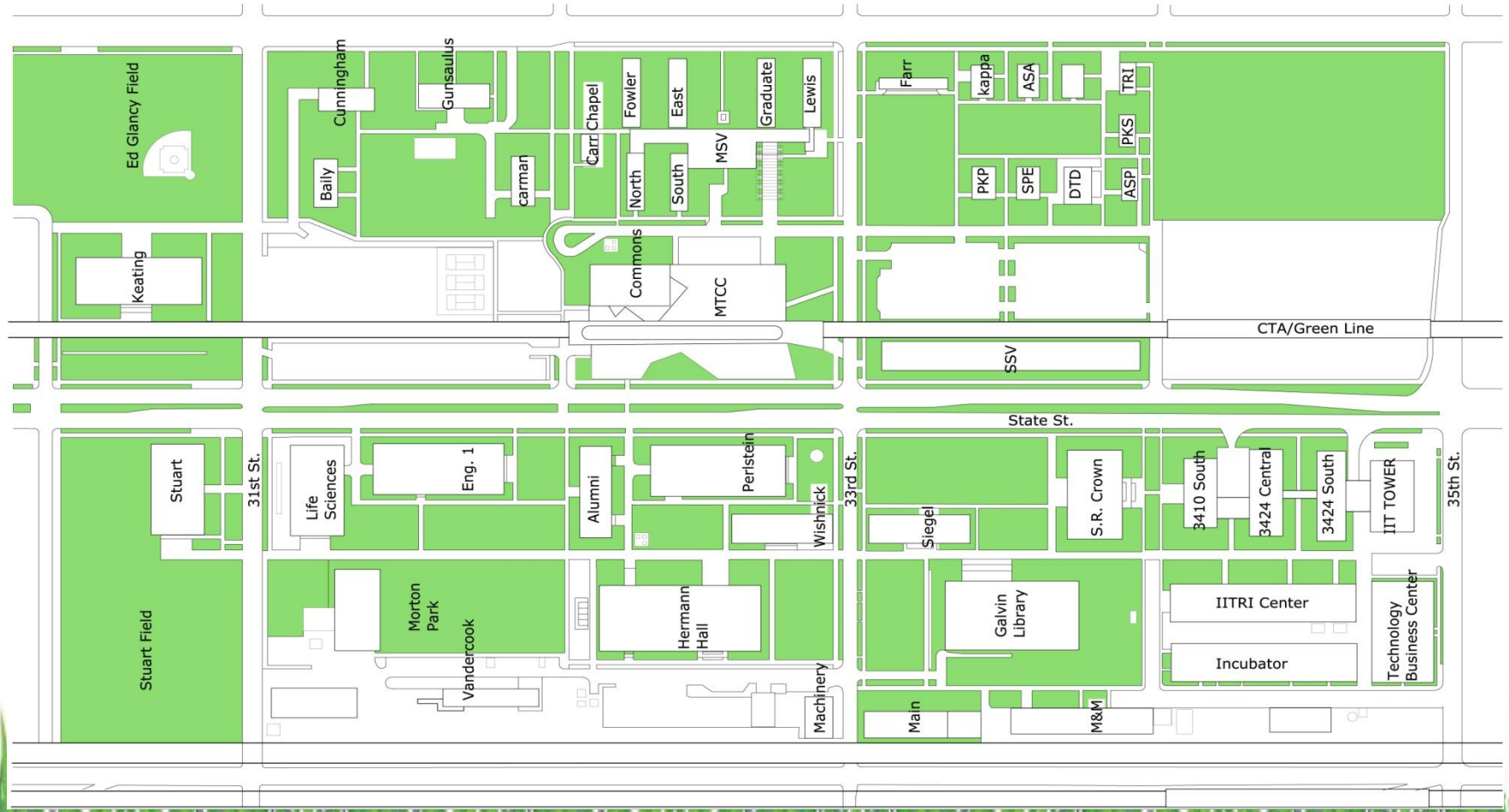
Campus Activity Map

This is a map of the way spaces are used on campus.

A GREENER IIT

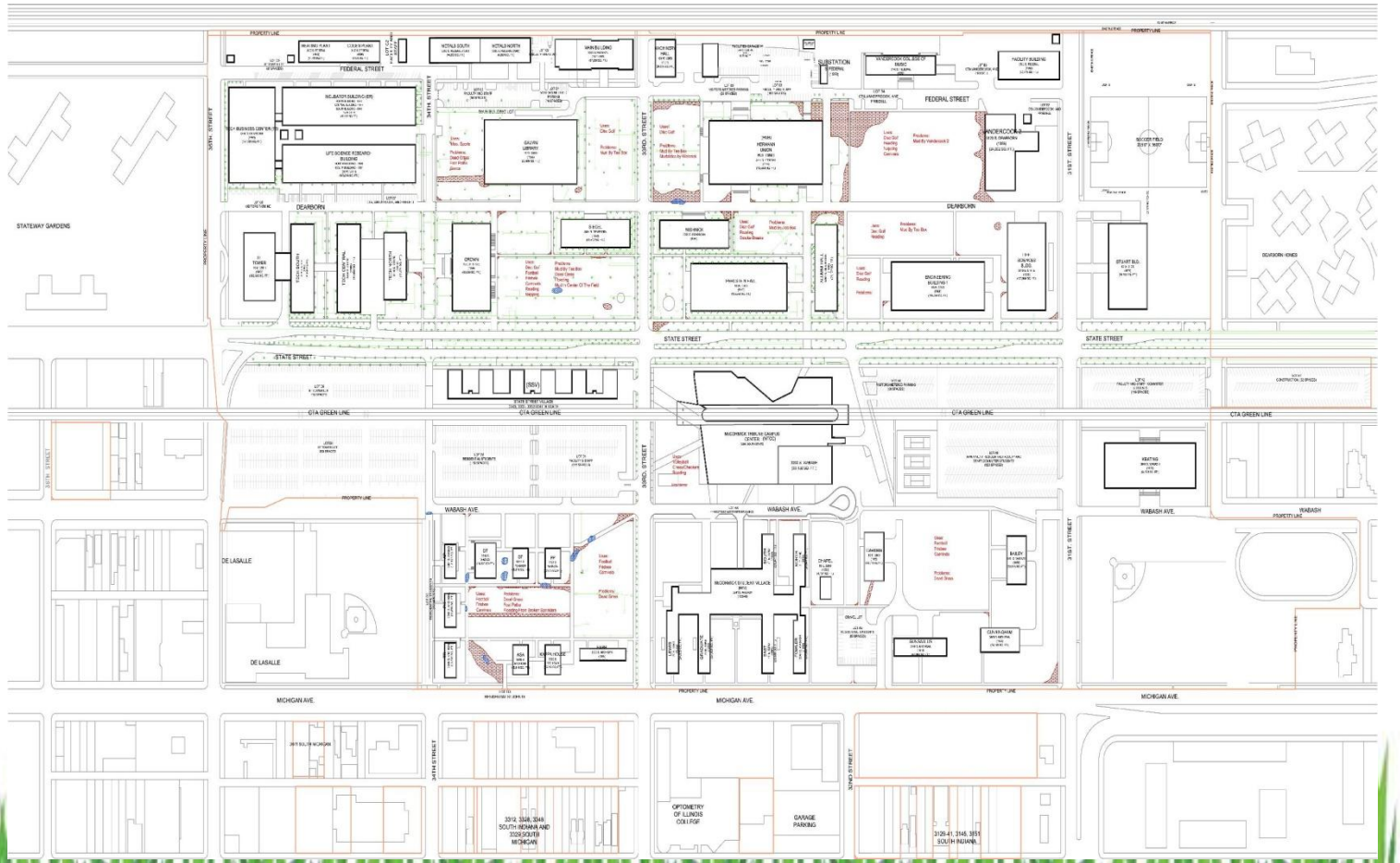
Campus Green Space Map

This is a map of fields, lawns, and green spaces on campus.



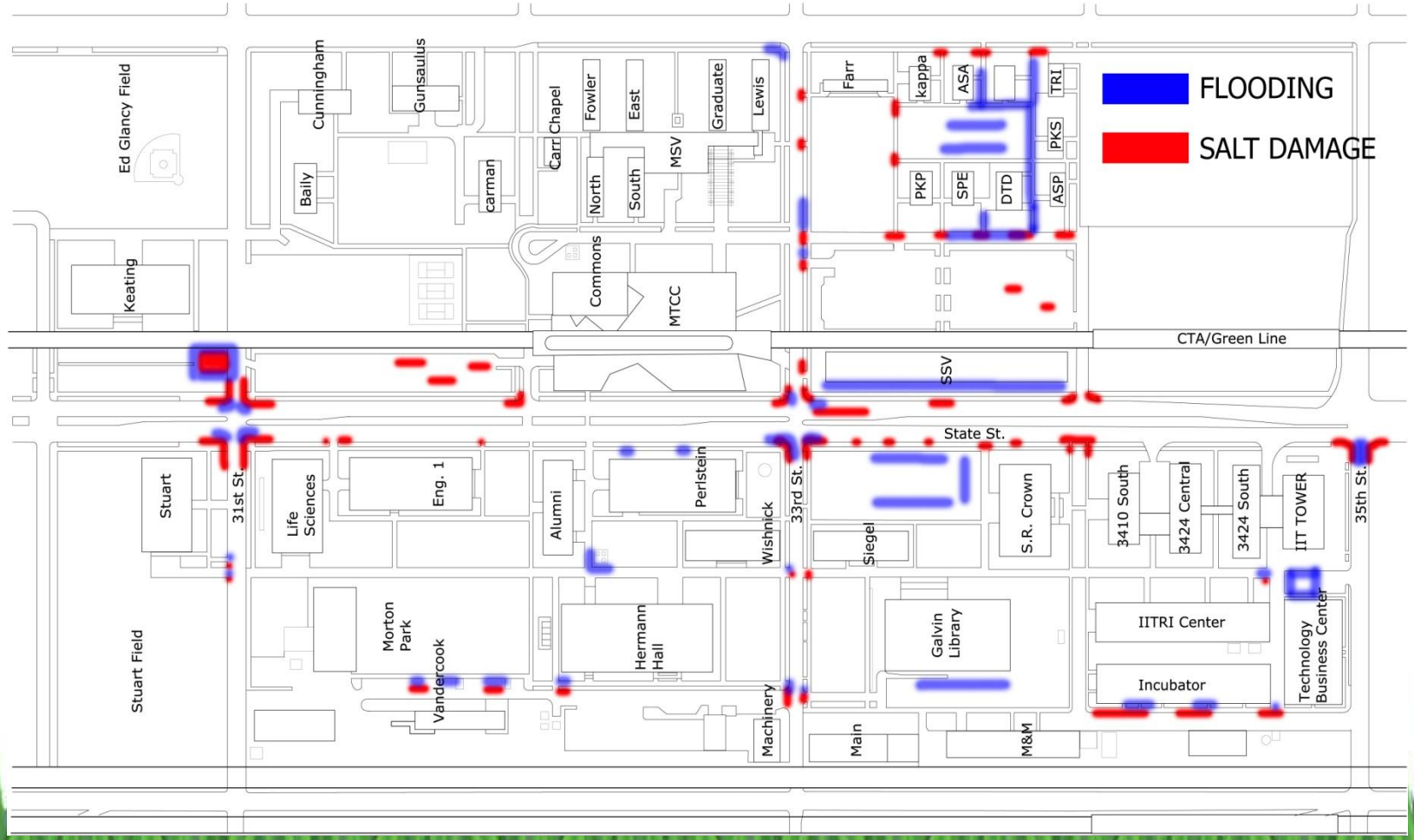
Campus Sprinkler Map

This is a map of water usage areas on campus.



Campus Problem Map

This is a map of salt damage and flooding areas on campus.



Facebook Screen Shots

19 Interactions This Week [?] **0** Likes **18** Comments **3** Wall Posts

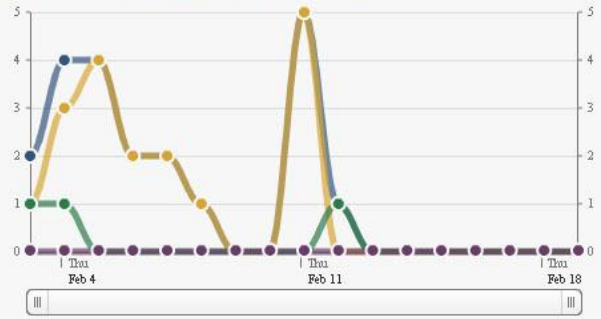
0 Post Quality [?]

Fans Who Interact With Sustainable Campus

Interactions Over Time Learn more

Choose a graph: Interactions

Total Interactions · Comments · Wall Posts · Likes



1 Active Fans This Week [?] **-2** Since Feb 17

	Male	Female	Male	Female
			0%	100%
13-17	0%	0%	0%	
18-24	0%	0%	0%	
25-34	0%	0%	0%	
35-44	0%	0%	0%	
45-54	0%	100%	100%	
55+	0%	0%	0%	

Top Countries		Top Languages	
United States	1	English (US)	1

All Fans of Sustainable Campus

All Fans Over Time Learn more

Choose a graph: Total Fans / Unsubscribed Fans

Total Fans · Unsubscribed Fans

120 Total Fans on Feb 21 **2** Since Feb 20

	Male	Female	Male	Female
			57%	39%
13-17	1%	0%	1%	
18-24	45%	32%	77%	
25-34	6%	4%	10%	
35-44	4%	1%	5%	
45-54	1%	3%	4%	
55+	0%	0%	0%	

Top Countries		Top Cities		Top Languages	
United States	118	Chicago	94	English (US)	111

▼ View All

Please allow 48 hours for data to be available for a daily report.

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Ecology Subteam

Purpose:

Gathering information about the local ecosystem and what plants grow best in the environment.

Achievements

-Research on landscaping

Study the master plan of campus, collect info on current plants

-Research local climate.

Snowfall, precipitation, temperature, etc

- **Study high traffic paths around campus.**

Plants Sub Team

Task	Member Responsible
• Research trees on campus	Ying
• Local climate data	Ying
• Ground cover research	John
• Shrubs & perennials research	Julie
• Document high-traffic areas	Tryphaena
• Forbs research	Tryphaena, Julie
• Grasses research	Irina
• Salt-tolerant trees/plants	Everyone
• permaculture practices	John
• Attend landscape/stormwater management action plan group meetings	John

Solutions Subgroup

Goals

To identify sustainable solutions to the campus landscaping.

Achievements

-Anticipate what the problems will be
-Identifying & consulting with experts: In progress
-Solutions Matrix
- Identifies landscape problems
- Matches problems to local conditions on campus
- Will provide solutions for the various combinations of problems & local conditions

-Mapping specific recommendations to a solutions map
-Defining a stepped plan for the implementation of recommendations

Solutions Sub Team

Task	Member Responsible
• Solutions Map	Jon
• Solutions Matrix	Edgar
• Flooding Solutions	Edgar
• Salt Solutions	Ryan
• Contacting experts	Ryan, Edgar
• Ground Cover Solutions	Ryan
• Pavement solutions	Jon
• Analysis of surveys	Ryan, Edgar, Jon
• Landscaping Benchmarks	Ryan, Edgar, Jon

Anticipated Challenges

-broadness of scope
-april 14th deadline
-processing data
-actual integration for IIT

Collaborations/Requested Information

- Possibly, could share information with Prof. Calcaterra's component of IPRO 331 (Global Warming Outreach)