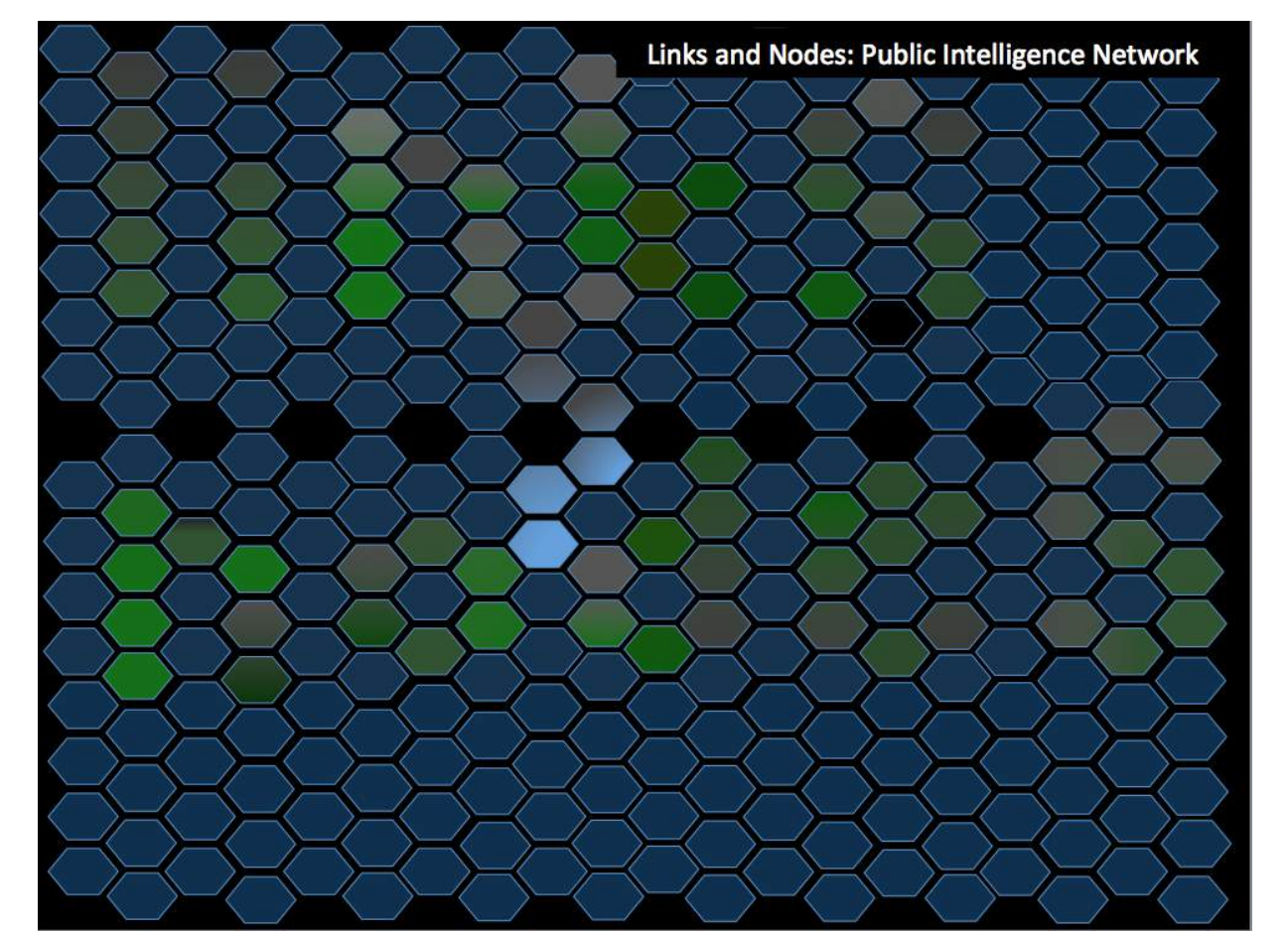


# Links and Nodes: Public Intelligence Environment Creating a Geo-Nodal Social Network

**Brandon D. Wallace**  
Original Research, The University of Texas at Austin



## What is a Geo-Nodal Social Network?

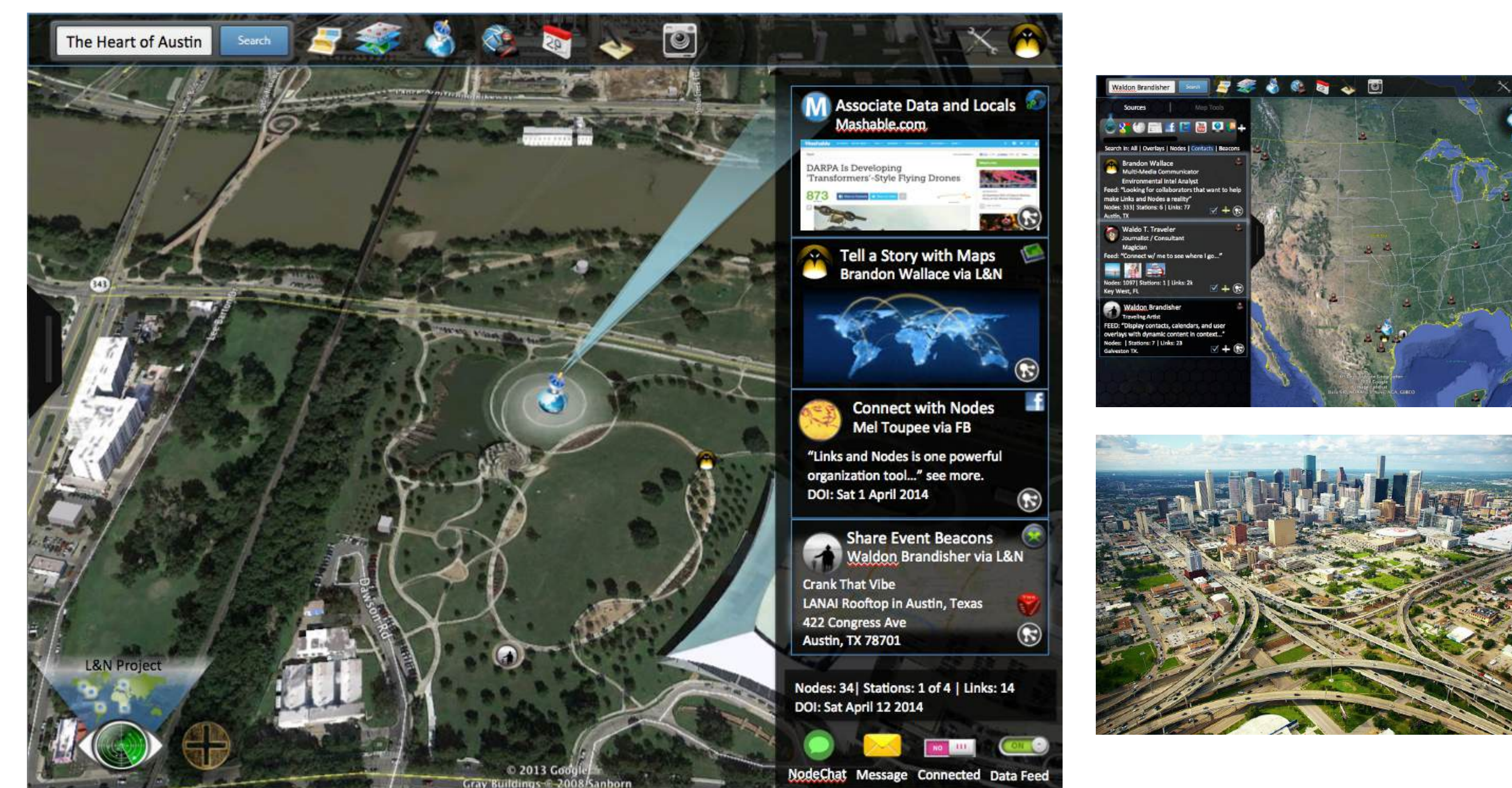
Participatory GIS: "A field of research that focuses on the use of GIS by the general public and aims at involving citizens in a decision-making processes."

Imagine Combining the Following Applications:

1. Google Earth for its ability to plot points, create overlays, and display multi-collaborative data feeds
2. Facebook for its events, social chat, and networking capability
3. Craigslist for its community of information seekers and deliverers
4. Storify for its ability quickly build a story and share that story
5. The Waze traffic app for its interactive intelligence reporting methods

## Background

This original research project was initiated with the mentorship of Dr. Paul Adams, Graduate Adviser and Director of Urban Studies for the Geography & the Environment program at UT. After nearly a decade in the Intelligence Community and a soon to be graduate from UT, I want to bring a vision I have for a public intelligence network to life. I am currently in the mockup stage of development and seeking developer consultation and collaborators.



## Discussion

With new tools and methods of enabling interactive social and environmental communication, how can the collective action problem identified by scholars such as Elinor Ostrom be addressed with Web 2.0 and other internet technologies?

Directly highlight campus Green Fee sustainability initiatives

- e.g. motivating social participation and environmental awareness to foster long term sustainability of local communities) Share UT's culture of sustainability with the community
- Inform the next generation of environmentalists, scientists and communicators
- A Model for Participatory Geo-Spatial Information Services

## Visualization Mock-ups: Is Web 2.0 Ready?



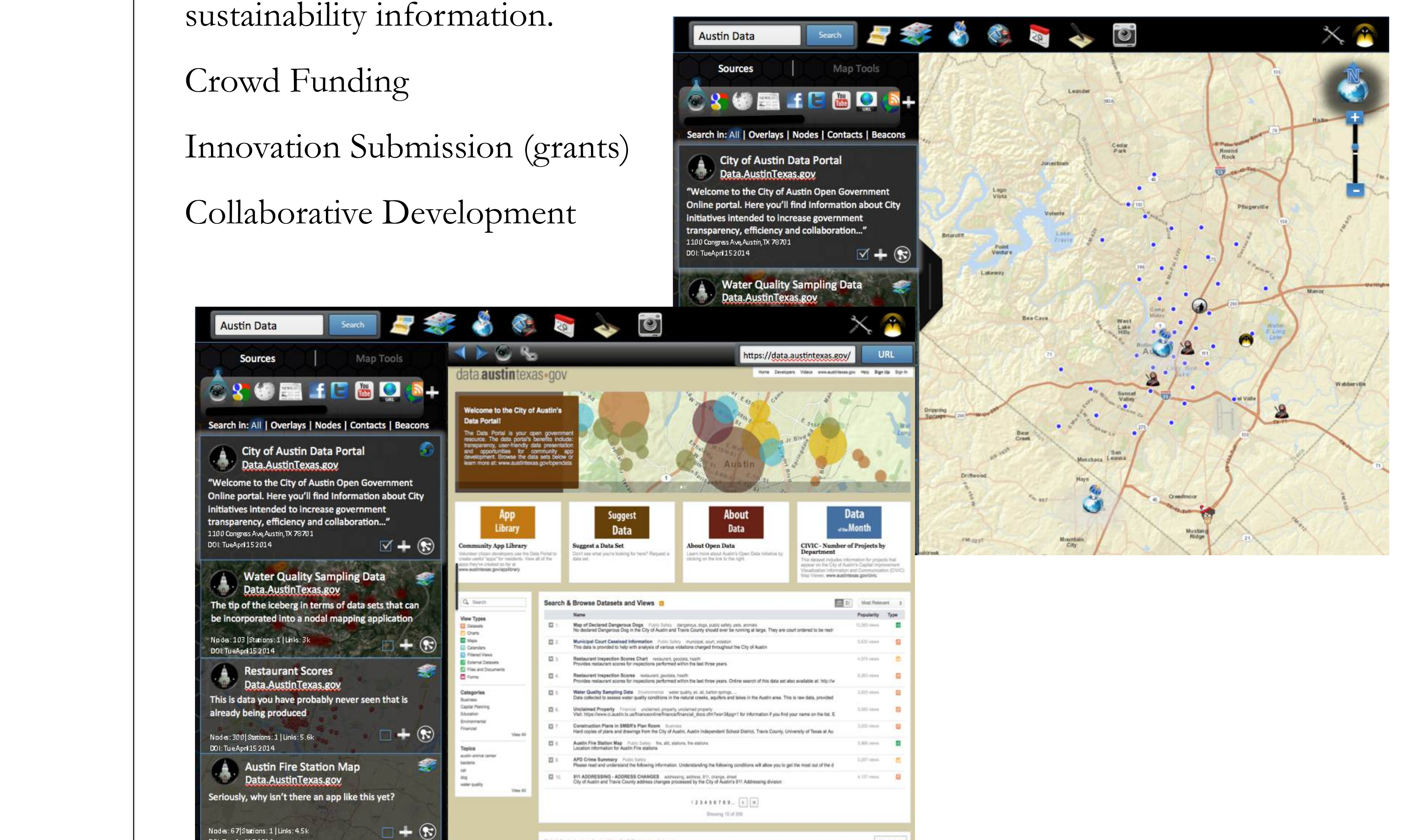
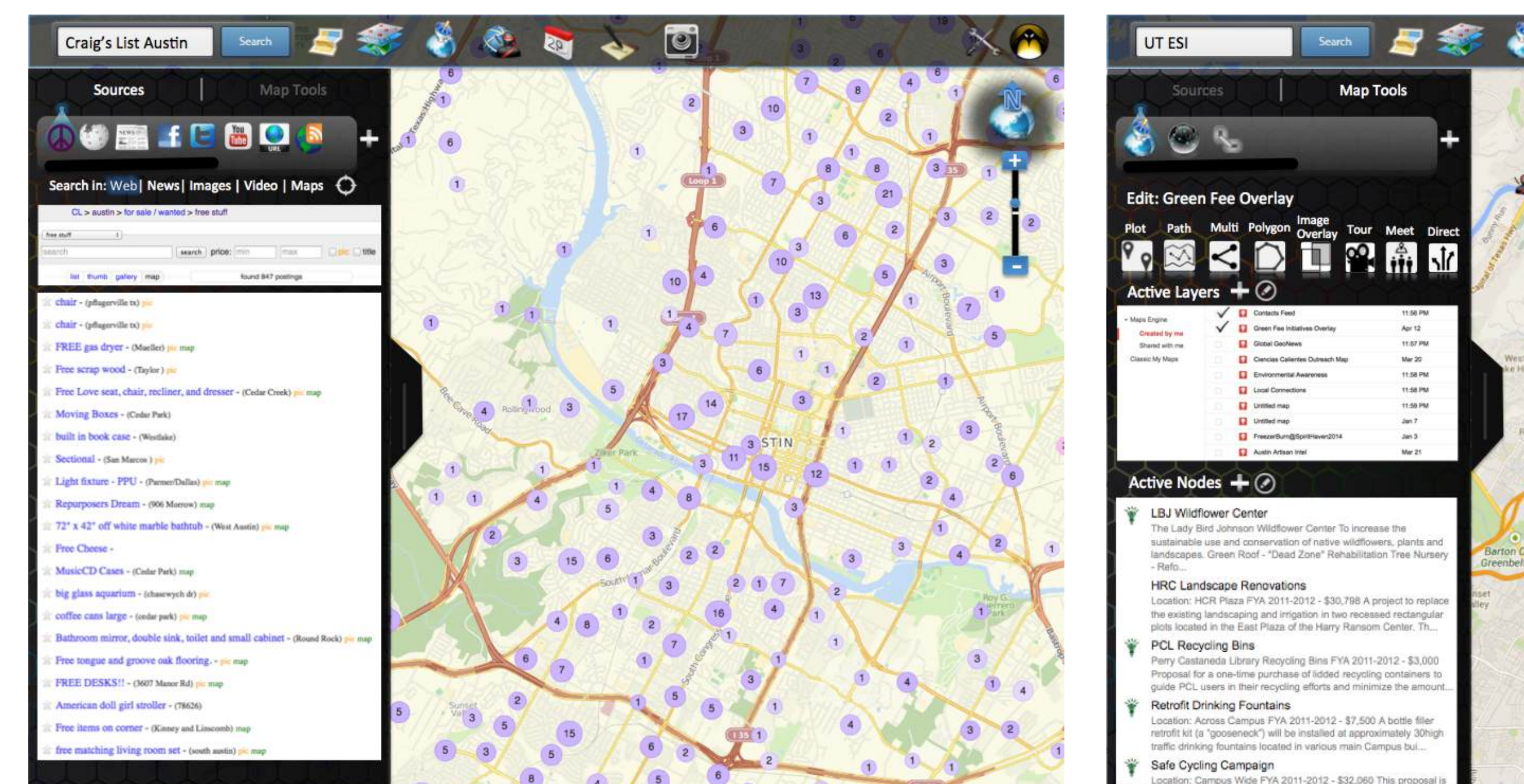
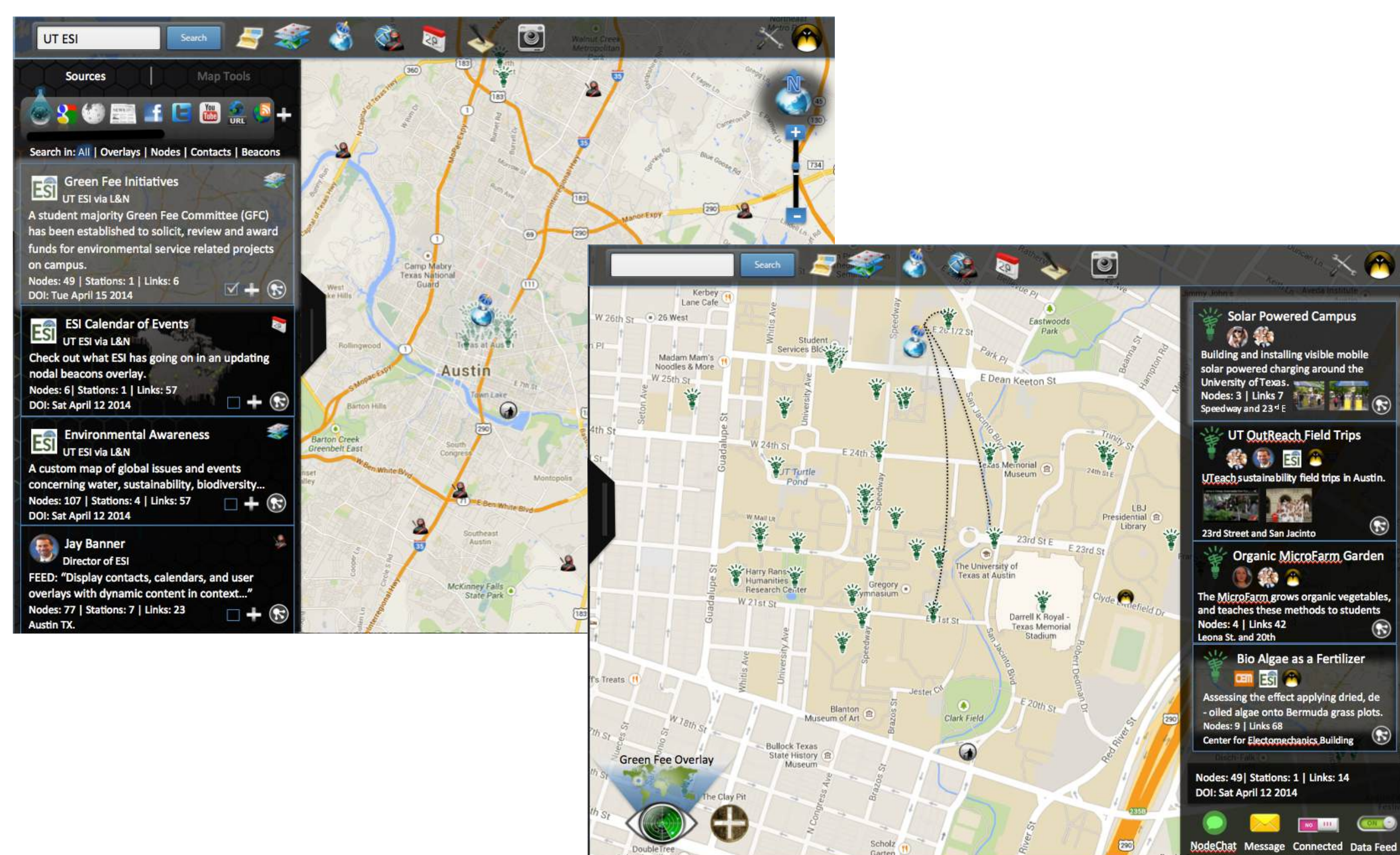
## Goals and Motivations

- Organize the Web on Maps: To Depict diverse information to allow individuals to connect with their environment, discover information, organize events in time
- Develop Trusted Networks: To Allow individuals to establish peer-to-peer network relationships based on collaborative social, artistic, and economic interests.
- Inform Communities: To Promote citizen journalism, information sharing, and community participation through tools that facilitate organization and collaboration.
- Incorporate Diverse Value Systems: To Explore new economy entrepreneurship (crypto, trade, gift economics, social capital, diverse value evaluating systems, etc.)

## Future Directions

By identifying and connecting people with environmental information and sustainability actions already in existence, it is possible to begin to reimagine how our diverse communities develop, explore, and share science and sustainability information.

- Crowd Funding
- Innovation Submission (grants)
- Collaborative Development



## Acknowledgments

Thank you to Dr. Paul Adams Professor of Geography (faculty mentor), Rose Mastrangelo (BDP Advisor), and Dr. Jay Banner, Director of ESI (mentor)