



Windformation

Drew Inglis, Rachel Miller, Rupa Patel, Rob Rua, Julia Teitelbaum

Our Clients



Paul Fischbeck,
Dept. of Social and Decision Sciences



Paulina Jaramillo,
Dept. of Engineering and Public Policy

The Project

- » Wind developers consider many factors when choosing where to build new wind farms
- » Our application makes it easier for them to consider these factors by presenting a unique set of data.

The Data

- » Set of existing and potential wind farm sites
- » Set of failed/opposed wind development projects
- » Demographic (census)
- » Geographic and ecological
- » Predicted probability of opposition

The Data

- » Set of existing and potential wind farm sites
- » Set of failed/opposed wind development projects
- » Demographic (census)
- » Geographic and ecological
- » Predicted probability of opposition

Project Vision

- » *Allow wind farm developers to select sites which are likely to be productive and welcome in the community in which they are constructed.*
- » *Allow concerned citizens and organizations to access data about existing and potential wind farm sites to inform their advocacy efforts.*

What Has Been Accomplished

- » A tool that allows users to interactively explore existing and potential wind farm sites.

Demo

» <http://swindfarm.drawinglis.com>

Future Work

- » Allow user to swap columns
- » Dealing with small screen sizes
- » Viewsheds
- » Allow user to compute score for site based on weighting of five variables (impact on people, impact on ecosystems, economic benefit to community, difficulty of permitting, land use impact)

Lessons Learned

- » Client's changing requirements
- » Strictness with requirements for deliverables
- » Clarifying design/development process terminology
- » Value of low-fidelity prototyping
- » When you don't need a backend

Q&A



Thank You

Drew Inglis, Rachel Miller, Rupa Patel, Rob Rua, Julia Teitelbaum