

Scientist Meeting 1

Mary Ellen

- Environmental Engineering
- Focused in imaging

Made database that contains info about wildfires (Agricultural application)

Who will be the end user?

Process-based model

- Build a severity map
- ~~Burn~~ Engineers to develop } Maybe research tool
- ★ High school students
- Burned Area Emergency Response team member

Main goal

- Access gps coordinates
- Scientist input metadata
- Calculates predictions ~~for~~ for erosion
- ★ Maybe comparison between cover type areas

Focus (which one?)

Disturb WEPP | Rapid Response Erosion Database

- Location: Michigan

→ gets soil information

She uses GIS interface

Implementation

- Drop Down Menus
- Parameters: Vegetation type
 - Slope length
 - Cover percentage
 - Climate File → The user selects from a list
- Intuitive, easy to use, and implement in a mobile application website

Results do not need to look similar to website results

↳ Keep displaying user input, if possible

↳ Display the probability of erosion

Keep an eye out for significant figure (decimal point)

- What should user get out of the app?

Understanding how the cover affects erosion in their specific location

User inputs collected data

↳ looks for how much cover there is in location