WEATHERBLUR

MOBILE DATA COLLECTION AND MAPPING FOR STEM EDUCATION

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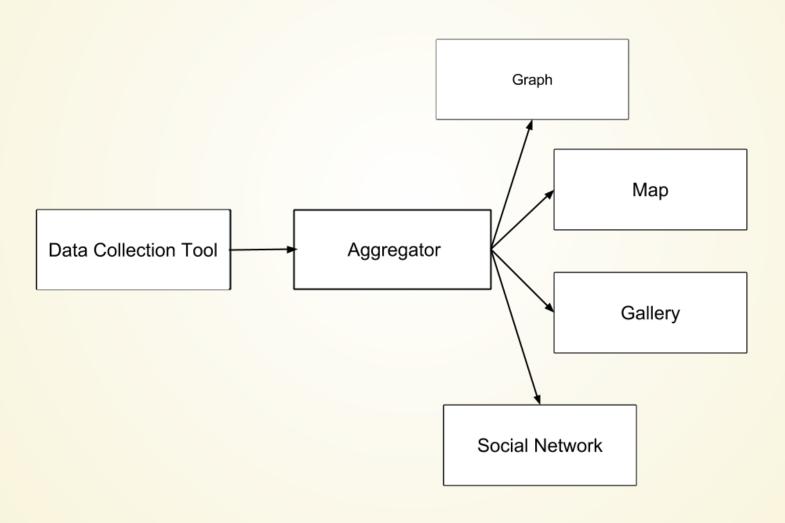
6 NBT SOLUTIONS

- Focus on geospatial web applications
- Build custom web mapping applications

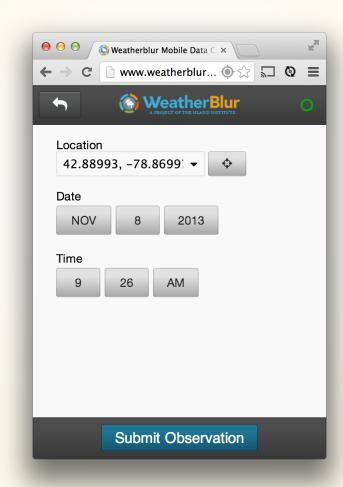


- Facilitate communication among teachers, students, fisherman and scientist in order to deepen participant understanding of earth science concepts
- Used by elementary and middle schools in Maine and Alaska
- Integrated into the school's curriculum
- Works to promote and sustain Maine's island and remote coastal communities

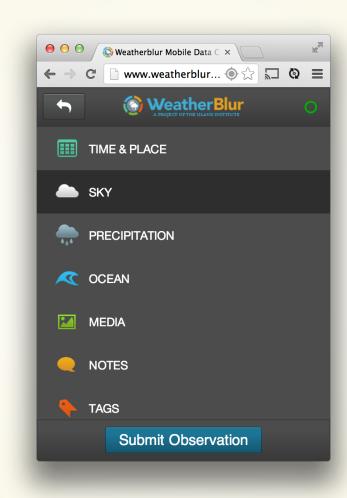
ARCHITECTURE



DATA COLLECTION TOOL



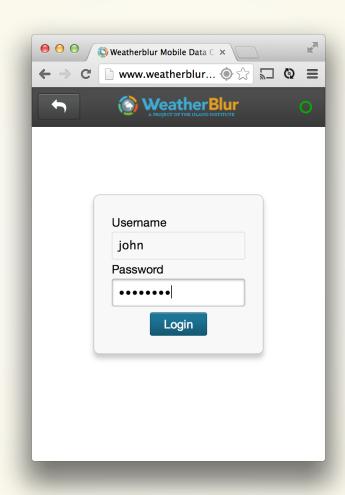
PICK A MEASUREMENT



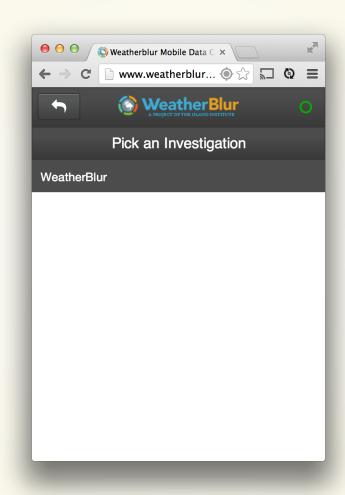
PICK A MEASUREMENT

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GW d B	0
Temperature 40 °f	
Wind Speed knots	
Wind Direction Wind Direction coming from	
Barometric Pressure in	
Rising or Falling Rising or Falling	
Submit Observation	

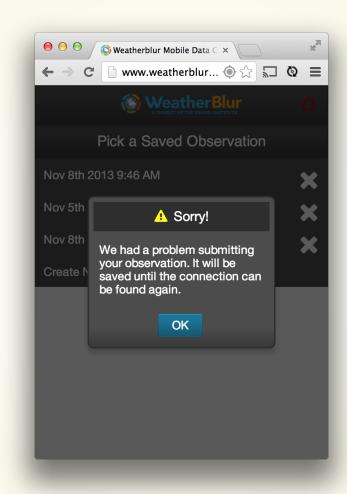
SUBMIT AN OBSERVATION



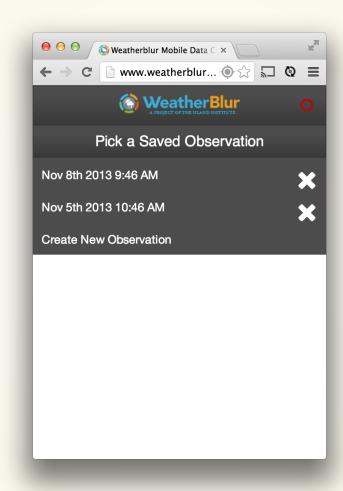
PICK AN INVESTIGATION



OFFLINE MODE



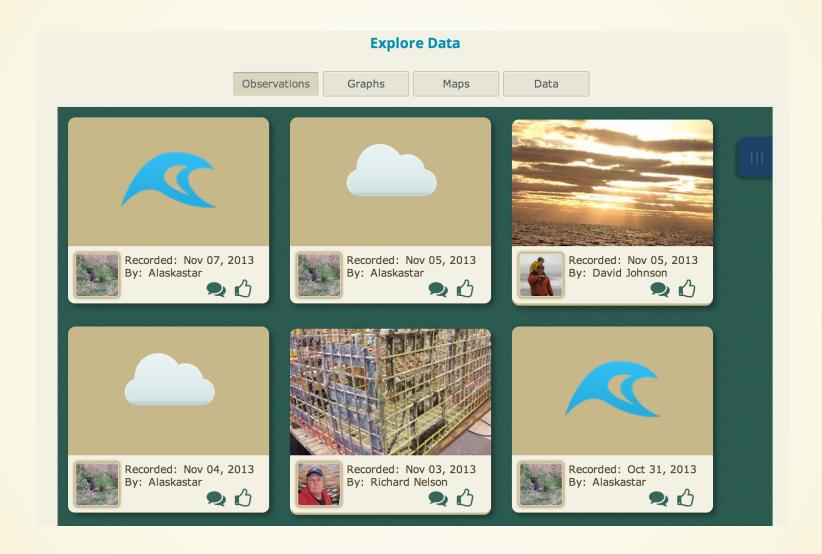
OFFLINE MODE



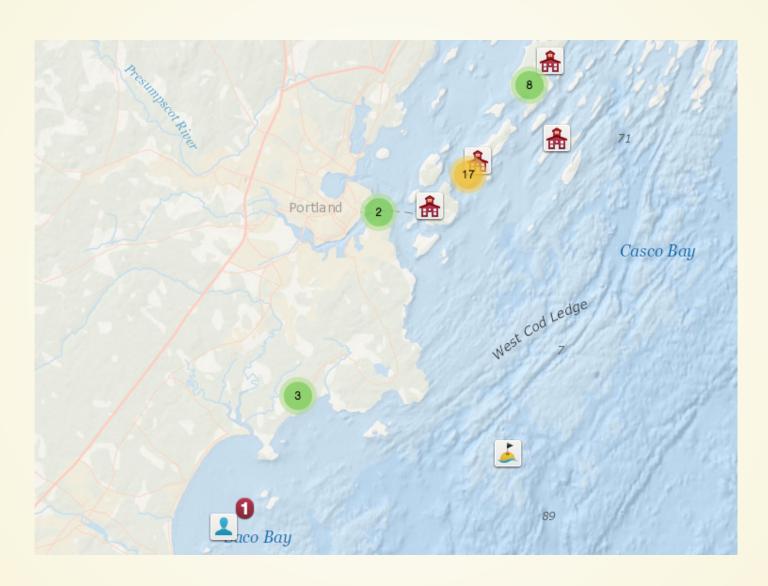
AGGREGATOR

- Store Observation Data
- Provides an API to access the data
- Only users submit data
- Buoys and weather stations will be added in the future

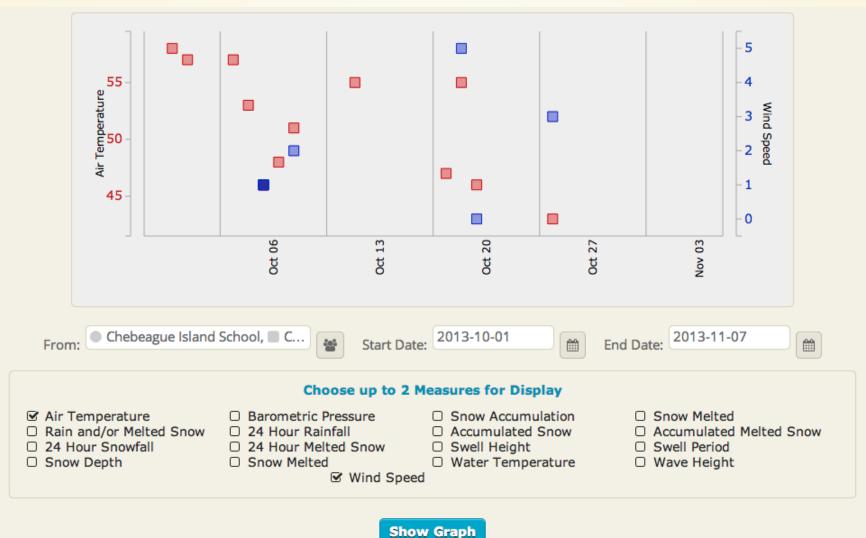
GALLERY



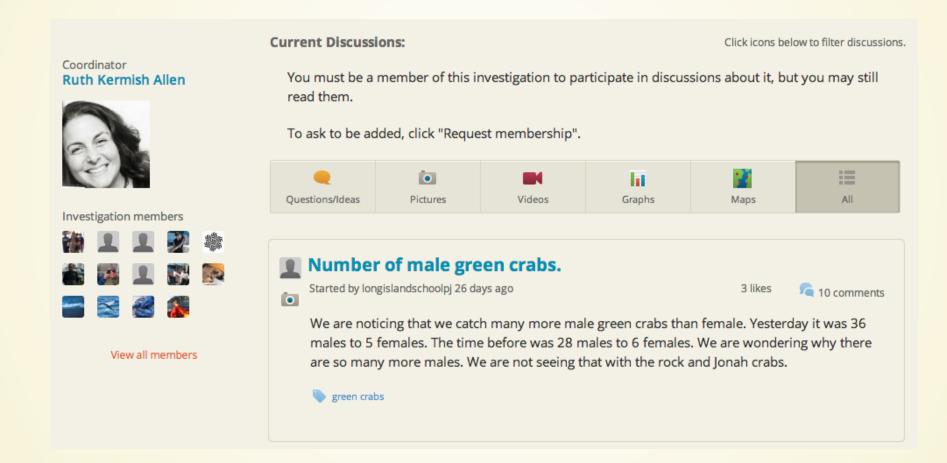
MAP



GRAPH



SOCIAL NETWORK INVESTIGATIONS



SOCIAL NETWORK

Pulling it all together

MAJOR TECHNOLOGIES

- Leaftlet
- PostgresSQL/PostGIS
- JavaScript
- Groovy
- PHP
- ELGG
- D3
- Heroku/EC2
- Reveal js

QUESTIONS



INTERESTED?

PLEASE TALK TO ME AFTERWARDS

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