

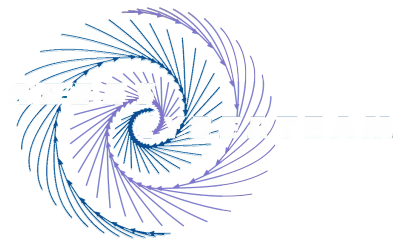
Project WiCCED ML

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Project WiCCED



Assessing threats and developing solutions to mitigate human, agricultural, and natural pressures threatening water security in Delaware's changing coastal environment.

<https://projectwicced.org/>

algal blooms



salt water intrusion



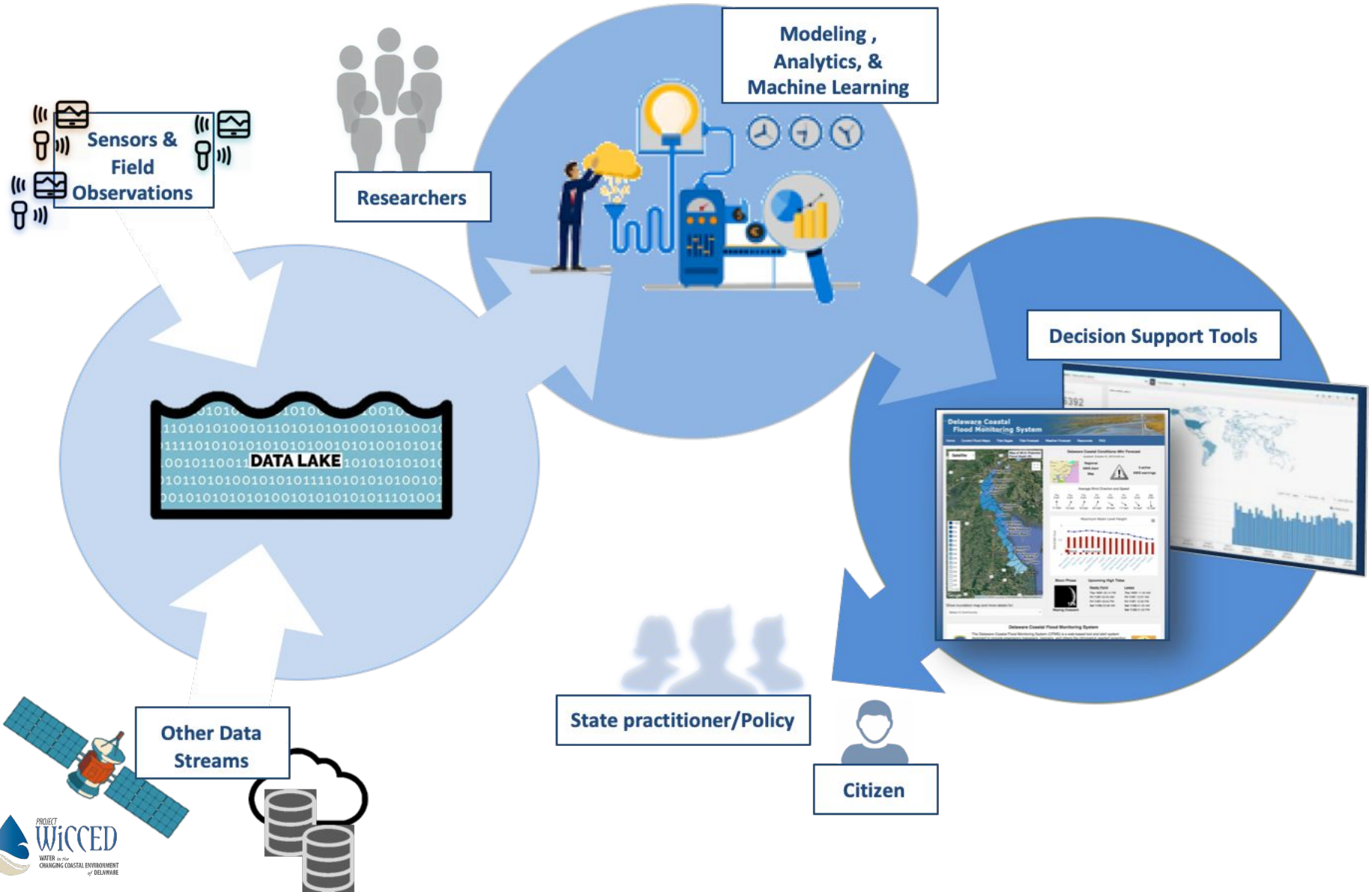
flooding



sea level rise



Idealized Workflow



Goals

Improve Access to Data (Python/R Code)

- review & improve existing code
- develop new code

Documentation

- Document procedures for accessing data
- Provide Technical documentation on API

ML Modeling

- Working with researchers
- Testing models

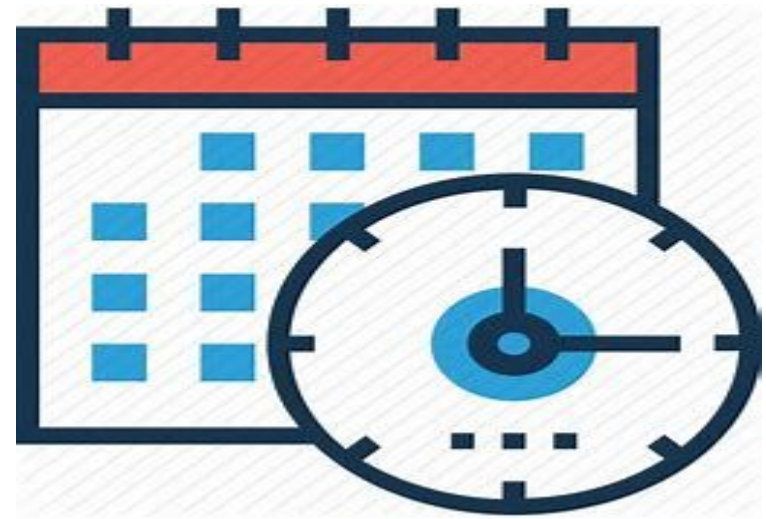
Technical Assistance to researchers

- Help others get connected to data
- ingesting data



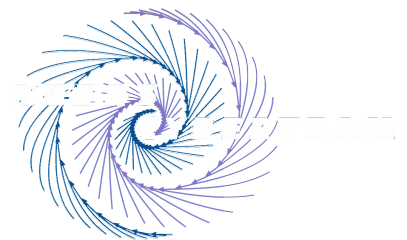
Timeframe

- 3/1/21: Launch
- 5/1/21: Mid-Point Check and Review
- 8/1/21: Wrap-up



What I hope to learn

- Using API to connect to servers
- working with ML models
- Using R and Python for Big Data retrieval
- How to write proper technical reviews



Project WiCCED ML

- Help needed
 - Second opinion
 - Live support/direction

