

# NCAR Scientific Data

*Data Analysis Web Application*

# Project Overview

Build a web application that runs analysis on a subset of climate model data and outputs a script for re-running the workflow.

## Team

Seongmin Choi - Deployment Lead

Bobby Crimi - Architect/Research Lead

Connor Guerrieri - Source Control Lead

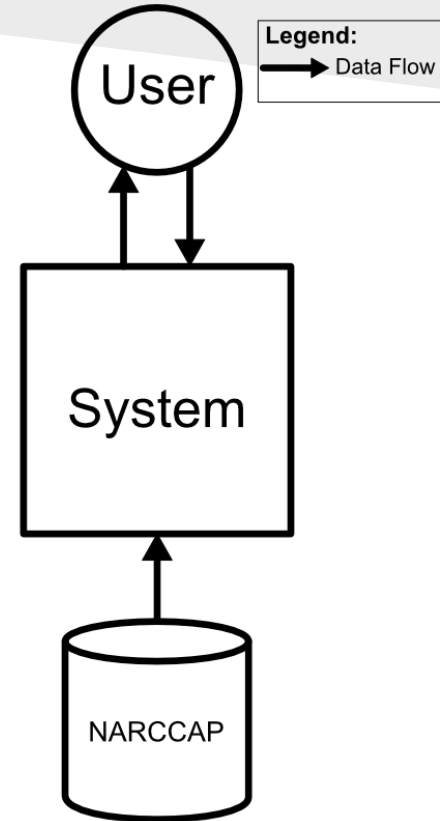
Bo Han - Test Lead

Hannah Keller - Team Lead

Hannah Thomas - Documentation Lead

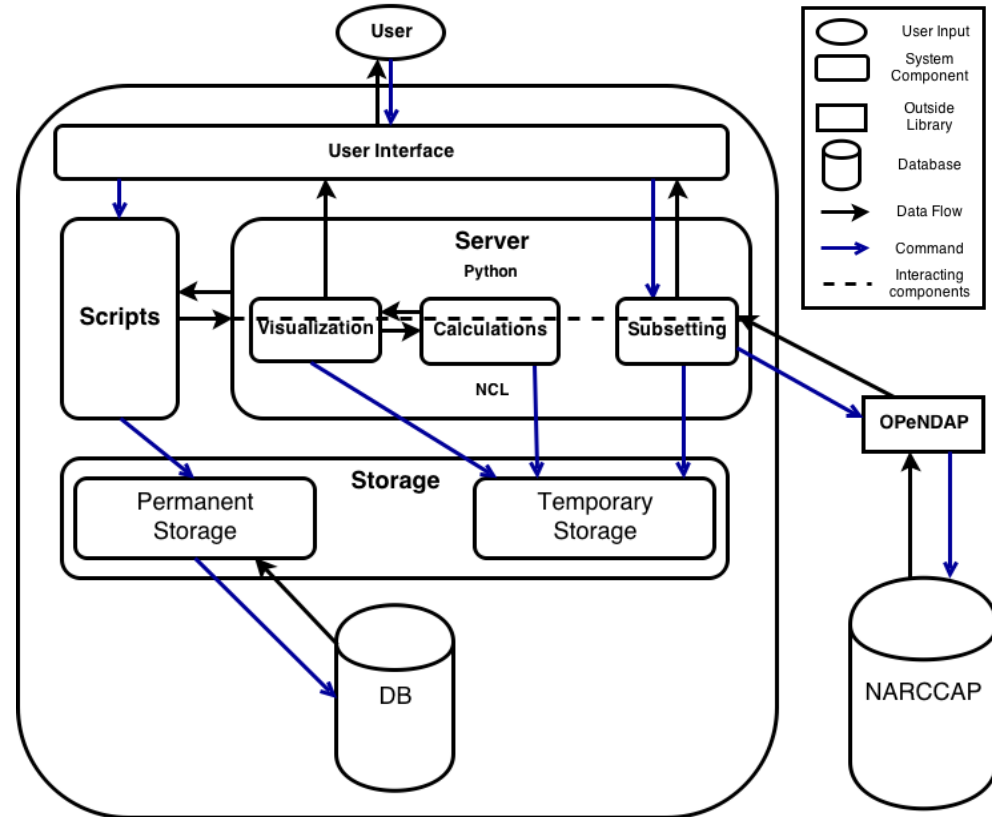
# System Context Diagram

- User: impact users or climate scientists
- NARCCAP: climate model database



# Conceptual Architecture

- User Interface
  - Visualization
  - Calculations
  - Subsetting
- Script building
- OPeNDAP - subset NARCCAP data
- Storage





# Risks

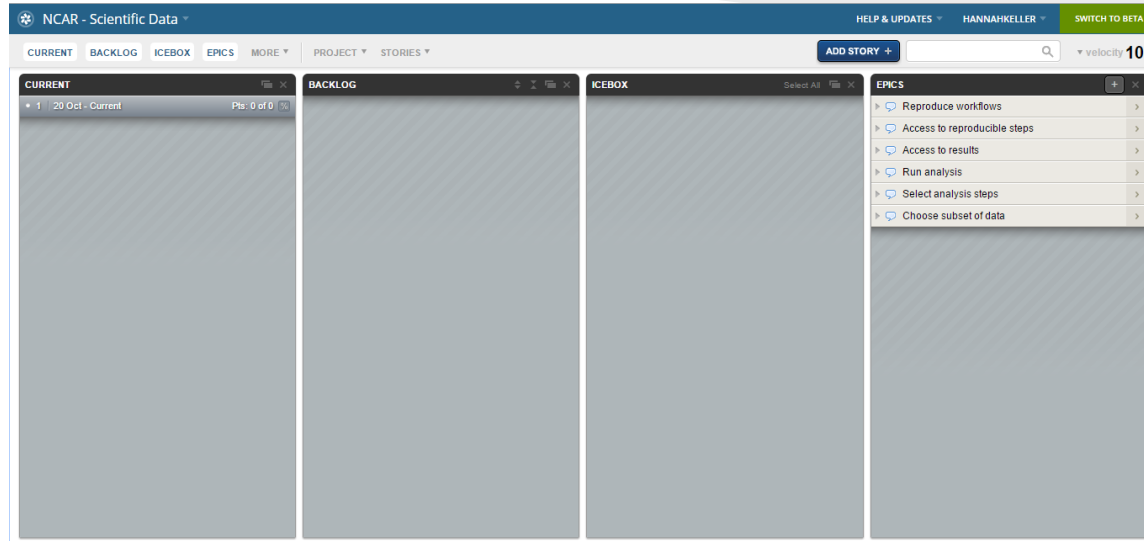
- Estimation and scheduling
- Integration of tools
- Workflow reproducibility
- Breakdown of specification
- Resource availability

# Next Steps

- Set up infrastructure
- Choose APIs
- Breakdown user stories
- Prototype workflow

# Progress Tracking

- Pivotal Tracker
  - User stories
  - Velocity
  - Burndown
- Iterations of 2 weeks
  - Sponsor also works on 2 week iterations





Questions?