Intro paragraph

* Ecological forecasting provides a novel approach for managing lakes and reservoirs in the face of increasing water quality variability.
  + Definition of forecasting
  + Description of iterative, near-term forecasting cycle (Dietze et al. 2018)
  + We note that this is different from prediction or projections 🡪 put into Box 1

**Define and make relevant to lakes and reservoirs**

**Box 1: Glossary of forecasting terms in lakes and reservoirs**

Data assimilation – aka data-model fusion

Ensemble

Forecast

Human-centered design – human-in-the-loop

Iterative

Near-term

Prediction

Projection

Quantified uncertainty

FAIR

Within Case Study: FCR

* Description of FLARE system
  + Figure 1: High-level workflow diagram (similar to the SCC workflow fig from talks, not the Lucid chart box/arrow diagram)

Within Lessons Learned from FCR

* *Understanding decision-making processes of managers is critical for understanding how forecasting would integrate into workflows.*
  + Ethical considerations of marine forecasts
  + Forecast dissemination and communication
    - How are you disseminate your forecasts
    - *Uncertainty communication*
      * How best to communicate risk of discrete events (hits/misses) vs. continuous conditions, more