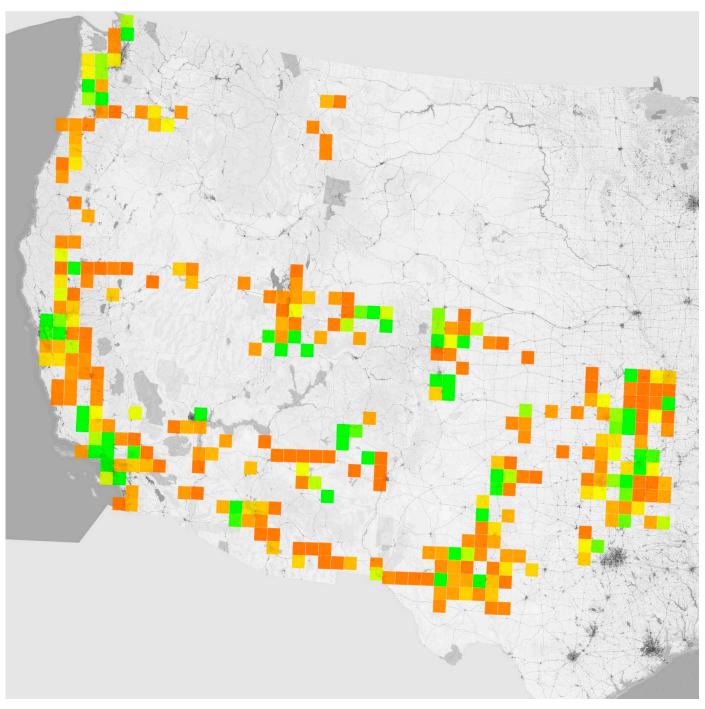


CUSP Analytics Working Group

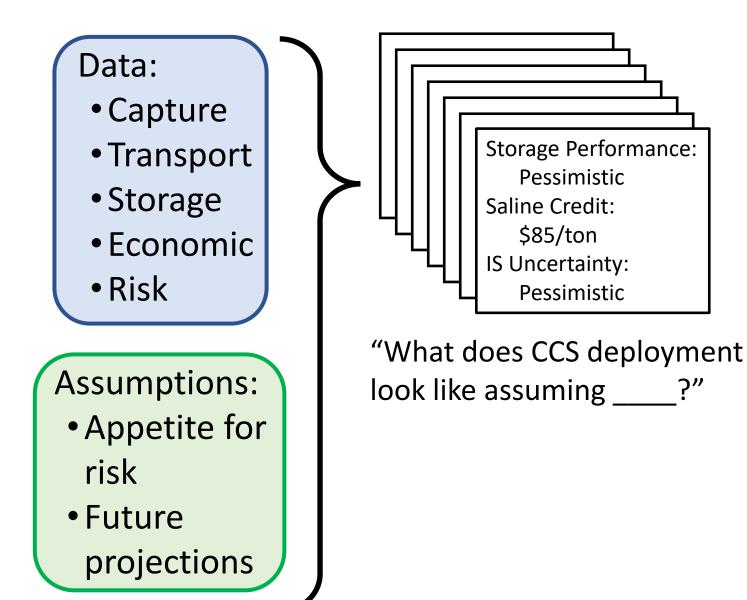
Sean Yaw Montana State University sean.yaw@montana.edu

Readiness Indices

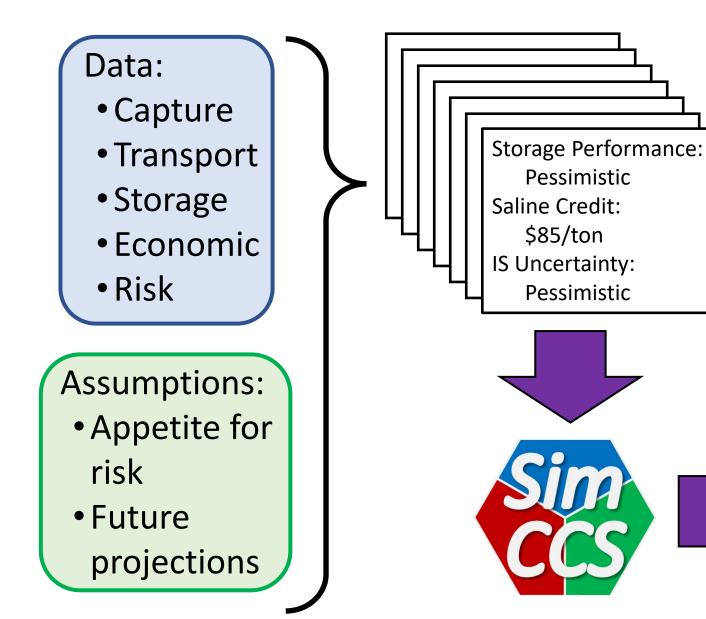
<u>SOPO</u>: "The partnership will develop a set of metrics to help rank sub-regions using a variety of parameters...that contribute to a readiness index for CCUS."

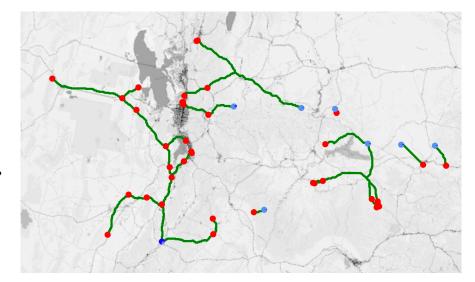


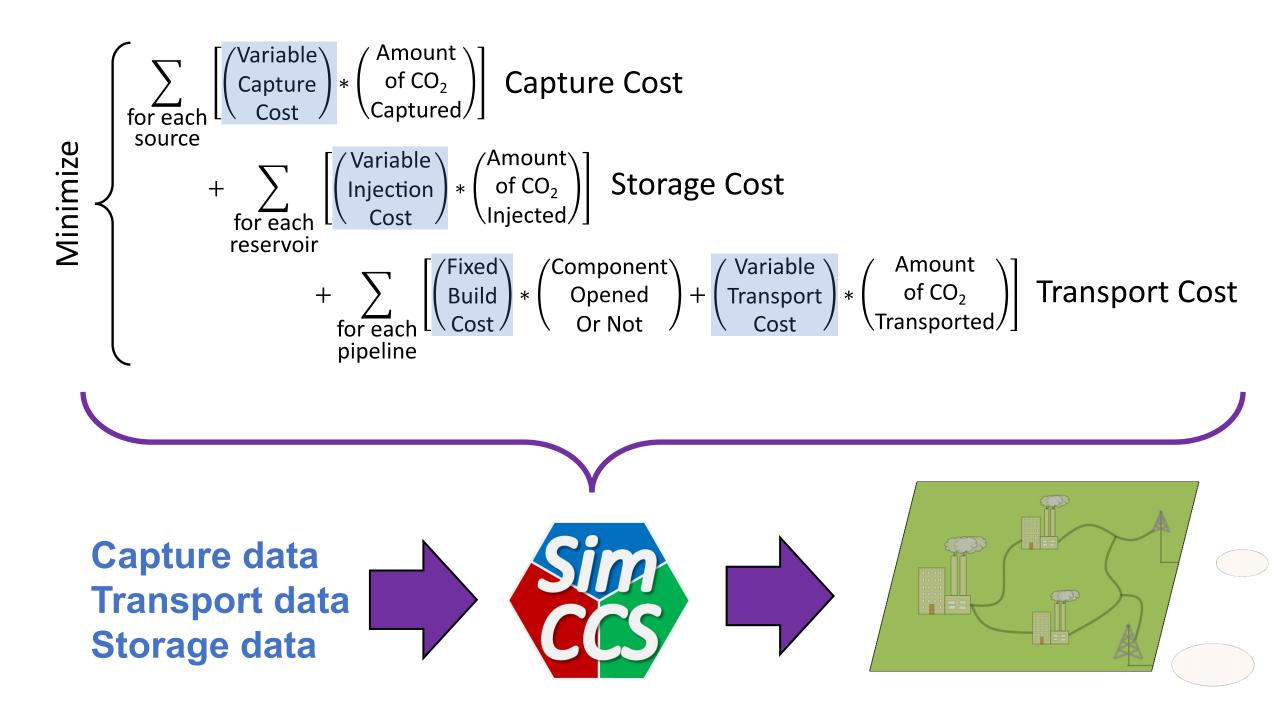
Readiness Indices Workflow



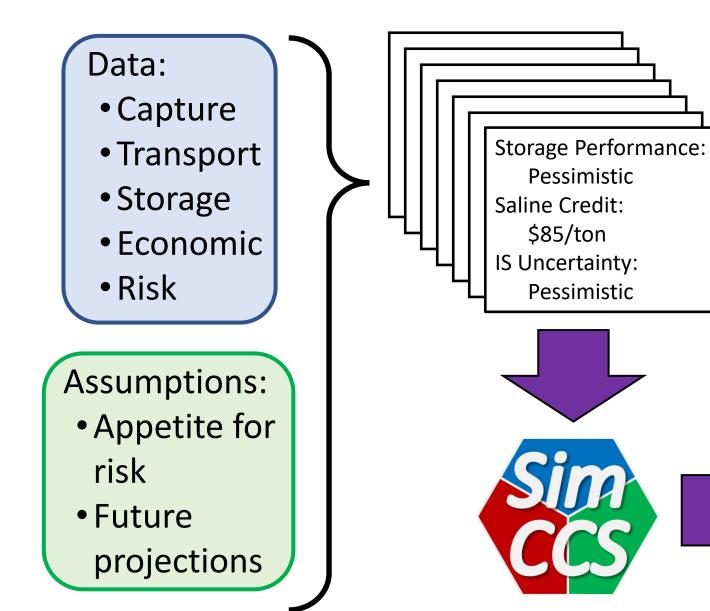
Readiness Indices Workflow

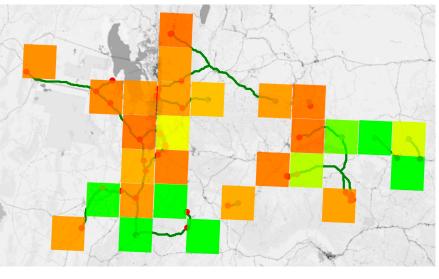




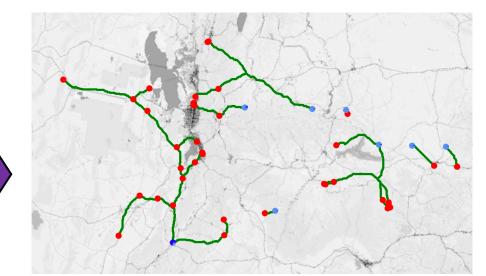


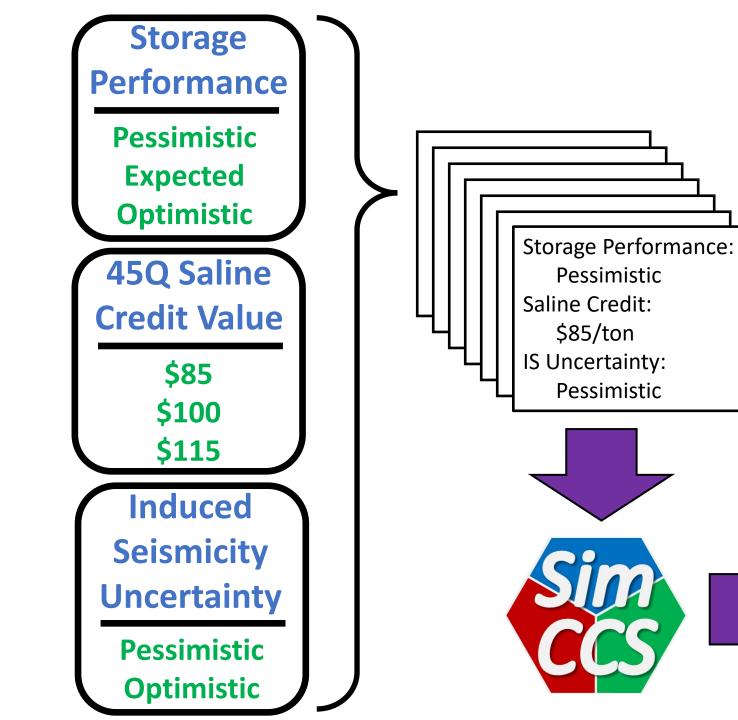
Readiness Indices Workflow

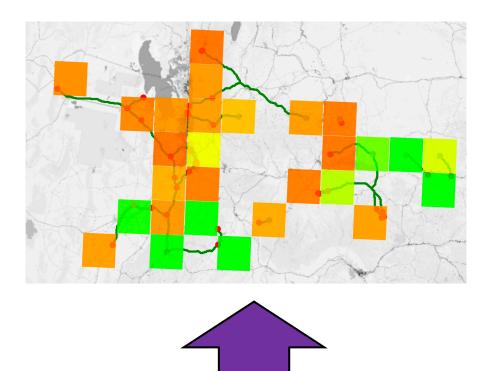


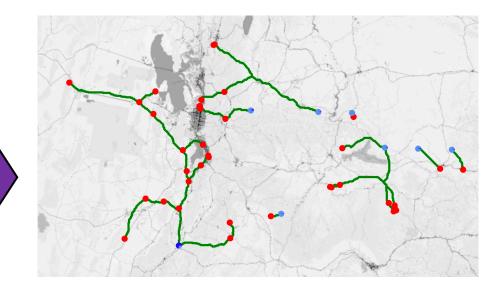












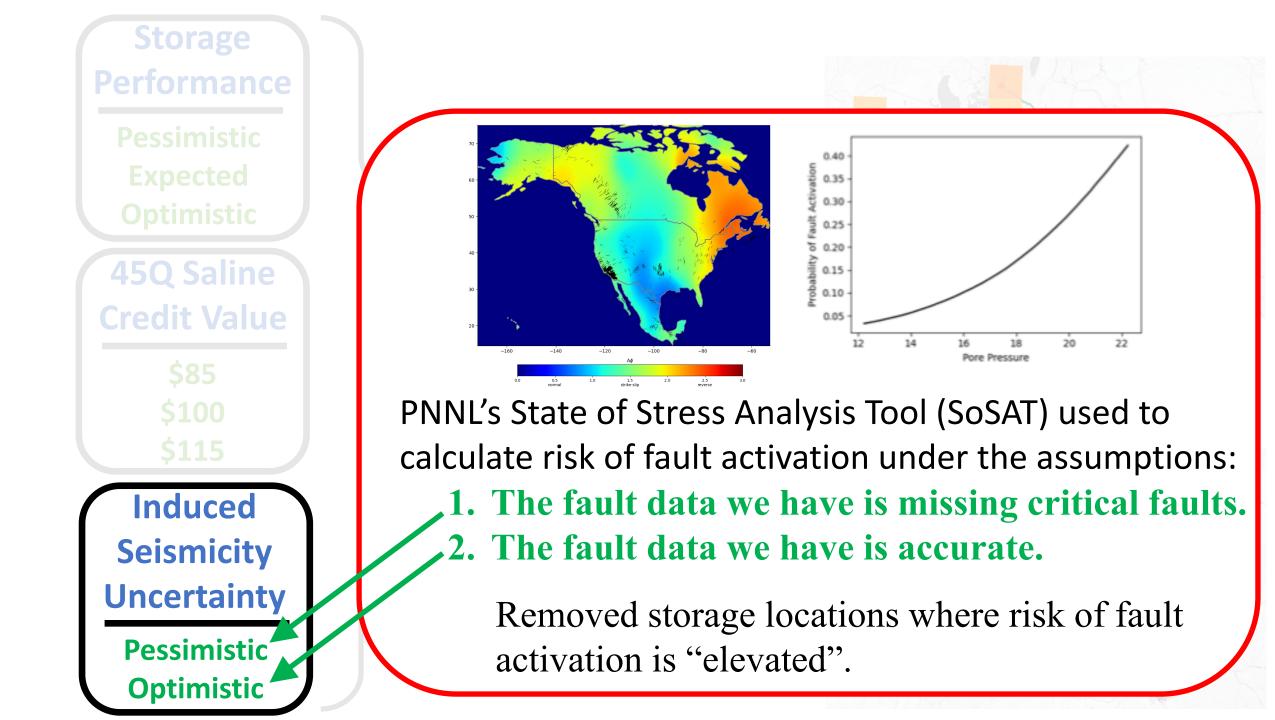
Storage Performance Pessimistic Expected **Optimistic 45Q Saline Credit Value** Induced Seismicity

Uncertainty

Pessimistic Optimistic Carbon Solutions' SCO₂T tool used to estimate storage capacity and cost under the assumptions:

- 1. The reservoir under-performs.
- 2. The reservoir performs as expected.
- **3.** The reservoir over-performs.





Scoring schemes:

- <u>Volume</u>: Aggregate the total amount of CO₂ processed in each cell, divide by the largest cell value, translate to Red-Yellow-Green color scale.
- 2. <u>Cost</u>: Aggregate the cost per ton of CO2 processed in each cell, divide by the largest cell value, translate to Red-Yellow-Green color scale.

Pessimistic Optimistic

