

What should the carbon cluster do?

Involve Department of Energy

Engage AmeriFlux community

How can Federation support mitigation wedge efforts (first, identify decision makers who would use the information & find out what the needs are)

Decision points of farmer doing soil sequestration; who makes the carbon exchange decisions; how to validate; how to measure; who does the measurement

Define what information would be useful; need to approach agencies or organizations at the technical staff (not policy) level since they're the ones working with the data

Strong need to do education and outreach

Connection to regional climate modeling

Identify research & data gaps, priorities from Earth science to support the carbon question

Need to identify users

Evaluate the "right" policies

Who are the decision makers?

USDA, EPA, DOE, state decision makers, local decision makers

Soil moisture (important for drought; agriculture) – how can we improve the observations and the modeling

Find out user needs – get requirements; develop use cases; amass a suite of tools and document data products and services produced by ESIP Federation partners

What would be the product of the carbon cluster?

TBD

Recommendations:

1. Form a Carbon Cluster
2. What the Carbon Cluster could/should do?
  - a. Increase visibility of ESIP Federation within DOE & more relevant to ORNL DAAC
  - b. Identify users/potential users of carbon data and information; get their requirements & develop use cases (some possible initial targets: USDA, EPA, DOE, state decision makers, local decision makers, carbon trading/exchanges)
  - c. Document data products and services related to carbon that are produced by Federation partners