Leveraging Open Source Tools across NSF-funded Projects: Partnerships, Integration Models, and Developer Communities

William Finzer, The Concord Consortium
Dan Damelin, The Concord Consortium
Amy Busey, Education Development Center

Goal

Discuss the spectrum of experiences, successes, and frustrations around **cross-project collaboration**, and how **open source tools** have the potential to affect how projects/people work together.

The Concord Consortium

EDC OCEANS *of* DATA INSTITUTE

Discussion (15 min)

- What kinds of collaboration experiences have you had along this spectrum?

- What have been your joys? frustrations?

- *What came up that we should revisit later in the session?*

The Concord Consortium

EDC OCEANS *of* DATA INSTITUTE

What Is CODAP?

- Free,
- Open source,
- Browser-based,
- Commercial friendly,
- A platform
- Strives to be flexible, adaptable, general
  - And *easy to use*
- Designed for learners (not practitioners)

CODAP in the "Working Together" Spectrum

- The core of a growing community of developers of educational materials, software, and curricula.

- A source of ideas, support, collaborators

- A focus of thought about data science education and data science education research

The Concord Consortium

EDC OCEANS *of* DATA INSTITUTE

How Join the CODAP Open Source Community

- Use "as is" with support from community
    - Create data-rich documents for use by learners
    - Embed in online materials
- Create your own "data interactives" to embed in CODAP
- Include CODAP team as sub-awardee to develop additional capabilities and help with integration
- Clone the GitHub repository, modify, submit pull request to make improvements available to others

Try CODAP

- Go to: http://tinyurl.com/CODAP-examples
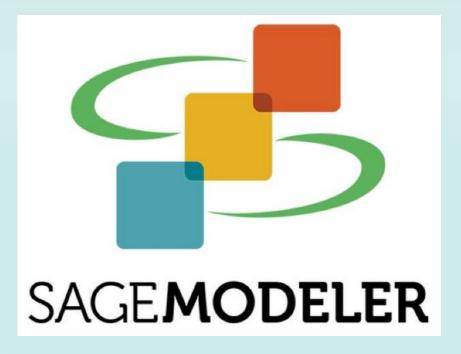- Scroll to the bottom of the session description to find links to example documents.

CODAP in the wild

Small group discussion (10 min)

1. What are your thoughts now about the "working together spectrum?"

2. In what ways might your plans for future work be influenced by this session?

3. What advice do you have for the CODAP team in pursuing its goal of building community?

4. Based on your experiences forming partnerships, how does a project like CODAP fit into communities and/or partnerships you see? Are there ways that you would like to make use of CODAP now, in the near future, or in the long term?

The Concord Consortium

EDC OCEANS *of* DATA INSTITUTE