

Defining Academic Research Competitiveness



Liz Lawrence
OIA/EPSCoR
May 21, 2018



Mission

EPSCoR enhances research competitiveness of targeted jurisdictions (states, territories, commonwealths) by strengthening STEM capacity and capability.

What does this actually mean?



EPSCoR Evolution

RII Track	Goal	Developed in Response to:
Track-1	State-wide infrastructure capacity enhancement to improve academic research competitiveness	NSB 78-12 (1978)
Track-2	Facilitate collaborations; Catalyze engagement in NSF priorities	EPSCoR 2020 (2006) EPSCoR 2030 (2012) America COMPETES (2010)
Track-3	Build Diverse Communities	EPSCoR 2030 PD/PA Feedback
Track-4	EPSCoR Research Fellows: Foundation for research collaboration	NAS (2013)

Expanding scope -> Growing capacity -> Increasing Competitiveness?



Academic Research Competitiveness (ARC)

Multidimensional construct spanning varying levels of engagement

- **Jurisdiction** - includes academic, nonprofit, and private-sector organizations that contribute to jurisdiction-level competitive advantage in science
- **University-Institution** - includes centers, departments, or major laboratories
- **Project-team** - may include individuals in multiple jurisdictions or universities
- **Individual** – includes researchers and students at all levels



Academic Research Competitiveness (ARC)



ARC Breakout

- 1) What do you think ARC looks like at each of these levels?
- 2) What factors can be used to help define ARC at each level?
- 3) Come up with one thing that could improve your jurisdiction's ARC at each level.

Individual

Project-team

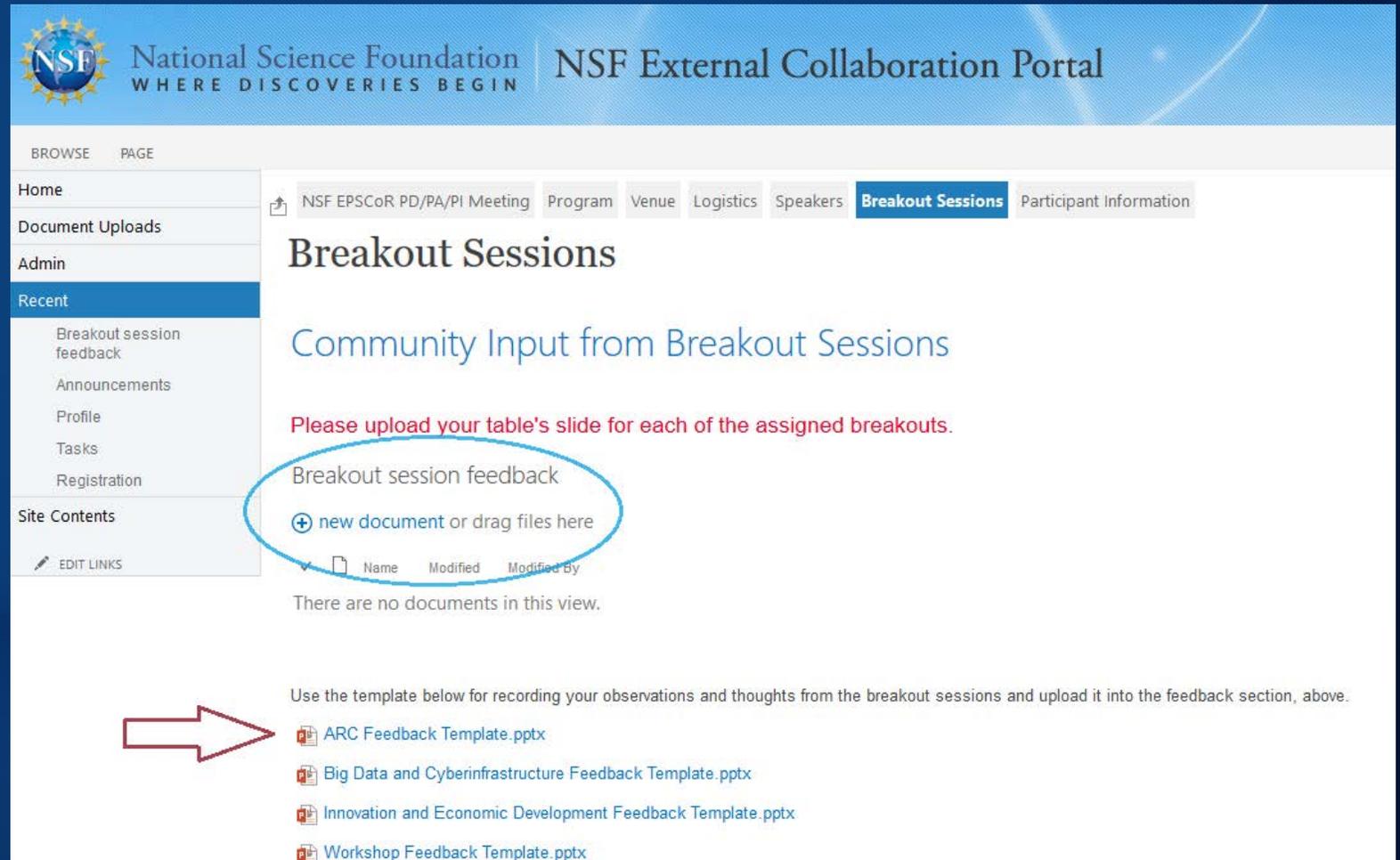
University-Institution

Jurisdiction



Use the meeting SharePoint site to upload your feedback

- 1) Download the ARC Feedback Template onto your device and answer each question.
- 2) Save it to your device with your group or jurisdiction's name. (Ex: ARC Feedback, Alabama)
- 3) Upload your feedback into the "Breakout session feedback" section on the site



NSF National Science Foundation WHERE DISCOVERIES BEGIN NSF External Collaboration Portal

BROWSE PAGE

Home NSF EPSCoR PD/PA/PI Meeting Program Venue Logistics Speakers **Breakout Sessions** Participant Information

Breakout Sessions

Community Input from Breakout Sessions

Please upload your table's slide for each of the assigned breakouts.

Breakout session feedback

+ new document or drag files here

Name	Modified	Modified By
There are no documents in this view.		

Use the template below for recording your observations and thoughts from the breakout sessions and upload it into the feedback section, above.

- ARC Feedback Template.pptx
- Big Data and Cyberinfrastructure Feedback Template.pptx
- Innovation and Economic Development Feedback Template.pptx
- Workshop Feedback Template.pptx

