

# OSG subcommittee on measuring impact

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# Purpose of this presentation:

- Walk you through the discussions we've had in this committee
- Lay out the questions we've considered, and identify our top priority for measuring impact
- Ask for your feedback -
  - Do we have consensus on high-priority measurements?
  - Are there other questions we should be considering?
  - Where/how should we focus future effort for more granular recommendations?

# Setting the scope: OSG has a large number of stakeholders who we need to consider

## Goals

- **Advance** awareness, participation/integration, funding.
- Arm OSG representatives with data/information that is easy to share, explain, etc.,
- Provide **qualitative** context along with **quantitative** impact.

## Stakeholders/Audience

- OSG (PATH/IRIS-HEP) funding agencies: NSF, DOE, etc.
- Researcher funding stakeholders: above + NIH, ...
- Researchers and research teams
- Research computing service providers and staff
- Campus administrators (esp. research- and IT-responsible like VPR, VCR, CIO, etc.)
- OSG Leadership: Council, Executive Team
- OSG staff (who represent and speak about OSG to all other audiences)
- 'the public'

Out of scope: 'internal' system/tech/user metrics, not relevant to big pictures of 'impact'

# What questions are we trying to answer for our audience?

This question is urgent, because we currently have no way to answer it:

1. **What societal impacts [eg [NSF Broader Impact](#) categories] are advanced by projects benefiting from OSG?**
  - Including impact of education programs, number of projects attributable to BI categories

Of less urgency (but still to be considered):

2. How are research projects advanced by the OSG? (qualitative)
3. Which institutions participate and via which services?
4. How much research data do OSG resources support?
  - (Some of this data is already collected)

# What societal impacts [eg NSF Broader Impacts categories] are advanced by projects benefiting from OSG?

How could we answer this question? Some possibilities:

- Quantitative:
  - Summer schools - how many learners stayed in a research career path? How many were able to achieve something they couldn't have without the school?
  - Breakdown/history of OSG meeting presenters and participants in BI categories?
  - How many projects using OSG are attributable to each of the BI categories?
- Qualitative, rather than merely quantitative impact
  - Vignettes/success stories from high-impact research done using OSG resources.
    - E.g. what could people who attend the OSG school do in their research that they could not do before (survey)?
  - What stories/descriptions of societal impact exist about different research groups/projects?

# Thoughts on how we can answer our other questions:

- How are research projects advanced by the OSG? (qualitative)
  - OSG could provide a website to each OSG user that collates their publications
  - A survey asking researchers to report OSG-supported publications
- Which institutions participate and how?
  - Resource contribution:
    - How many organizations contribute resources for use outside of their own research community?
    - How many organizations contribute resources to the OS Pool?
- How much research data do OSG resources support?
  - PB moved, per different time windows. In OSPool. In other Pools.
  - Number and percent of total jobs depending on data federation.
  - Number and percent of projects depending on data federation.

## Our ask from the OSG Council:

- Do we have consensus on high-priority measurements?
- Are there other questions we should be considering?
- Where/how should we focus future effort for more granular recommendations?