



Tim Cartwright



Zalak Shah



Mike Stanfield



Huijun Zhu



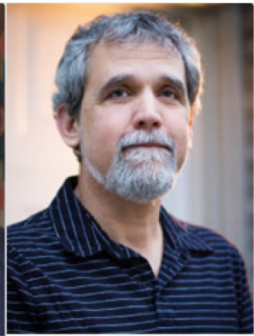
Marian Zvada



Mátyás (Mat)  
Selmeçi



Tim Theisen



Shawn McKee



Brian Lin



Derek Weitzel



Carl Edquist

# OSG-LHC

Frank Wuerthwein (UCSD/SDSC)

5.5 FTE across 12 people

**Operations = UNL**

= 1FTE

**Security = Indiana University**

= 0.8FTE

**Software = U. Wisconsin – Madison**

= 3FTE

**Networking = U. Michigan**

= 0.4FTE

What have we  
accomplished this  
week?





# Big Picture Decisions

- We will have 5-6 milestones/deliverables for the remaining 3 years of the IRISHEP grant that are visible to the NSF.
  - *We identified 5, two in Y3 and Y4 each, and one in Y5.*
  - *Still working through the detailed wording, see next slide for what we got.*
- We will have in addition internal milestones that lead up to these NSF deliverables such that we can track progress towards them.
  - *we will also have internal milestones/deliverables to track our progress towards other IRISHEP area's NSF deliverables.*
- We are very likely to have additional internal milestones/deliverables that are only mildly related to the NSF reporting. Those are for things we want to do to streamline our internal processes, making us more efficient/robust/reliable/sustainable.



# Milestones/Deliverables (Draft)

**December 2020: Have at least one site each for US ATLAS and US CMS in a 100Gbps mesh for perfSonar ... the beginning of perfSonar testing roll-out for US LHC.**

**March 2021: OSG series 3.6, without GCT dependencies is released  
(Official goal is January 2021 ... am giving us some breathing room)**

**December 2021: Have at least 5 instances of refactored Xrootd monitoring in production use.  
At least one instance each of “origin” and “cache”.**

**June 2022: End of support of OSG 3.5 and thus completed transition from person to capability authz.  
(Official goal is January 2022 ... am giving us some breathing room)**

**February 2023: Have one example of a service in either ATLAS or CMS that is using the new deployment paradigm in production, including whatever operational security, software support & validation, policy framework, we come up with, both nationally and internationally. The service can be US only in its deployment if the context is a US data lake. I.e. the data lakes model envisions regional data lakes, and could thus include regional ops.**



## Other action items

- Engage with Skyhook team on packaging Skyhook for easy deployment by the sysadmin community of OSG.
- Revisit our monitoring and accounting infrastructure with an eye towards making performance data of use of the infrastructure digitally available to a larger community.
  - *Start with Skyhook as an example.*
    - Skyhook for the development team to understand the data access patterns its infrastructure sees “in the wild”.
- In context of Analysis Facility prototypes, engage with relevant Tier-2 teams & SSL to understand where OSG software team can provide expertise on packaging and improved deployment of the AF prototype.



# Unresolved Questions

- Do the US LHC ops programs want OSG to provide usage information on HPC, Tier-3, and Cloud use to WLCG to account them as part of their pledges?
- What role if any should OSG play in networking beyond what we do today (i.e. perfSonar)
  - *Traffic Marking, Shaping/Pacing, orchestration*
    - We agreed “none” is the right answer for now, but are leaving it open to revisit later.
- What coordination role, if any, should OSG-LHC play in the context of the data challenges?
  - *We believe ‘none’ is the right answer for now. OSG-LHC will contribute, but not coordinate the activities. Others do the coordination.*

**Comments & Questions**