

# SURAgriid Strategic Plan - Rational

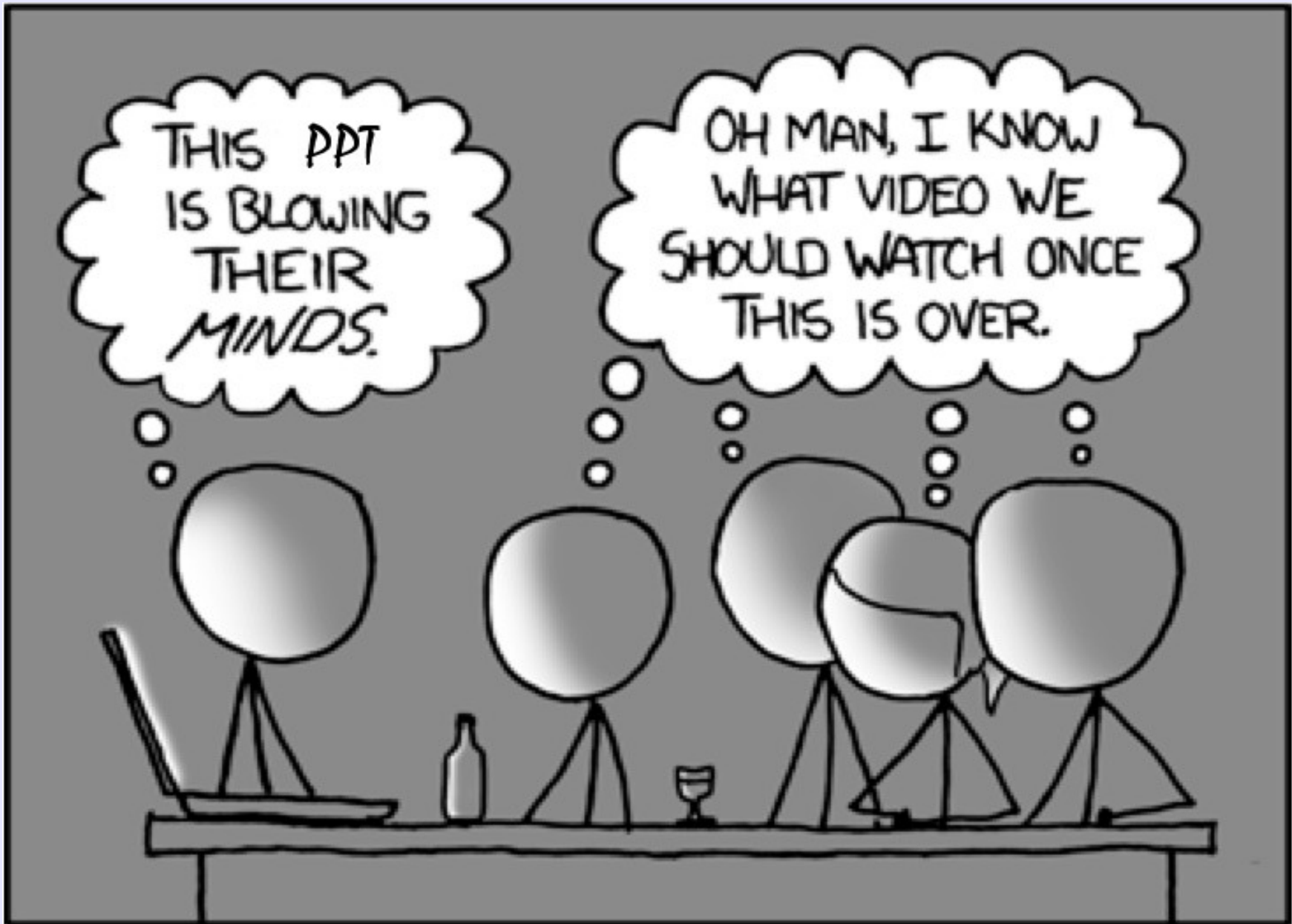
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SURAgriid Governance Committee



*SURAgriid Spring 2012 All-Hands Meeting*  
*24-26 April 2012*  
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# Background

- Previous plan ran from 2008 – 2012.
- Changes in Cyberinfrastructure model:
  - was a SURAgrid specific grid – too much reinventing the wheel.
  - now pursuing an Open Science Grid (OSG) Virtual Organization (VO) approach.
- Process being followed:
  - Situation assessment
  - Define goals
  - Establish metrics
  - Establish milestones



# Situation Assessment

- Some member institutions have HPC resources
  - May have limited support for users.
  - Various levels of documentation and training.
  - Many levels of user experience.
- All member institutions want access to HPC resources
  - essentially no support beyond peer groups.
  - no local training or documentation.
  - Few advanced users, mostly novice, mostly no interested in the details.
- Growing realization that a stand-alone grid required more support resources than members could bring to bear.



# Revised Approach

- Leverage existing Open Science Grid (OSG) infrastructure by creating a SURAgrid Virtual Organization (SGVO).
- Instantly makes issues such as user authentication, software stacks, and work flow handling installation and not implementation issues.
- Goals and Metrics under discussion.



# Goals, Metrics, and Milestones - Oh, My

- The main substance is broken down into goals, metrics, and milestones
  - Goals - Statement of an objective that will alleviate a problem identified in the current situation.
  - Metric - Some measurable that is correlated with a goal.
  - Milestone - a specific metric value target to be achieved at some point in the future.



# Goal 1

- Increase SURAgriid community participation and overall community value.
- Possible metrics:
  - Number of contributing members
  - Number of participating members
  - Member participation in community events



## Goal 2

- Develop and implement policies and procedures for APPLICATION USERS, emphasizing “simple job submission that achieves application results with maximum automation as to where and how jobs run.
- Possible Metrics:
  - Number of application usage procedures.
  - Number of sites with SGVO client installations.
  - Total DOE end user certificates for SGVO





## Goal 3

- Develop and implement the coordination policies and agreements for SGVO APPLICATION ENABLERS, emphasizing solutions for translating user community application requirements so that a user's "simple job submissions" are enabled and mapped to appropriate compute and storage elements of the SGVO.
- Possible metrics:
  - Number of available applications.
  - Number of tickets resolved.



## Goal 4

- Develop policies and procedures for RESOURCE SUPPLIERS with respect to the insertion and removal of compute and storage resources.
- Possible metrics:
  - Number of resource providers.
  - Core-hours made available to SGVO.
  - Core-hours consumed by SGVO.



## Goal 5

- Focus on development of strategic partnerships for the improvement of regional research projects and the shared use of community, regional and national resources.
- Possible metrics:
  - Number of commercial partnerships formed.
  - Number of formal meetings with OSG.
  - Number of formal meetings with XSEDE.



# Milestones

- Milestones are projected target values chosen to indicate successful forward progress on the plan.
- Current year values may be 0 for many, and if a poor choice, may be 0 for the life of the plan.
- Would like to project out 4 years into the future.



# Seeking Comments

- Do the goals makes sense?
  - Achievable?
  - Measurable?
  - Address SURAggrid needs?
- Are the metrics realistic?
  - Measure progress towards goal?
  - Data is accessible?



# Draft Status

- Hammering out a set of metrics and milestones.
- Wordsmithing drafting document.
- Will circulate to all members for comment.



# Discussion?



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