

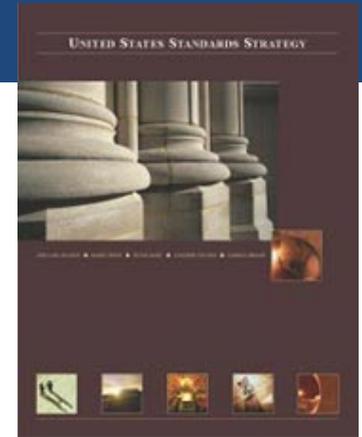
NIST Standards Services Education Challenge Grants

Workshop for 2012-13 Grant Recipients

November 8, 2013
NIST, Gaithersburg, MD

U.S. Standards Strategy

- *Establish, standards education as a high priority within the United States, private, public and academic sectors*
 - Develop or enhance standards education programs
 - National database of standardization case studies
 - Encourage colleges and universities to create standardization programs
 - Facilitate the creation of a communications network for standardization education
 - Action items for all stakeholders



NIST Standards Education Grants

Objectives

- Provide financial assistance to support curriculum development for the undergraduate/graduate level;
- support the integration of standards and standardization information and content into seminars, learning resources, and courses;
- strengthen education and learning about standards and standardization
- program has been operational for 2 years (2012 and 2013) and it is our intention to offer it in 2014

NIST/SCO Standards Education Grant Program

- 2012 Program resulted in 6 awards:
 - Georgetown U.
 - Michigan State U.
 - Northwestern U.
 - San Jose State U.
 - SES/Purdue (2 awards)
- 2013 Program resulted in 3 awards:
 - North Carolina State U.
 - Stevens Institute of Technology
 - University of Pittsburgh

Guidelines 2012

Technical Quality of the Research: rationality, innovation, and imagination of the proposal, and the fit to NIST's documentary standards and legal metrology program

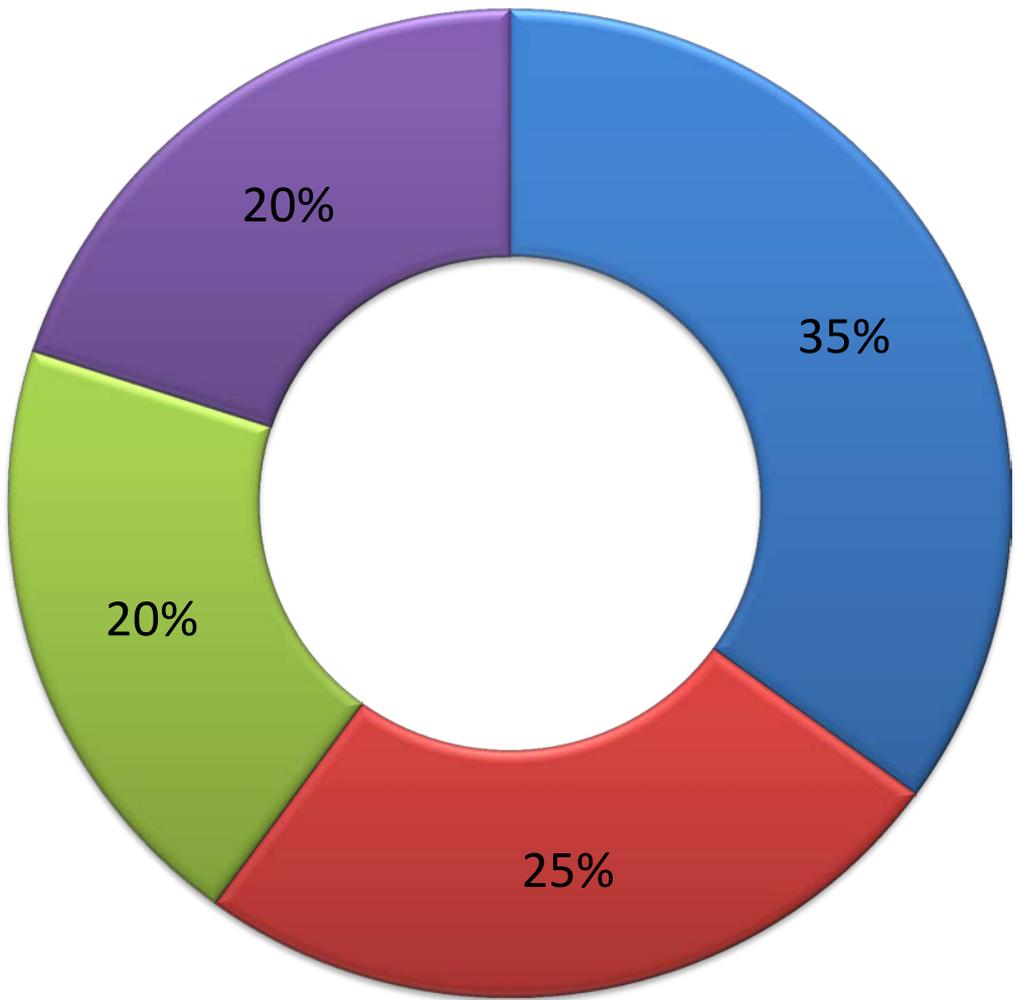
Potential Impact of the Results: potential impact and technical application of the results to NIST's in-house programs and the documentary standards and legal metrology communities

Staff and Institution Capacity to Perform the Work: quality of the facilities and experience of the staff to assess the likelihood of achieving the objectives of the proposal

Match of Budget to Proposed Work: assessment of the budget against the proposed work to ascertain the reasonableness of the request

Dissemination: submit white paper for review and dissemination

Evaluation Criteria (2012)



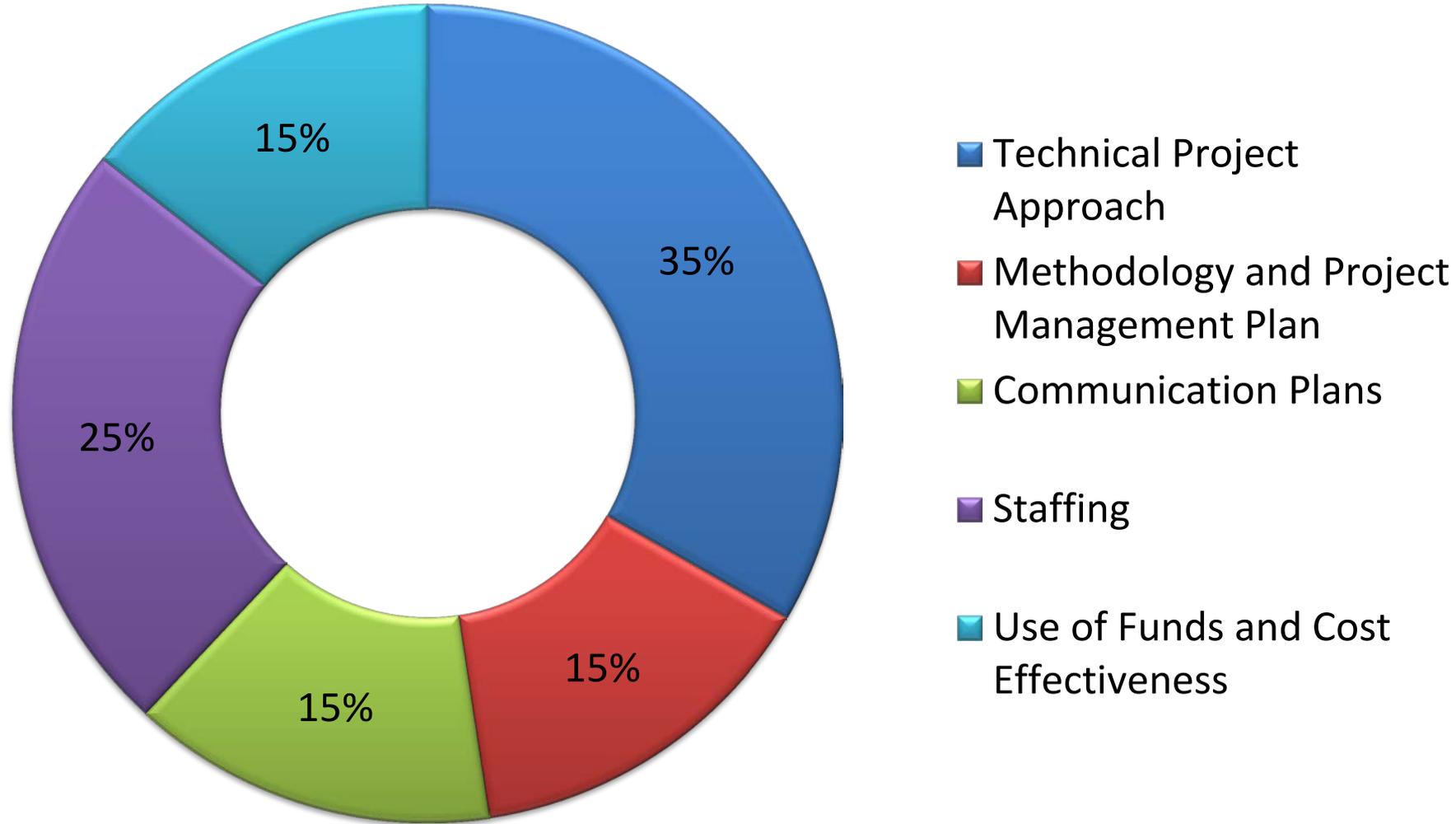
- Technical Quality of the Research
- Potential Impacts of the Results
- Staff and Institution Capability to Perform the Work
- Match of Budget to Proposed Work

Technical Project Approach: identify new, sustainable approaches, methods, and models that can be replicated or built-on by other educational programs to support the integration of standards and standardization information and content into undergraduate and/or graduate level curricula

Communication Plans: Develop a communication plan, including implementation, that makes use of multiple media and technologies to share project information with curriculum development stakeholders.

Dissemination: Disseminate project results for public release, including a summary of major conclusions, in the form of a summary paper

Evaluation Criteria (2013)



Project Summary

Core Objective(s)

- Short summary/description of project including main challenge(s) or problem(s) being addressed and timeline.
- May include a brief timeline, including any additional developments expected to occur within the next 12-24+ months

Institutional Background

- Name of Institution
- School/Department
- Graduate/Undergraduate
- Motivation

Significant Accomplishments

- What are the core accomplishments of the project to date?
- Are there additional goals you expect to meet in the short term (12-24 months)? In the long term (2-5 years)?

Communication Plans

- How was the information shared within and outside of your organization?
- How did you disseminate the information?
- Was your communication plan effective?
- Can the materials be replicated or built on? How? By whom?
- Other?

Communication Plans – Summary Paper

Disseminate project results for public release, including a summary of major conclusions, in the form of a summary paper. Describe the identified problem or need, explain original project goals, describe the innovation that was tested and how it was evaluated, and report the findings, and lessons learned through the activity, including a summary of the tested innovation's suitability and potential for adoption in other educational organizations, communities, or fields of practice.

- Have you written a summary paper, as described above?
- What are the findings (if not described elsewhere)?
- Was writing the paper a worthwhile exercise?
- Are there any plans for presenting the paper at any conferences, workshops or other forums?

- Was the project evaluated? What tools were used? By whom?
- What are the results?

Outcomes

- Did you meet your stated goals and objectives?
- Qualitative and Quantitative Outcomes
 - seminars, learning resources and/or courses offered
 - number of students affected
 - teaching materials created and maintained
 - other organizations impacted
 - change/increase in your organization's priorities with regards to standards and standardization education
 - etc.

Lessons Learned

- Roadblocks, Challenges, Surprises, Successes
- How can your accomplishments be used and/or improved upon in the future?
- Is there anything you would do differently?

From Proposal to Project: Project Management Challenges

- Did your original objectives change, and if so, how and why?
- How did the change(s) alter the outcome(s)? What was the overall impact?
- Did the project timeline change dramatically?
- Did you evaluate use of funds and cost effectiveness? Was your budget realistic? Were the proposed staffing needs realistic?

Additional Information/Future Plans

- Has there been any interest from other academic departments within your institution?
- What are your plans from here forward?

Thank You

Erik Puskar

NIST/SCO

puskar@nist.gov

301-975-8619

<http://gsi.nist.gov>

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