Application Submission Web Service with Cayuse 424

March 2011
Agenda

- Research.gov Overview
- Application Submission Web Service
- Implementation Approach
- How it Works
- Current Pilot Status
- Cayuse 424 Demo
Research.gov

- Research.gov is an exciting new initiative that enables organizations and grantees to access streamlined research grants management services and other resources for multiple federal agencies
  - Serves as the modernization of FastLane, providing next generation service capabilities to meet the unique needs of the research community
  - Provides a menu of tools and information services for multiple Federal agencies in one place
  - Intuitive, easy-to-use environment to conduct business with the Federal Government

- Increases transparency of Federal research spending and outcomes
- Provides the scientific community, public, and Congress with easy access to information about:
  - How Federal research funds are being spent
  - What outcomes are being achieved
  - How those outcomes benefit society

- Leverages government-wide standards
**ASWS and Research.gov**

- Application Submission Web Service (ASWS) enables Sponsored Projects Office staff (SPOs) and Principal Investigators (PIs) to prepare and submit applications directly to NSF using their institutions’ systems.

- Application Submission Web Service was developed to respond to the research community’s need to:
  - Leverage investment in institutional grants management systems
  - Consolidate activity into fewer systems
  - Improve electronic communication between federal agencies, applicants, and grantees
Current Benefits

- Application Submission Web Service seamlessly connects an institution’s system to Research.gov, providing the following benefits:
  - Enables you to use a system you are familiar with to submit application packages directly to NSF
  - Offers a seamless submission process, preparing and submitting applications the same way you would submit any other application using your institution system
  - Provides fast confirmation of application package receipt from Research.gov

- Cayuse also provides additional benefits to its customers, including:
  - Minimizing post-submission processing in FastLane for SPOs
  - Maintaining identical post-submission functionality in FastLane for all stakeholders
Future Enhancements

- Research.gov’s plans for expanding Application Submission Web Service include the following enhancements:
  - Establish an initial proof of concept to demonstrate improved speed and accuracy of electronic grant applications
  - Offer a web service to conduct a pre-submission validation of proposals (late 2011)
  - Provide a system-to-system link of institutions’ systems to Research.gov in support of key grants management business functions, including:
    - Pre-Award: proposals and revised budget submissions
    - Post-Award: financial and performance progress reports
    - Closeout: final project, financial, and project outcomes reports
Implementation Approach

Goal
- Allow research organizations to leverage existing investments in pre-award systems, whether custom-built or acquired from a commercial provider

Approach
- Maintain consistency with government-wide technical standards as implemented through Research.gov and Grants.gov

Implementation
- Uses established government-wide web services standards to:
  - Find information about applying to NSF funding opportunities
  - Submit applications to NSF
  - Obtain submission status information
- Uses the government-wide schemas based on:
  - SF-424 (Research & Related) forms family
  - NSF agency-specific forms (both required and optional forms)
How it Works

Principal Investigator

Prepare

Cayuse 424
Development
Routing
Approval
Validation
Submission

Research.gov
Validation

Review or modify

Sponsored Projects Officer (SPO)

Approve and submit

Review or modify

FastLane
www.fastlane.nsf.gov
**Technical Operation**

- Authenticates each institution with NSF via a digital certificate
- Submits the proposal package to either Research.gov or Grants.gov
- Receives issued grant tracking number and logs it in Cayuse 424
- NSF allows post-submission status checking at Research.gov
Implementation Status

- All grants management vendors or institutions’ grants management systems are invited to participate
- First vendor to participate was Cayuse 424
  - Cayuse has been providing software solutions for grants proposal development since 1994
  - On July 22, 2010, Cayuse became a member of the InCommon Federation and is sponsored by New York University
- Number of NSF funding opportunities offered – about 210
  - Same number of opportunities offered through Grants.gov for submission
  - Seven institutions participated in the Cayuse pilot, submitting to-date 38 applications directly to Research.gov
  - As a next step, the pilot will expand to all 97 Cayuse customers around late January through March 2011
Demo of Cayuse 424 and Electronic Submission via Research.gov
Questions?