

FRPS

Federal Research Profile System

Background: An FDP/RBM/SOSP partnership

- ▶ High researcher burden
 - Reduce reporting burden (FDP)
- ▶ Increasing cost pressures on agencies
 - Look for ways to automate reporting (RBM)
- ▶ Increasing reporting requirements
 - Look for better quality data in concert with scientific community (SOSP/STAR METRICS)

=> Create a Scientific Marketplace



Scientific Marketplace

- ▶ Exchange ideas
- ▶ Identify expertise
- ▶ Form communities of practices
- ▶ Create teams
- ▶ Support collaborations
- ▶ Facilitate industry/university/government partnerships

Vision

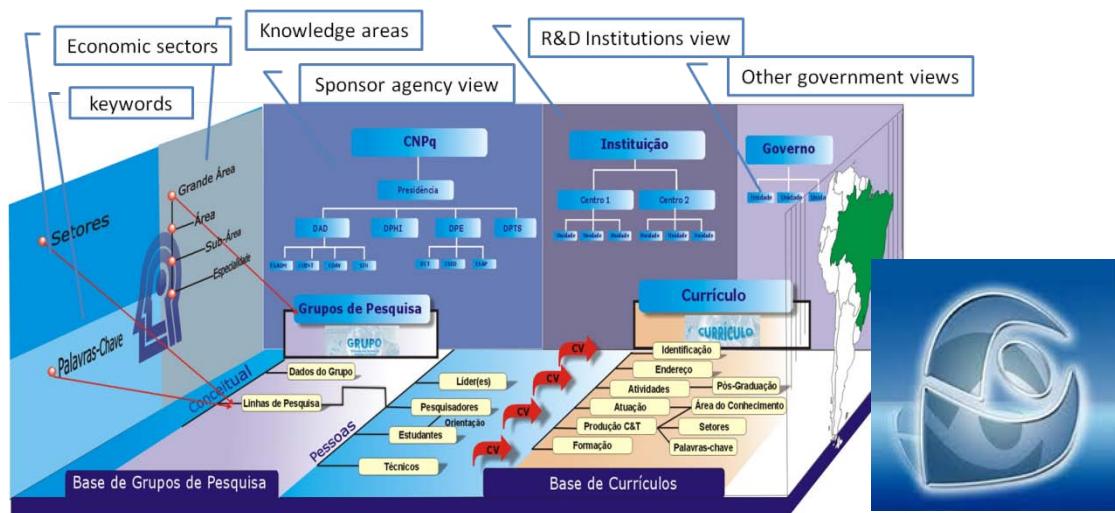
- Create a common platform for discovery about
 - researcher expertise,
 - employment and education, and
 - professional accomplishments.
- Use current technologies to extract data from federal and non-federal sources
- Streamline preparation of grant and contract applications,
- Advance understanding of the results of scientific investments.

Guiding Principles

:

- ▶ Any researcher can participate in the system
- ▶ Selected data will be available to all federal agencies and the public
- ▶ Researchers will control which data elements the system makes publicly available
- ▶ Researchers will be able to augment and modify information that is auto-populated in the system

We are not starting from scratch



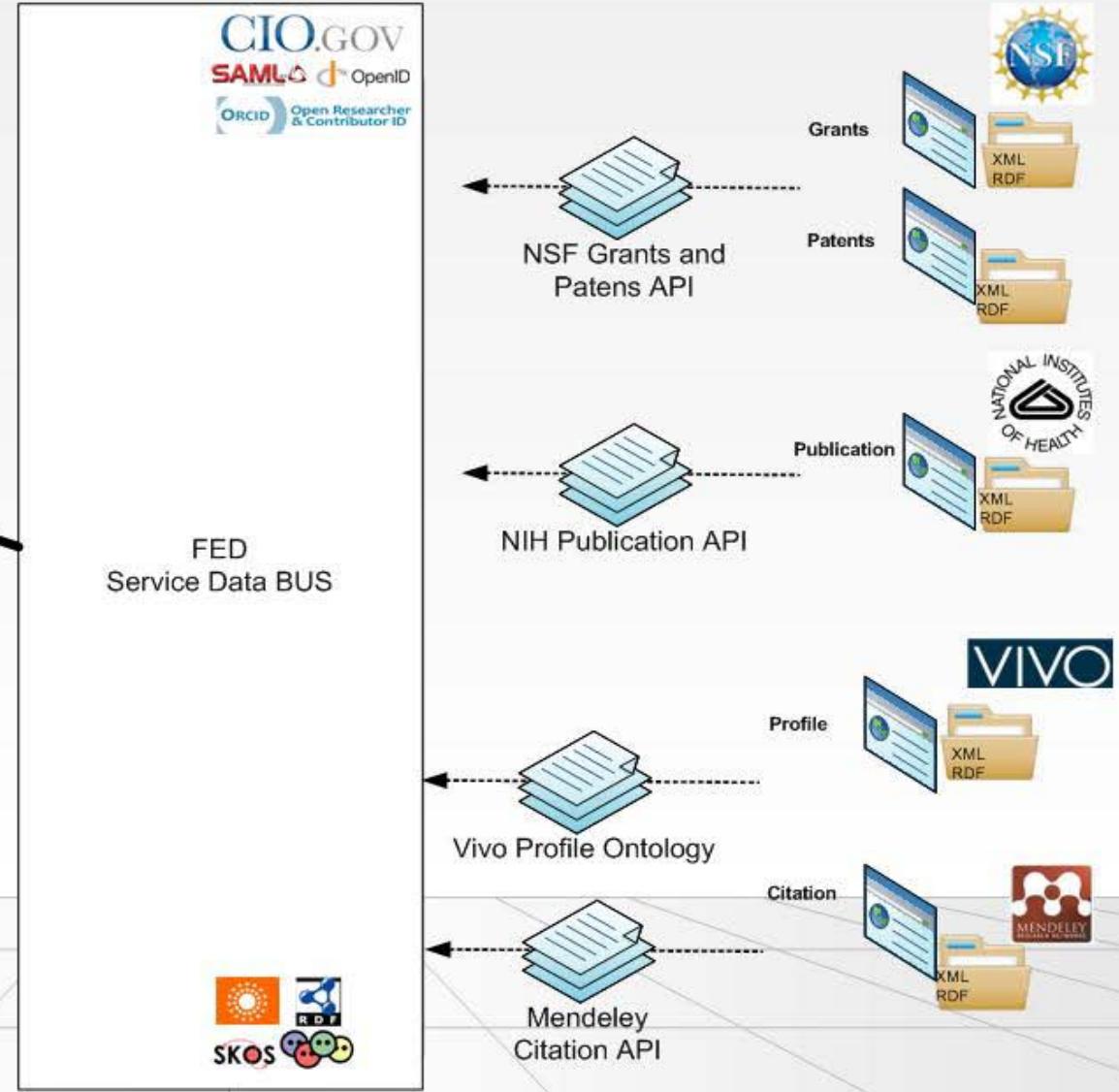
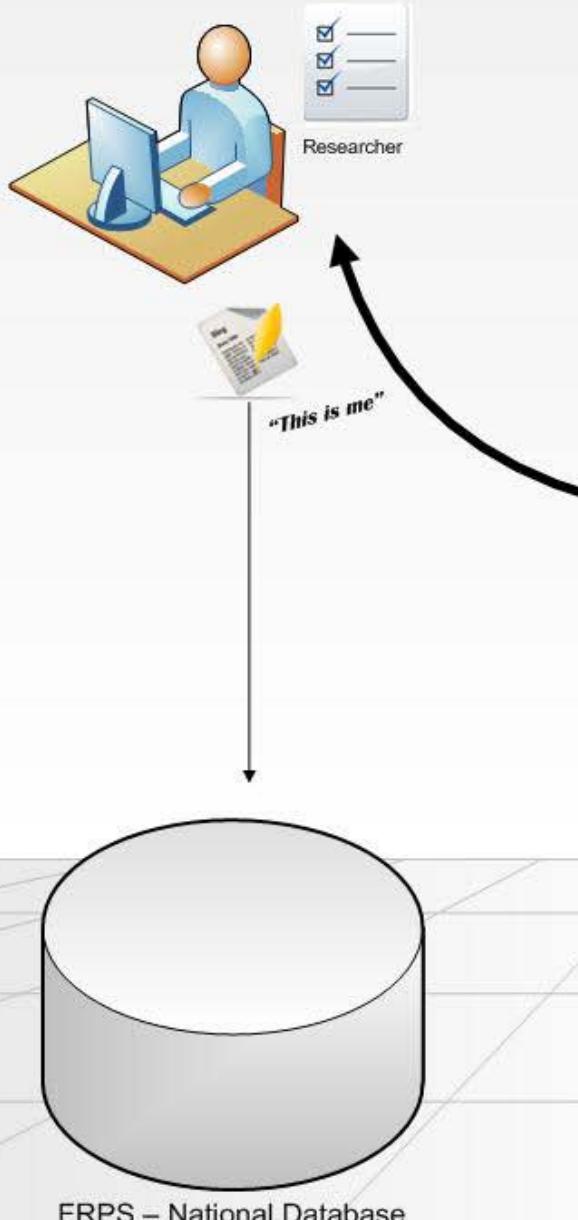
Our review of existing experiences with other countries suggest:

- Some evidence of burden reduction
- Existing best practices of how to provide value to researchers, Federal agencies and universities; and
- We can leverage lessons learned from existing systems

US FEDERAL RESEARCH PROFILE SYSTEM

STAR METRICS TECHNICAL MEETING

April 22-23 2011 Brazil-US Technical Meeting



Project Structure

- ▶ Two NSTC interagency groups – Research Business Models and Science of Science Policy
- ▶ Five agencies participating in working group: NIH, NSF, DOE, EPA, USDA
- ▶ Three subcommittees
 - Functional Architecture
 - Data elements
 - Communications



Goals of the Pilot

- ▶ Develop prototype platform
- ▶ Test a variety of existing tools and approaches
 - VIVO/OSU Pro/Harvard Profiles/Stanford CAPs
 - ORCID
 - Lattes...
- ▶ Demonstrate feasibility and utility to three constituencies:
 - Researchers
 - Science agencies
 - Institutions

Tasks

- ▶ Work with stakeholders to identify roles and responsibilities, information exchange needs, workflow and proposed value proposition
- ▶ Review and evaluate the key data elements and the source choices.
- ▶ Evaluate the fit of evolving local and global initiatives such as VIVO/HP, ORCID, and Mendeley.

How can FDP help with the pilot?

Help with requirements gathering

- ▶ Identify key participants within your community with subject matter expertise
 - Star researchers – across agencies
 - Young researchers (e.g. PECASE)
 - Data experts
 - Expertise in building these kinds of systems
 - VP for research
- ▶ Identify key stakeholders
- ▶ Identify participants in technical and design workshops
- ▶ Identify key issues and needs for pilot design and participation

Next Steps

- ▶ Develop website (September)
 - To gather input about
 - Technical issues
 - Data elements and sources
 - Value added for stakeholders
 - Disseminate information
 - Interact with invited researchers
 - Develop FAQs
- ▶ Interact with federal environment (throughout)
 - Policy
 - CIOs
 - OMB
- ▶ Prepare storyboards (October)
- ▶ Host participant workshop (November)
- ▶ Build out limited “living prototype” demonstration projects (December – February)