



SciENCv & ORCID

Federal Demonstration Partnership Meeting

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What is SciENCv?

- **Science Experts Network Curriculum Vitae**
 - Interagency working group co-sponsored by Research Business Models (RBM) and Science of Science Policy (SoSP) committees
 - Partnership with the FDP for pilot development
- The SciENCv **concept** is a Research Profiles Platform that will:
 - Reduce the reporting burden associated with applying for and maintaining grants and contracts from federal agencies
 - **Give the researcher a voice** in the documentation of results of scientific research
 - Add value to the STARMETRICS data infrastructure



SciENCv: Guiding principles

- System design to be driven by community needs
 - Business plan includes input from the community (FDP)
 - FDP survey closed December 9
 - Technical workshop in April 2011
 - Workshop with academic VPs for research (December 12, 2011)
 - Technical workshop (December 13, 2011)
 - FDP workshop (January 13, 2012)
- Create value for researchers, agencies and research institutions
- Researchers voluntarily participate
- Researchers control content and display
- Researchers validate, augment and modify information as needed

SciENCv: Long term goals

- Automated approach to a CV-like data platform to
 - Facilitate transactions with federal agencies and institutions
 - Facilitate collaboration among scientists
- Information auto-populated from existing resources
 - Institutional profile systems, social media, etc.
- Create disambiguated links between researchers and their scientific output
 - A critical element of STAR METRICS level 2 is attributing scientific contributions to their owners
 - **ORCID**
- Develop a Science Experts Network
 - Identify experts for collaborations, reviewing, etc.
 - Community of Practice

Changing the Conduct of Science in the Information Age

Summary Report of Workshop Held on November 12, 2010

National Science Foundation

June 28, 2011



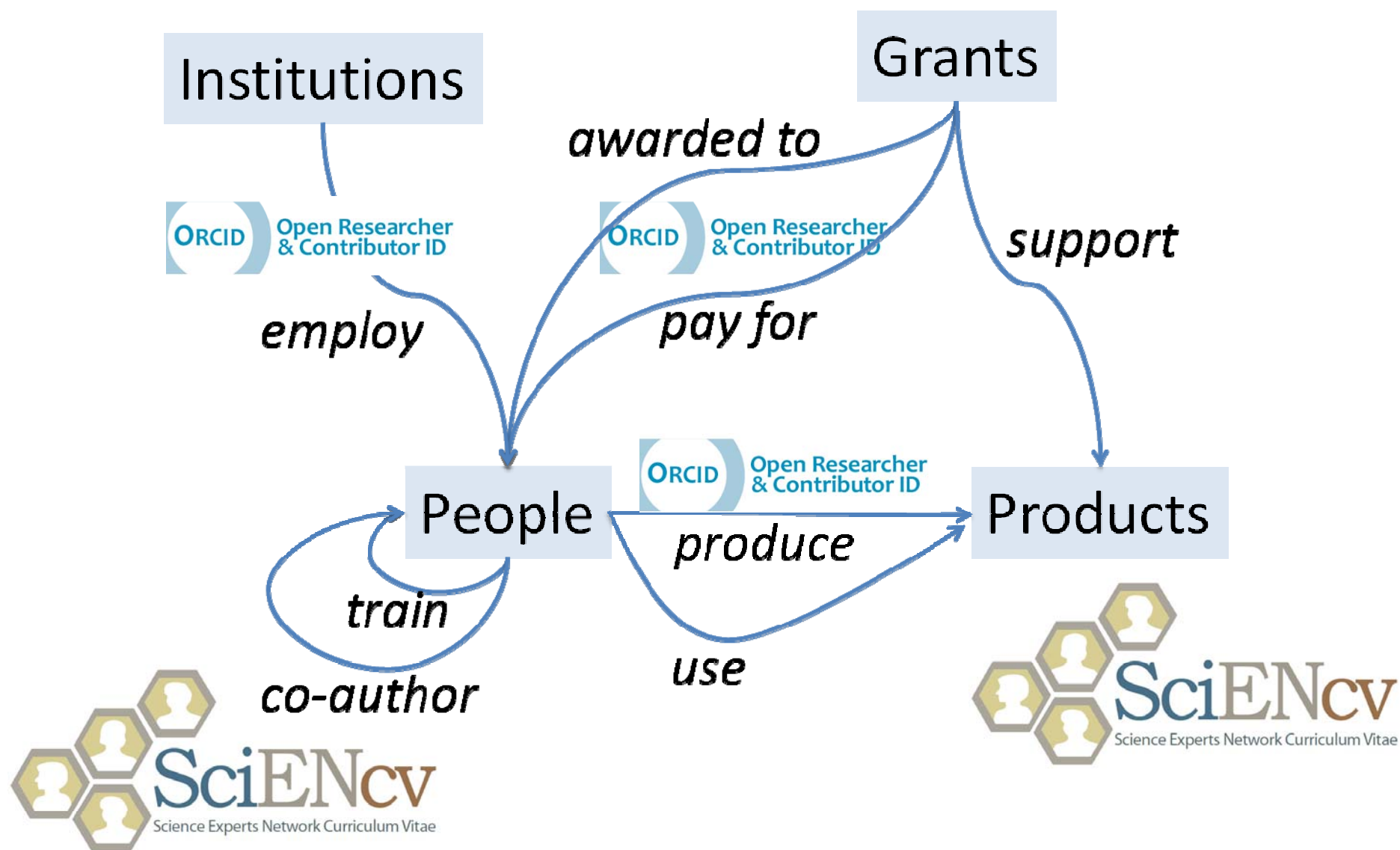
First Two Recommendations:

- Establish a system of persistent identifiers for researchers and their outputs
- Develop national and international pilot projects that compare different technical solutions for establishing and maintaining open data platforms, fostering the replication of scientific research, and ensuring attribution for the intellectual contributions of researchers

EAGER-ORCID: Investigating ORCID as an accelerator of science policy

- “High-risk, high-reward” award from NSF’s Science of Science and Innovation Policy program
- Ian Foster (PI, Chicago), Geoff Bilder (ORCID), Amy Brand (Harvard, ORCID)
- Pilot study to evaluate how ORCID works in practice
 - Can it inform and contribute to the development of a SciENCv platform?
 - Who should be engaged and how?

ORCID, SciENCv, and STAR METRICS



Source: Ian Foster University of Chicago

ORCID

- Will ORCID serve its intended technical purpose?
- Is the platform appropriately scalable?
- Will the user interface and ORCID's short-term benefits serve to effectively engage a scientific researcher community of practice?



EAGER-ORCID: Goal

Find out whether ORCID works in practice, and in particular whether it can prove beneficial to US funding agencies

EAGER-ORCID: Objectives

1. Refine the ORCID researcher identifier and profile system, which at this point exists as an advanced prototype, to the point where it can be used by larger numbers of researchers.
2. Deploy and operate the ORCID system in a form suitable for use by US researchers.
3. Work with a small number of US research institutions and the federal government to explore how this system works in practice when used to acquire and provide access to information about US researchers.



EAGER-ORCID: Preliminary Design

- Engage several communities within Harvard and U. Chicago
 - Currently using disparate semantic web-based profiles systems
- Data elements:
 - Current/past affiliations, roles, publications
- Develop and publish ORCID API:
 - <https://github.com/orcid> (data in and out)
- Self-claim profile system
 - Enable institutional seeding
- Third party data integration

Feedback from FDP Community

- Additional data elements/functionality
- Institution and researcher engagement strategies
 - How many institutions?
- Evaluation techniques for this pilot and future studies
 - Technical and social milestones
- How can ORCID best integrate with the SciENCv platform?

Additional Questions?



