



## Federal Demonstration Partnership Meeting

January 28, 2013

### **STAR Metrics: Data Consistency**

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**Federal Science Funding**  
**Data reported by regional campuses**

2011



Source: STAR Metrics – All Federal Science Jobs (Rolling 12 months thru 9/2011)  
Direct Jobs through Vendor, Subawards, Subcontracts, Institutional Support

**Federal Science Funding**  
**Data reported through main campus**

**Local Economic Impact**

for Purdue University  
Direct Jobs through Vendor, Subawards, Subcontracts, Institutional Support

2010



Source: STAR Metrics – Science Jobs (2010-04)

**All Extramural Funding**  
**Data reported by regional campuses**

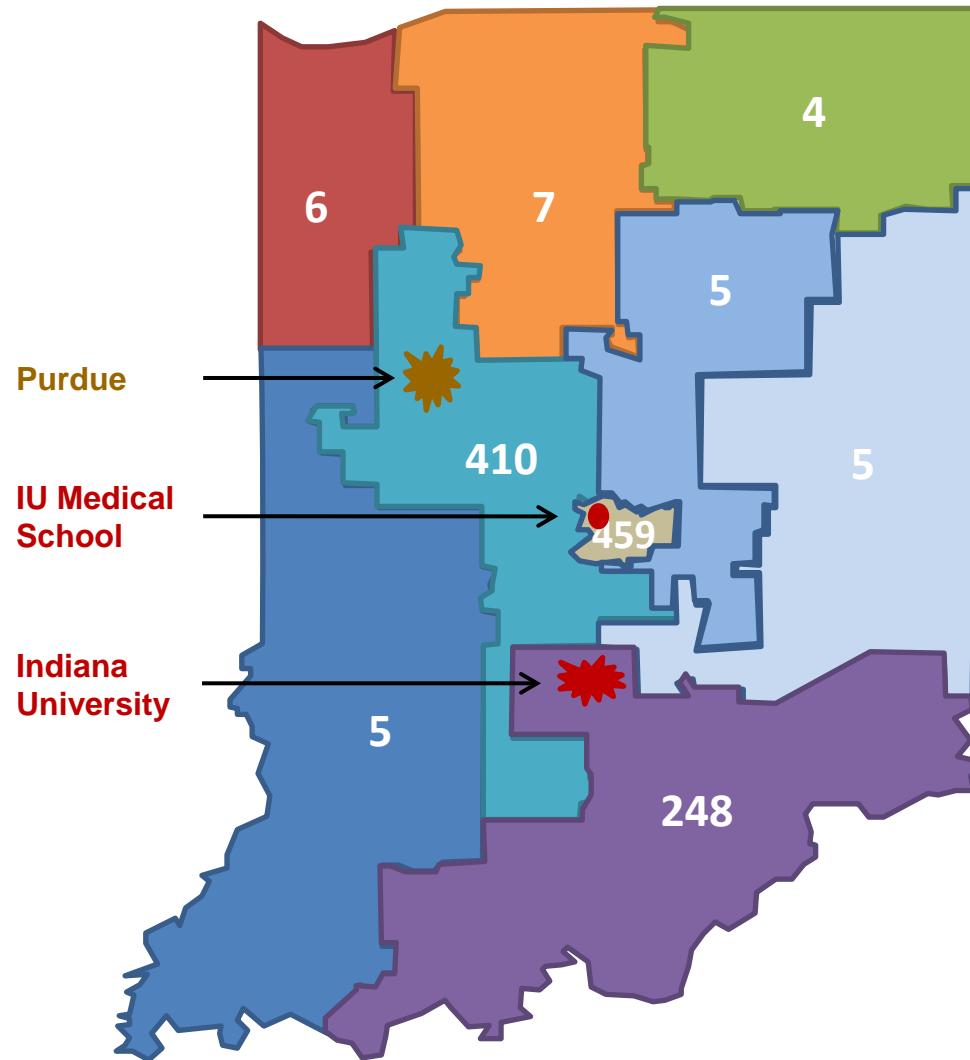
2012



Source: STAR Metrics – All Federal & Non-Federal Jobs (Rolling 12 months thru 3/2012)  
Direct Jobs through Vendor, Subawards, Subcontracts, Institutional Support

## Number of Jobs Created by All Science Funding in Indiana US Congressional Districts

Purdue University & Indiana University



## STAR Metrics: toward uniform job classifications

STAR Metrics Job Classification	Examples
Technician/Staff Scientist	Lab Tech/Animal Tech Engineers/Statisticians (Non-faculty) Research Scientists/Associates (Non-faculty) All Non-faculty PhD Level Scientists
Faculty	All Professorial Ranks (Tenure/Tenure track, Clinical, Research) Visiting Professors
Research Analyst/Coordinator	Research Analyst/Study Coordinator Research Associates
Post Graduate Researcher	Medical Residents/Interns/Fellows Post-doctoral Fellows
Undergraduates	All Undergraduates/Work Study
Graduate Students	Graduate Students/Medical Students
Clinicians	Non-faculty Healthcare Professionals Medical Technicians
Research Support	Regulatory: IBR Staff/Animal Admin Staff IT Staff Administrative Assistants/Secretaries Non-faculty Administrators Unknown/Unclear Job Classifications

## Draft List of Frequently Asked Questions

- 1) Where should clinicians who are faculty be placed?

*Many of our faculty are also physicians/dentists/audiologist, etc. Currently they are categorized as faculty. Would it be more consistent across institutions to categorize these staff as 'clinical'?*

- 2) Where should PhD level non-faculty (Research Scientists/Research Associates) be placed?
- 3) Where should Veterinary faculty and managers be placed?

*Currently they are categorized as Faculty and Research Support . Would it be more consistent across institutions to categorize these staff as 'Technical/Staff Scientist'?*

*Should all animal care/vet support be classified as 'Technical/Staff Scientist'?*

# Measuring the Results of Research Investments: Opportunities for CIC STAR METRICS Institutions

CIC: Committee on Institutional Cooperation (Big Ten + Univ. of Chicago)

Joint effort by University VPRs and Scholarly Researchers: March 29<sup>th</sup>, 2013

## **Goals**

Our goal is to inform the regional, national and international debate by developing open and transparent measures and methods to quantify scientific, economic and social impact that can be used and trusted by policy makers. In doing so, we will:

Rigorously describe the further results of research investments by:

- building on the STAR METRICS approach and Level I data;
- leveraging existing data, including text documents and administrative records;
- engaging the CIC research community; and
- getting funding support and the associated visibility from research foundations.

Provide leadership to other STAR METRICS institutions by:

- developing common theoretically and empirically sensible measures;
- providing open-source software and code that can be reused;
- producing templated reports of interest to common stakeholders; and
- creating an active and engaged community of practice with a common mission and focus.

Inform the regional, national and international debate by:

- developing open and transparent measures of scientific, economic and social impact that can be trusted
- providing tools for institutions to benchmark performance with more scientific validity.