

What is STAR METRICS?

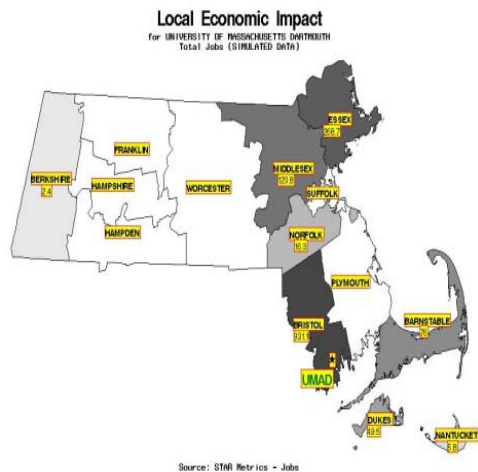
STAR METRICS - Science and Technology for America's Reinvestment: Measuring the Effect of Research on Innovation, Competitiveness and Science - is a multi-agency venture led by the National Institutes of Health, the National Science Foundation (NSF) and the White House Office of Science and Technology Policy (OSTP). STAR METRICS will help the federal government and recipients of federal funding document the value of their investments in research and development to a degree not previously possible.

"It is essential to document with solid evidence the returns our Nation is obtaining from its investment in research and development. STAR METRICS is an important element of doing just that."

John P. Holdren, assistant to the President for science and technology and director of the White House Office of Science and Technology Policy, June 1, 2010.

<http://www.whitehouse.gov/sites/default/files/microsites/ostp/STAR%20METRICS%20FINAL.pdf>

Keeping it Simple – the approach for data gathering from an institutional participant



What data are needed?

- The awards received by the institution
- Award related expenditures (directly charged time, subcontracts, vendors, overhead)
- No personally identifiable information

What data format is required?

- Four files with 14 raw data elements in csv or xml format

Who is involved with this effort

A memorandum of understanding has been signed by the National Science Foundation (NSF), the National Institutes of Health (NIH), and the Office of Science & Technology Policy (OSTP), acting through its Committee on Science, a committee of the National Science and Technology Council. Additional federal agencies are in the process of joining the Consortium.

The Federal Demonstration Partnership Institutions (FDP) has created a Working Group to facilitate the input of leading universities. More information is available at

http://sites.nationalacademies.org/PGA/fdp/PGA_057189

What will a participating institution receive? For Phase I

- Summary data analysis
- Tabulated Job creation reports
- Regional and National Job Impact maps

What's involved in Phase II?

- Participation in stakeholder meetings at the national and regional level
- Input into data decisions and development of Phase II reports.

FTE Equivalents

FTE Jobs and Positions

Funding Source	Total	% Chg from prior period	Faculty	% Chg from prior period	Undergrad Student	% Chg from prior period	Admin	% Chg from prior period	Post Grad	% Chg from prior period	Grad Student	% Chg from prior period	Technical Support	% Chg from prior period
Federal Non-Science	529	9.3%	21.4	-24.5%	0.5	58.6%	26.0	37.4%	86.8	45.3%	154.0	29.0%	219.3	-8.8%
Federal Non-Science Stimulus	47	-17.6%	13.8	11.0%	1.5	20.4%	2.3	0.0%	3.3	16.8%	5.2	-57.4%	7.3	75.4%
Federal Science	1,203	13.6%	1.5	-50.0%	110.8	19.1%	3.8	-50.0%	325.2	18.2%	485.7	11.9%	274.4	12.5%
Federal Science Stimulus	195	48.2%	10.7	-100.0%	30.6	57.6%	-	-	49.3	62.2%	58.7	59.3%	34.7	23.8%
Other	22,344	1.8%	1,592.6	1.8%	401.7	751.8%	0.8	-50.0%	1,244.4	-1.8%	4,683.6	-4.5%	12,828.6	1.9%
Total	24,059	2.7%	1,597.5	1.6%	402.2	752.8%	1.1	-46.0%	1,709.0	4.5%	5,387.2	-2.2%	13,364.3	2.0%

Funding Source	Derived from available agency data or CFDA code
Current period (Positions Created / Retained)	The number of unique individuals who have applied time to the funding source awards during the reporting period
% Chg from prior period (Positions Created / Retained)	The percentage change in the number of positions from the prior reporting period - ((Current Period - Prior Period) / Prior Period)
FTE Equivalents	The sum of the proportion of time expended by each individual associated with awards in funding source during the reporting period
% Chg from prior period (FTE equivalents)	The percentage change in the number of FTE Equivalents from the prior reporting period - ((Current Period - Prior Period) / Prior Period)
Occupational Classification	Translation of the university occupational classifications into a standard set of classifications. A translation table is created per university.

Primary Class - (2847 patents)

514 (138) CARCINOGEN EFFECTING AND TREATING COMPOSITIONS
435 (258) CHEMISTRY MOLECULAR BIOLOGY AND MICROBIOLOGY
378 (238) X-RAY OR GAMMA RAY SYSTEMS OR DEVICES
808 (144) POLYMER LITHOGRAPHY ORGANISMS AND UNMODIFIED PARTS THEREOF
347 (133) INCREMENTAL PRINTING OF SYMBOLIC INFORMATION
538 (33) CHEMISTRY NATURAL RESINS OR DERIVATIVES POLYMERES OR PROTEINS
711 (37) ELECTRONIC COMPUTERS AND DIGITAL PROCESSING SYSTEMS MEMORY
738 (77) ELECTRONIC COMPUTERS AND DIGITAL PROCESSING SYSTEMS
375 (74) POLYMER OR DIGITAL COMMUNICATIONS
424 (75) CARCINOGEN EFFECTING AND TREATING COMPOSITIONS

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Top Assignees - (1822 inventors)

1. UNIVERSITY OF CALIFORNIA RESEARCH FOUNDATION
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3. UNIVERSITY OF CALIFORNIA RESEARCH FOUNDATION
4. UNIVERSITY OF CALIFORNIA RESEARCH FOUNDATION
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19. UNIVERSITY OF CALIFORNIA RESEARCH FOUNDATION
20. UNIVERSITY OF CALIFORNIA RESEARCH FOUNDATION

Participation in STAR METRICS

- Review the information at <http://starmetricscmp.synthosys.com/>.
- Contact the STAR METRICS team at star-metrics-prototype@od.nih.gov.
- Sign and send the STAR METRICS participation agreement.
- Transmit files via secure email or secure data upload.
- You can join Phase I at any time; however, Phase I membership is required to participate in Phase II.