Challenges and Opportunities in "Big Data"

Researchers in a growing number of fields are generating extremely large and complicated data sets, commonly referred to as "big data." A wealth of information may be found within these sets, with enormous potential to shed light on some of the toughest and most pressing challenges facing the nation. To capitalize on this unprecedented opportunity—to extract insights, discover new patterns and make new connections across disciplines—we need better tools to access, store, search, visualize, and analyze these data.

Please join us for a webcast to learn about several new federal efforts relating to big data, and for a panel discussion with leaders from academia and industry focused on the opportunities for this important challenge.

WHEN: March 29, 2012, from 2:00 pm to 3:30 pm ET

WHO:

John Holdren, Assistant to the President and Director, White House Office of Science and Technology Policy

Subra Suresh, Director, National Science Foundation

Francis Collins, Director, National Institutes of Health

Marcia McNutt, Director, United States Geological Survey

William Brinkman, Director, Department of Energy Office of Science

Zach Lemnios, Assistant Secretary of Defense for Research & Engineering, Department of Defense

Kaigham "Ken" Gabriel, Deputy Director, Defense Advanced Research Projects Agency

And, a panel of thought leaders from academia and industry, moderated by **Steve Lohr** of the *New York Times*. Panelists include:

Daphne Koller, Stanford University (machine learning and applications in biology and education)

James Manyika, McKinsey & Company (Co-author of major McKinsey report on Big Data)

Lucila Ohno-Machado, UC San Diego (NIH's "Integrating Data for Analysis, Anonymization, and Sharing" initiative)

Alex Szalay, Johns Hopkins University (Big Data for astronomy)

Join via webcast at http://live.science360.gov/bigdata/