

**Moving Toward Quantitative
Evidence-based Science
Policy: Science of Science
Policy Developmental Efforts
In Theory, Evaluation
Methods, and Data
Infrastructure**

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for the American Evaluation Association

An interagency
collaboration (16
agencies or offices)
with three guiding
themes and ten key
questions



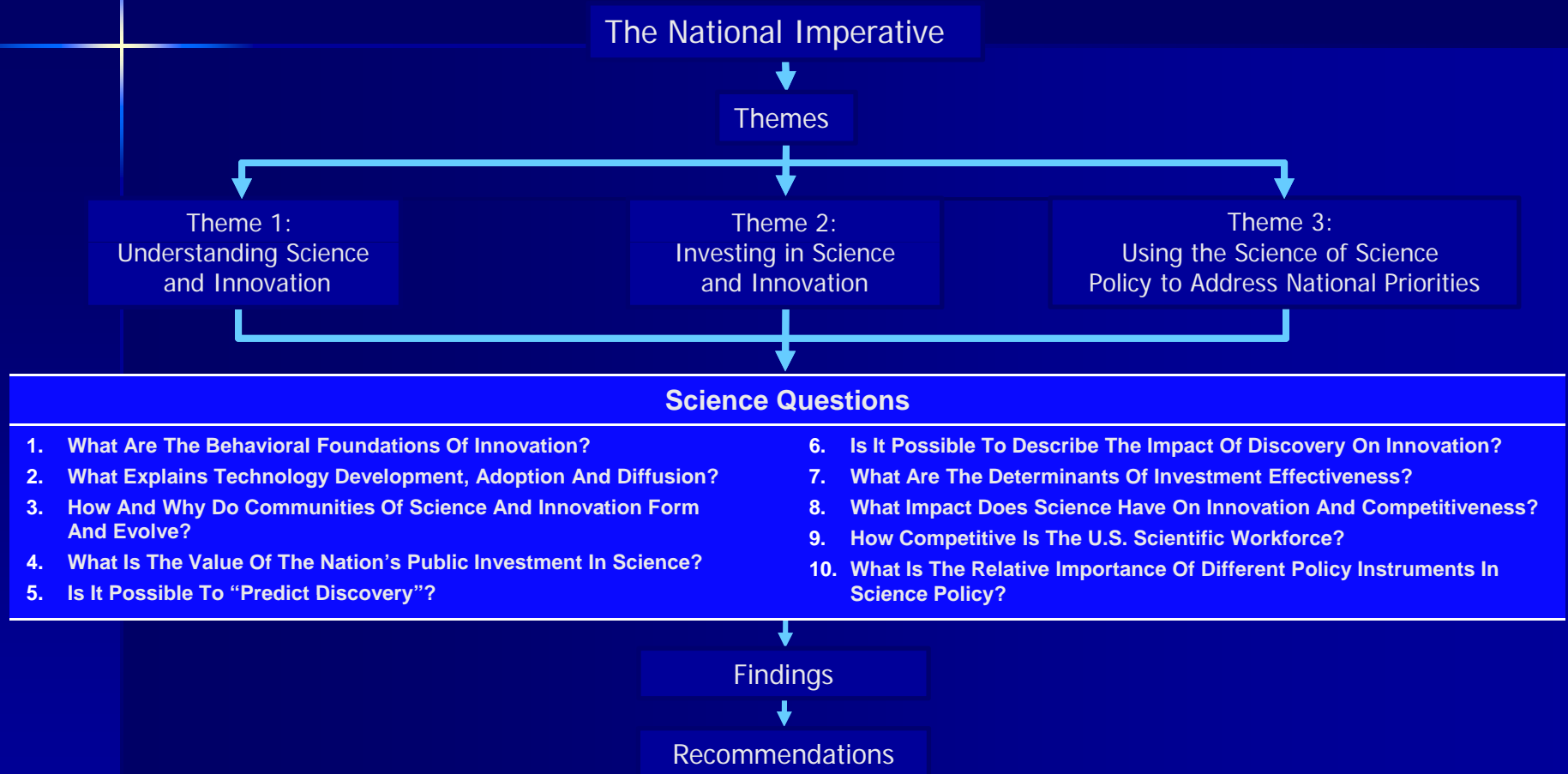
THE SCIENCE OF SCIENCE POLICY: A FEDERAL RESEARCH ROADMAP

REPORT ON THE SCIENCE OF SCIENCE POLICY TO THE
SUBCOMMITTEE ON SOCIAL, BEHAVIORAL AND ECONOMIC SCIENCES
COMMITTEE ON SCIENCE
NATIONAL SCIENCE AND TECHNOLOGY COUNCIL
OFFICE OF SCIENCE AND TECHNOLOGY POLICY

NOVEMBER 2008



The SOSP Roadmap



Science of Science Policy in the Obama Administration

- There is a new charter for the Interagency Task Group to carry through the SoSP roadmap.
- Science and technology are high priorities in the ARRA, the 2010 Budget, and in planning for the 2011 budget.
- Openness and transparency are high priorities: data.gov, open.gov and recovery.gov are examples.
- Evidence-based policy and evaluation are also priorities: OMB Director Orszag has issued numerous statements, including an October 7 Evaluation memo.
- Agencies are collaborating to build a new data infrastructure to be able to evaluate R&D investments (STAR pilot).

A Science of Science Policy Community website, with a new version coming soon

The screenshot shows a Windows Internet Explorer browser window displaying the Science of Science Policy website. The browser's address bar shows the URL: <http://scienceofsciencepolicy.net/rook/Default.aspx?AspxAutoDetectCookieSupport=1>. The website header includes the logo of the Office of Science and Technology Policy, Executive Office of the President, and the text "SCIENCE OF SCIENCE POLICY". Navigation links for Home, Site Map, and Contact Us are visible. A horizontal menu contains links for WHAT IS SOSP?, SOSP OVERVIEW, SOSP MATERIALS, SUPPORTERS, UPCOMING EVENTS, WIKI, and HELP DESK. On the left side, there is a "LOGIN HERE" section with a "User Name" and "Password" input field and a "Login" button. Below this, instructions for new and existing users are provided. The main content area features a "WELCOME!" message and a paragraph explaining the "Science of Science Policy: A Federal Research Roadmap". Below the welcome message, there are three columns of information: "wiki Access" with links for "wiki Access", "Polling", and "Join the Listserv"; "Download SoSP Roadmap" with a "Participant Access Code" section and a "Step 1" and "Step 2" registration process; and "wiki" with a "Welcome to Science of Science Policy wiki" message and a paragraph about the Roadmap. The browser's taskbar at the bottom shows several open applications, including Microsoft Outlook, Microsoft Word, Microsoft Excel, Adobe Acrobat, and the Science of Science Policy website.

See scienceofsciencepolicy.net

OMB / OSTP "R&D Priorities Memo" for FY 2011
Budget (see www.ostp.gov)


THE WHITE HOUSE


WASHINGTON

August 4, 2009

M-09-27

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM: Peter R. Orszag 
Director, Office of Management and Budget

John P. Holdren 
Director, Office of Science and Technology Policy

SUBJECT: Science and Technology Priorities for the FY 2011 Budget

Scientific discovery and technological innovation are major engines of increasing productivity and are indispensable for promoting economic growth, safeguarding the environment, improving the health of the population and safeguarding our national security in the

OMB / OSTP "R&D Priorities Memo" for FY 2011 Budget

- "Agencies should describe the expected outcomes from their research in relation to... practical challenges and cross-cutting areas, providing quantitative metrics where possible."
- "Federal agencies... should develop datasets to better document Federal science and technology investments and to make these data open to the public in accessible, useful formats."
- "Agencies should develop outcome-oriented goals for their science and technology activities, establish procedures and timelines for evaluating the performance of these activities..."
- "Agencies should develop 'science of science policy' tools that can improve management of their [R&D] portfolios and better assess the impact of their [S&T] investments."

Next Steps

Feedback from the December 2008 Workshop shaped a set of interagency research priorities addressing the scientific challenges confronting the unique science policy analysis needs of Federal agencies: Developing a Data Infrastructure for Science and Innovation Policy; Modeling; Creating an Innovation Framework; Informing and Assessing R&D Investments (workshop in October 2009); and Conducting Outreach to Underrepresented Populations.

The next workshop in 2010 will be for NSF Science of Science & Innovation Policy (SciSIP) Grantees: Presentations and Findings from the current Pis; Keynotes and discussions from practitioner community