National Science Foundation Technology Innovation Partnership Evaluation Study

Background: The National Science Foundation (NSF) is an independent federal agency established in 1950 by Congress "to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense." NSF supports research and the fields of fundamental science and engineering, except for medical sciences, and helps the United States drive leading discoveries. In March 2022, NSF established the Directorate for Technology, Innovation and Partnerships (TIP). TIP was created to focus on significant challenges and opportunities across the entire science and engineering enterprise and to strengthen and scale the critical research that will drive future technologies and solutions.

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Project Description

The NSF requires an assessment of the organizational and management structure of the NSF's Directorate for Technology, Innovation and Partnerships. The Academy will

- Evaluate and make recommendations to efficiently and effectively implement the Directorate for Technology, Innovation, and Partnerships; and
- Evaluate and make recommendations to ensure coordination of the Directorate for Technology, Innovation, and Partnerships with other directorates and offices of the Foundation and other Federal agencies.

The Academy has appointed a five-member Panel of Fellows to oversee and guide this study. Information on the Panel of Fellows and Study Team is provided on the next page. A final report with findings and recommendations, and executive briefings on the report, will be completed by September 28, 2023.

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Panel of Fellows

Barry Bozeman (Panel Chair),* Director, Center of Organizational Research and Design, Arizona State University; Former Ander Crenshaw Chair, Department of Public Administration and Policy, University of Georgia; Regents' Professor of Public Policy, School of Public Policy and Director, Research Value Mapping Research Program, Georgia Institute of Technology; Director, Center for Technology and Information Policy, Maxwell School of Citizenship and Public Affairs and L.C. Smith College of Engineering, Syracuse University; Director, Doctoral Program in Public Administration, Maxwell School of Citizenship and Public Affairs, Syracuse University; Regents' Professor and Arizona Centennial Professor of Technology Policy and Public Management, School for Public Affairs, Arizona State University.

Janet Weiss,* Mary C. Bromage Collegiate Professor of Business and Professor of Public Policy, Gerald R. Ford School of Public Policy, University of Michigan, 1983, Present; Visiting Scholar, Trachtenberg School of Public Policy and Public Affairs, George Washington University, 2017, 2017; Visiting Professor, McCourt School of Public Policy, Georgetown University, 2015, 2016; Vice Provost for Academic Affairs, University of Michigan, 2005, 2015; Dean, Rackham Graduate School, University of Michigan, 2005, 2015; Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford, CA, 1994, 1995; Associate Professor, School of Organization and Management and Institution for Social and Policy Studies, Yale University, 1977, 1982; Scholar in Residence, Performance Improvement Council, GSA.

Randy Lyon,* Senior Advisor, Office of the Administrator, U.S. Small Business Administration, 2021, 2022; Chief Financial Officer & Director of Development, National Academy of Public Administration, 2015, 2021; Chief Financial Officer, First Responder Network Authority, 2013, 2015; Chief, Commerce Branch, U.S. Office of Management and Budget, U.S. Executive Office of the President, 1998, 2013; Senior Economist, Office of Economic Policy, U.S. Office of Management and Budget, U.S. Executive Office of the President, 1991, 1999; Adjunct Professor, McCourt School of Public Policy, Georgetown University, 1987, 1999; Assistant Director (and Senior Economist), Office of the Chief Economist, GAO, 1986, 1991.

Theresa Prado,* Director, Center for Technology in Government, University at Albany, State University of New York, 2009, Present; Professor, Rockefeller College, University at Albany, 2005, Present; Affiliate Faculty, Information Science, College of Emergency Preparedness, Homeland Security & Cybe, University at Albany, 2004, Present; Full Research Professor, Public Administration and Policy, University at Albany, 2012, Present; Senior Fellow, Center for Technology in Government, University at Albany, 2021, Present; Associate Vice President for Research, University at Albany, 2021, Present; Deputy Director, Center for Technology in Government, University at Albany, State University of New York, 2002, 2009; Project Director, Center for Technology in Government, University at Albany, State University of New Yor, 1998, 2002; Project Coordinator, Center for Technology in Government, University at Albany, State University of New York, 1994, 1998; Director, Academic Computing Services, Siena College, 1990, 1994; Assistant Director Academic Computing, Academic Computing Services, Union College, 1989, 1990; Coordinator of Academic Computing Services, Office of Computing Services, Union College, 1985, 1989; Technical Information Analyst, Office of Computing Services, Union College, 1982, 1985.

Nick Hart.* Chief Executive Officer, Data Coalition, 2019, 2020; Director, Evidence Project, Bipartisan Policy Center, 2017, 2019; Policy and Research Director, U.S. Commission on Evidence-Based Policymaking, 2016, 2017; Senior Program Examiner, Education, Income Maintenance, and Labor, White House Office of Management and Budget, 2012, 2017; Special Assistant, White House Office of Management and Budget, 2011, 2012; Program Examiner, Natural Resources, White House Office of Management and Budget, 2009, 2011; Economic Research Analyst, Indiana Business Research Center, 2007, 2008; President & CEO, Data Foundation, 2019; Adjunct Faculty, Trachtenberg School, George Washington University, 2018; Fellow, Bipartisan Policy Center, 2019.

PROJECT STAFF

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