

Business Case: Capital Asset Summary

Part I: Summary Information and Justification (All Capital Assets)

Section A: Overview & General Information

Date Investment First Submitted: 2017-05-08
Date of Last Change to Activities: 2021-07-29
Investment Auto Submission Date:
Date of Last Investment Detail Update: 2021-04-29
Date of Last Business Case Update: 2021-04-29
Date of Last Revision: 2021-07-29

Agency: 422 - National Science Foundation **Bureau:** 00 - Agency-Wide Activity

1. Name of this Investment: Data Management and Delivery

2. Unique Investment Identifier (UII): 422-000000004

Section B: Investment Detail

- Provide at least one Agency Strategic objective code ([A-11 Section 230](#)) and/or Agency Priority Goal code ([A-11 Section 250](#)) that this investment aligns to on performance.gov. If this investment aligns to more than one Agency strategic objective code and/or Agency Priority goal code list all that apply. If your agency does not report to performance.gov please use "0". This is required for Agency IT Portfolio Summary Part 1 and Part 2 Investments, not for Part 3 Investments.**

Agency Strategic Objective(s):

422SO18171: Processes and Operations: Continually improve agency operations

Agency Priority Goal(s):

- Briefly describe the investment's return on investment, including benefits internal and external to the government and outcomes achieved or planned.**
NSF's initial investment of \$4 million to stand up and populate an enterprise data warehouse, centralized a platform for data access, management and delivery, resulting in direct and meaningful benefit for internal staff by providing broad access to authoritative data and "canned" reporting. Prior to the investment in a central data warehouse, data marts were being leveraged for use by several individual organizations with the Agency, at roughly equivalent cost to NSF's initial enterprise investment. These organizations could not access each other's data and only had access to data they wished to leverage. Continuation of this investment has proven key to meeting NSF's strategic priorities related to data-based decision-making, and has enabled staff to more efficiently conduct work in support of NSF's mission. For example, access to central, authoritative data helps NSF staff identify areas of science that may be underrepresented or that have gaps in terms of federal funding. NSF staff can use this data to create reports, which can help them manage or balance their research portfolios.