NSF Annual Report Questions

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# Accomplishments

## Accomplishments - What was done? What was learned? – 8000 characters

## **What was accomplished under these goals (you must provide information for at least one of the 4 categories below)?**

### Major Activities

### Specific Objectives

### Significant Results

### Key outcomes or Other achievements

## What opportunities for training and professional development has the project provided

# Products

## [List of publications]

# Participants/Organizations

## [List of individuals]

## [List of organizations]

## [List of collaborators or contacts]

# Impacts

****INSTRUCTIONS**** - This component will be used to describe ways in which the work, findings, and specific products of the project have had an impact during this reporting period. For NSF purposes, include, where appropriate, discussion of data resources and the acquisition of data skills. Include the emergence of new career paths, such as data scientists, or new disciplines.

## **What is the impact on the development of the principal discipline(s) of the project?**

## Describe how findings, results, techniques that were developed or extended, or other products from the project made an impact or are likely to make an impact on the base of knowledge, theory, and research and/or pedagogical methods in the principal disciplinary field(s) of the project.

## **What is the impact on other disciplines?**

## Describe how the findings, results, or techniques that were developed or improved, or other products from the project made an impact or are likely to make an impact on other disciplines.

## **What is the impact on the development of human resources?**

## Describe how the project made an impact or is likely to make an impact on human resource development in science, engineering, and technology.

## **What is the impact on physical resources that form infrastructure?**

## Describe ways, if any, in which the project made an impact, or is likely to make an impact, on physical resources that form infrastructure, Including physical resources such as facilities, laboratories, or instruments.

## **What is the impact on institutional resources that form infrastructure?**

## Describe ways, if any, in which the project made an impact, or is likely to make an impact, on institutional resources that form infrastructure,

## **What is the impact on information resources that form infrastructure?**

## Describe ways, if any, in which the project made an impact, or is likely to make an impact, on information resources that form infrastructure,

**What is the impact on technology transfer?**

Describe ways in which the project made an impact, or is likely to make an impact, on commercial technology or public use.

## **What is the impact on society beyond science and technology?**

## Describe how results from the project made an impact, or are likely to make an impact, beyond the bounds of science, engineering, and the academic world.

# Changes/Problems

**INSTRUCTIONS -** The PI is reminded that the grantee is required to obtain prior written approval from the awarding agency grants official whenever there are significant changes in the project or its direction. See agency specific instructions for submission of these requests.

## **Changes in approach and reasons for change**

## **Actual or Anticipated problems or delays and actions or plans to resolve them**

## **Changes that have significant impact on expenditures**

## **Significant changes in use or care of human subjects**

## **Significant changes in use or care of vertebrate animals**

## **Significant changes in use or care of biohazards**