Funded Research Records

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Workshop on Convergence in Biological Engineering

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Recommended Citation

Data Management Plan

1. Data and metadata collection

During the proposed project period, the participating researchers are expected to accumulate numerical, experimental and descriptive data. Such information, for example, will be obtained from models, simulation visualization images, instrumental data, and characterization data. Here, the term data includes all logged environmental data, laboratory output, electronically scanned field and lab notebooks, site photographs, numerical model output and its associated computer code.

The participating researchers on the project are regular contributors to various science and engineering journals in their respective fields. They will collaborate to disseminate and publish observations and data generated from the proposed project. Further, the participating researchers on the project have been and will continue to be active contributors to various conferences in their respective fields, both as organizers and participants. Through these conferences, the participating researchers will share the results of the proposed project with their respective communities through conference papers and presentations.

For simulation results, data will be archived on the Box drive at Utah State University for at least three years beyond the end of the grant period. The storage drive has over 50 Tb of available disk space for this purpose. Use of Box is provided by Utah State University and is reliably backed-up (both daily snapshots and weekly full backups) to prevent data loss.

For experimental data, the participating researchers at University of Arkansas will utilize the content management system "RazorVault" at the University of Arkansas to share project data in accordance with the Data Management Plan requirements.

2. Resources and facilities for post-grant period

Experimental data generated by the project will be archived for at least three years beyond the end of the grant period. At University of Arkansas, access to materials not containing sensitive data will be assigned publicly accessible security credentials within RazorVault. The public will be able to search these materials via a common web-based search interface. Access to materials containing sensitive information will require a request to the project coordinator for processing.

3. Policies for data sharing and public access

All data collected in this project will be made publically available following a meticulous quality-check and (maximum) 1-year wait period during publication. For the annual report we will conduct an accounting of all project data and its storage locations. We will plan for its publication and distribution. **Confidentiality, security, and intellectual property:** If we generate proprietary information or personally identifiable information during the course of our research, we will act to protect such data if it is generated or discovered in our project. Similarly, we will act to protect any information that may impact U.S. national, homeland, and economic

security, proprietary interests, business confidential information, intellectual property, and U.S. competitiveness, in consultation with USDA staff and our university research offices.

4. Roles and responsibilities of parties for data management, post-grant period.

The investigator team is committed to data curation for the post-grant period, and the team members will act as reciprocal contingency plans should one depart from the project. Home institutional, USDA, and other resources will be used to facilitate long-term and open access to these data and metadata.