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## Physics-informed Structure-Preserving Numerical Approximations of Thermodynamically Consistent Models for Non-equilibrium Phenomena

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## **Data Management Plan**

Over the course of the entire grant period, data files will be produced in the proposed projects. Algorithm and software development are performed at USU using the CHPC computational facilities (as explained in the facilities document).

All data files essential for publication and dissemination, including the post-processed analytics, graphics and movies will be stored using Dropbox services with secure cloud backups, and will be accessible to all team members.

The PI will share the results with other researchers in the community via his research websites, as well academic Github account. The PI will also plan posting movies to YouTube and other social media (such as Twitter, Instagram and Facebook) to broaden awareness to their research. The software developed during the course of research will be made available to the relevant science and engineering communities.

The PI will conform to NSF policies on the dissemination and sharing of the research data and materials created or gathered in the course of the proposed projects. The data acquired and preserved during the project will be further governed by the PI' institute policies pertaining to intellectual property, record retention, and data management.