

Welcome
to
NCAR HPC User Group
(NHUG)
Meeting
Apr 5 2022



Slido

- ❑ NHUG communication channels
- ❑ Derecho / Gust schedule, latest update – Irfan
- ❑ Computational Needs for Deep Learning
Prediction of Global Precipitation – Maria Molina
- ❑ Accelerating the particle tracking in hydrologic modeling to continental scale – Chen Yang
- ❑ All -- Open discussion

NHUG communication Channels



wiki



Slack



Slido

Derecho / Gust schedule, latest update

– Irfan Elahi

Computational Needs for Deep Learning Prediction of Global Precipitation

– Maria Molina

Maria is a Project Scientist based in the **Climate Change Research Section** of the **Climate and Global Dynamics Laboratory** at NCAR. She is the lead of the ASD proposal titled "**Deep Learning-based Large Ensemble for Subseasonal Prediction of Global Precipitation**," co-led with Katie Dagon. Maria is passionate about the inclusion of diverse voices in science and early career scientist issues, and serves on several community efforts to help find solutions for current and future scientists.

Accelerating the particle tracking in hydrologic modeling to continental scale

– Chen Yang

Chen is an associate research scholar in civil and environmental engineering at Princeton University

She sped **EcoSLIM**, a particle tracking code, on **CPU with OpenMP** to **distributed, multi-GPU platforms**. Now it can handle continental scale simulations.