



Workflows Community: An Update on the Community Roadmap for HPC and AI Scientific Workflows Research and Development

November 15, 2022 — 12:15pm-1:15pm CT — Room D2221

Dallas, TX, USA

<https://workflows.community/bof/sc22>

Session Organizers



Rafael Ferreira da Silva
Oak Ridge National Laboratory, USA



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University of Chicago, USA



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Barcelona Supercomputing Center, Spain



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LINKS Foundation Inc, Italy

Agenda

Lightning talks: Challenges, opportunities, new research directions, and future pathways

Overview of European initiatives focusing on the orchestration of HPC, AI, and Big data

Alberto Scionti, ACROSS/LINKS - Jorge Ejarque, eFlows4HPC/BSC

Adaptive multi-scale molecular simulations for studying complex biological phenomena

Arvind Ramanathan, ANL

Machine Learning Driven Dynamic workflows on Leadership Class Systems to Resolve Multiscale Phenomena

Timo Bremer, LLNL

Integrating Research Infrastructure to Accelerate Science

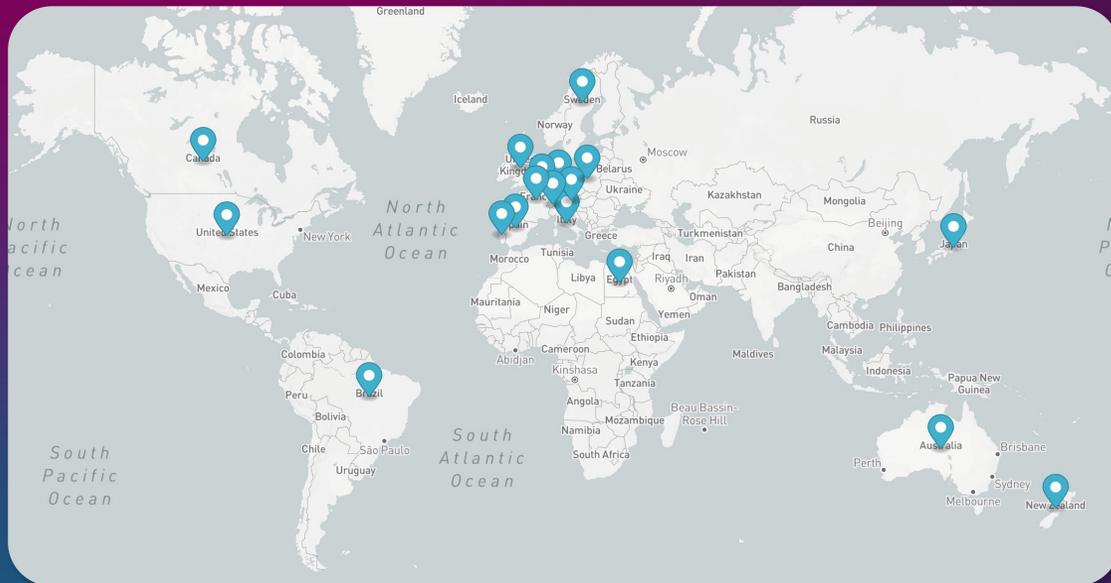
Ben Brown, DOE - Bill Miller, NSF



The goal of the Workflows Community Initiative (WCI) is to bring the workflows community together (users, developers, researchers, and facilities) to provide community resources and capabilities to enable scientists and workflow systems developers to discover software products, related efforts, events, technical reports, etc. and engage in community-wide efforts to tackle workflows grand challenges.

Workflows Community Summit 2022

**29 and 30
NOVEMBER**
virtual via Zoom



23 workflow systems

127 community members

5 working groups

4 research frameworks