

Workflows Community Initiative

*bringing the workflows community together:
users, developers, researchers, and facilities*

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Data Lifecycle & Scalable Workflows
National Center for Computational Sciences

ORNL is managed by UT-Battelle LLC for the US Department of Energy



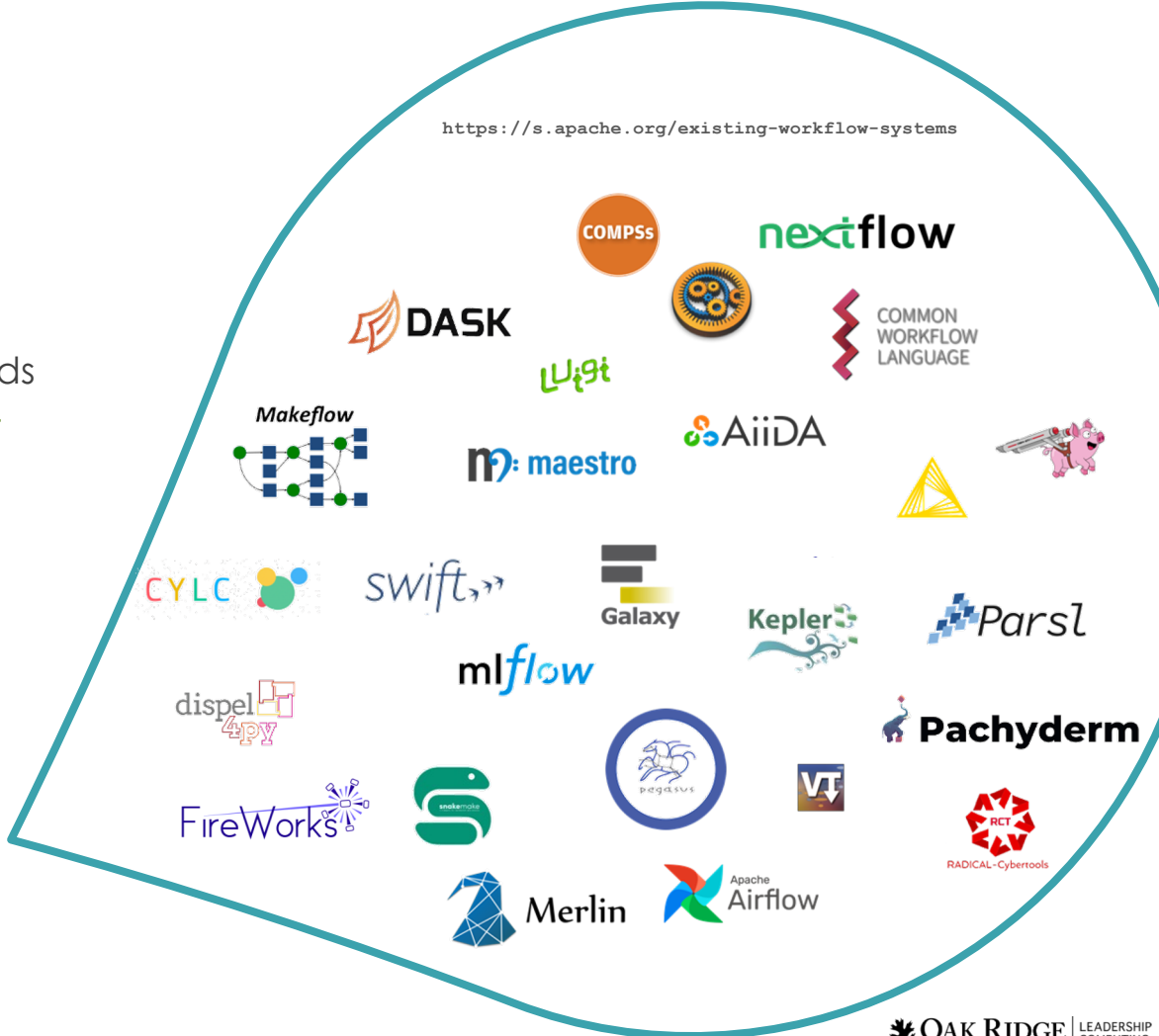
U.S. DEPARTMENT OF
ENERGY

Scientific Workflows

Many workflows have **high computational** and **I/O** demands that warrant execution on **large-scale** parallel and distributed computing platforms

The workflow systems landscape is segmented and presents significant **barriers to entry** due to the hundreds of seemingly comparable, yet **incompatible**, systems that exist

<https://s.apache.org/existing-workflow-systems>



Workflows Community Initiative

<https://workflows.community>

Provide a centralized source for
resources, training, workshops,
job opportunities, and news to
scientists and developers working
with workflows

managed by a nine-person leadership
team, a steering committee, and a
technical lead representing
25 companies and institutions from
around the world

22

workflow
systems

99

community
members

5

working
groups

4

research
frameworks



Workflows Community Summits

Over 100 participants from a group of international researchers and developers, from 27 workflow systems and user communities

A Community Roadmap for Scientific Workflows Research and Development

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arXiv:2110.02168

<https://doi.org/10.1109/WORKS54523.2021.00016>

