

#HPSFcon



HPSF
CONFERENCE 2025

Working Groups Introduction

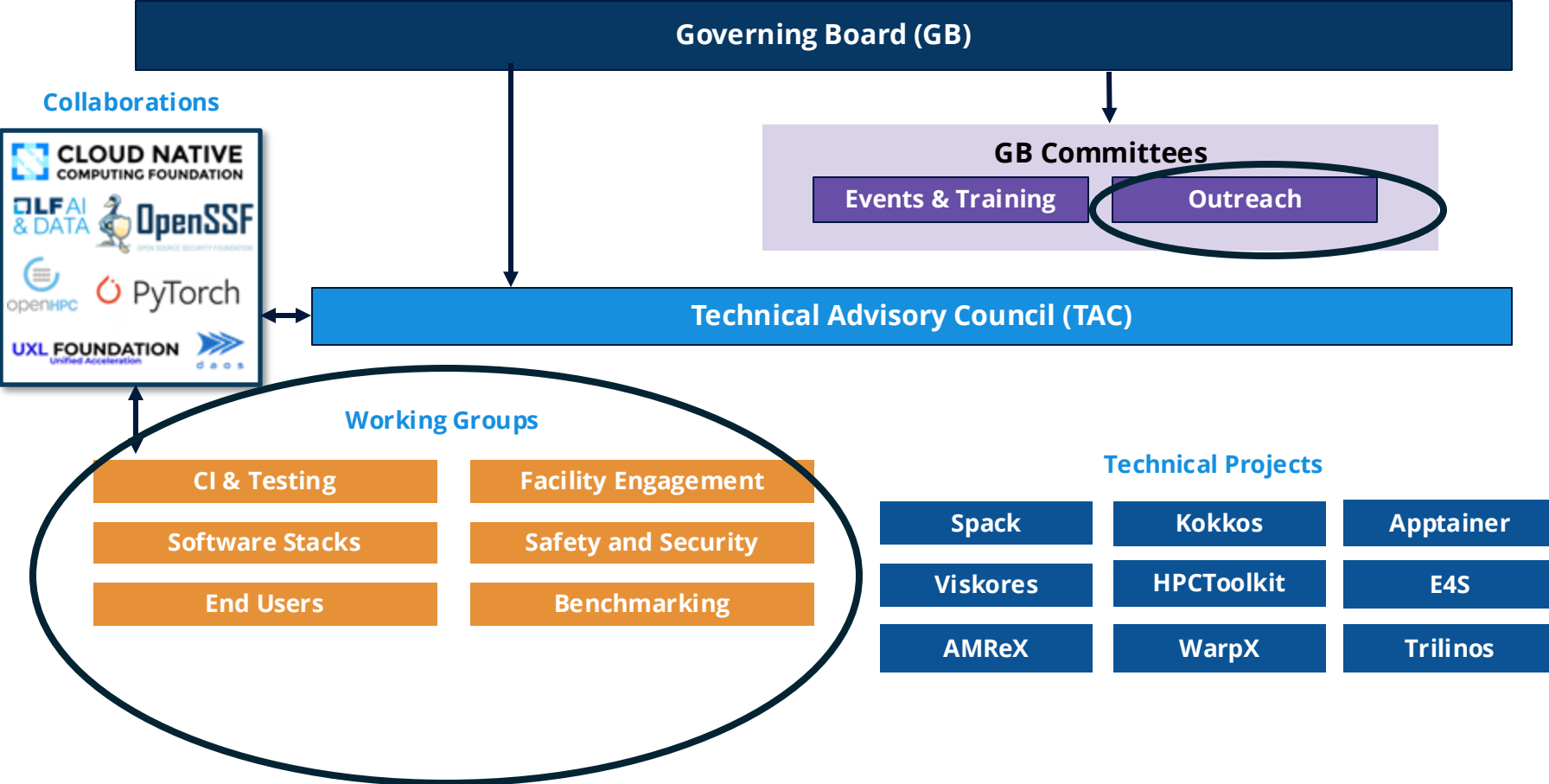
Driving Progress Through Focused Teams

5 May 2025

Damien Lebrun-Grandié
Oak Ridge National Laboratory

May 5-8, 2025 Chicago, IL

HPSF at Launch: Mobilizing Expertise Through Working Groups



CI/CD WG: Streamlining Development

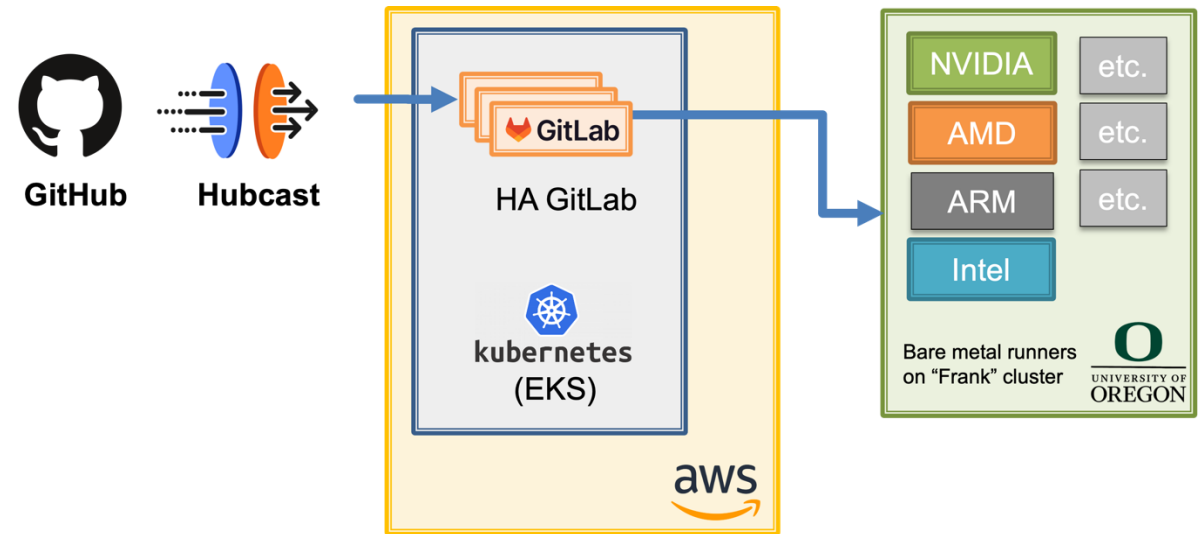
- **Motivations:**

- Core Need: Essential CI/CD tools for projects.
- Diverse Hardware: Access to GPUs & next-gen architectures (beyond standard).
- Filling a Gap: Addressing limited/costly options elsewhere.

- **Achievements:**

- Onboarded Projects: Kokkos, Viskores, HPCToolkit, ADIOS2, Spack*, (Soon: Catalyst, DIY, ParaView).

- **Community Support:** Bi-weekly meetings fostering best practices in CI/CD.



Leads: Alec Scott & Zack Galbreath
Breakout: SALON E

Benchmarking WG: Continuous Performance

Vision:

- Automated HPC software stack testing for functionality & performance.
- Community-driven.

Initial Objectives:

- Run benchmarks, curate open-source tests, sustainable execution.

Why?

- Centralize efforts, consistent testing, pool resources.

Future activities:

- Benchmark catalog, best practices, continuous testing (HPSF CI, HPC centers), collaboration.

Join Us! Seeking Expertise From:

- Vendors, Procurement, Developers, Researchers.

Continuous Benchmarking = Better HPC

Lead: Olga Pearce
Breakout: DES PLAINES RIVER

Outreach Committee: Amplifying Our Impact



Mission:

Drive community outreach to boost HPSF & Project visibility.



Goals for 2025:

Increase awareness & participation.

Develop key messaging & brand.

Promote first HPSF Conference.

Represent HPSF at industry events.



Highlights:

Launched new website (hpsf.io).

Established social media (LinkedIn, Bluesky).

Represented HPSF at SC'24 & FOSDEM'25.

Developing conference promotion & project support.

Get Involved!

- Help expand HPSF's reach & impact.
- All members welcome! Share your ideas
- Join our biweekly meetings (Thursdays noon ET).
- Connect on Slack (#outreach).

Lead: Jennifer Bly
Breakout: Salon F

Explore Further: Sessions on New Directions & Projects



Other Potential Future WGs

How much appetite is there for an Interoperability WG?

Interoperability takes more than just building and packaging

You have an idea about other WGs?
Come tell us about it

Lead: Damien L-G
Breakout: MISSISSIPPI RIVER 1&2

Prospective Projects

Is your project interested in joining HPSF?

Come ask about the requirements and onboarding process

Lead: Chris Clark
Breakout: SALON G

Don't miss the breakout sessions tomorrow!

2:00pm
CDT

Benchmarking Working Group Breakout - Led by Olga Pearce
DES PLAINES RIVER

CI Working Group Breakout - Led by Alec Scott & Zack Galbreath
SALON E

Interoperability Prospective Working Group Breakout - Led by Damien Lebrun-Grandie
MISSISSIPPI RIVER 1 & 2

Outreach Working Group Breakout - Led by Jennifer Bly, The Linux Foundation
SALON F

Prospective Projects Working Group Breakout - Led by Chris Clark
SALON G

3:00pm
CDT

Working Group Breakout Reports
CHICAGO RIVER BALLROOM A-D



HPSF

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MAY 5 - 8 | CHICAGO, IL

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