

easybuild

# 7th EasyBuild User Meeting (EUM'22)

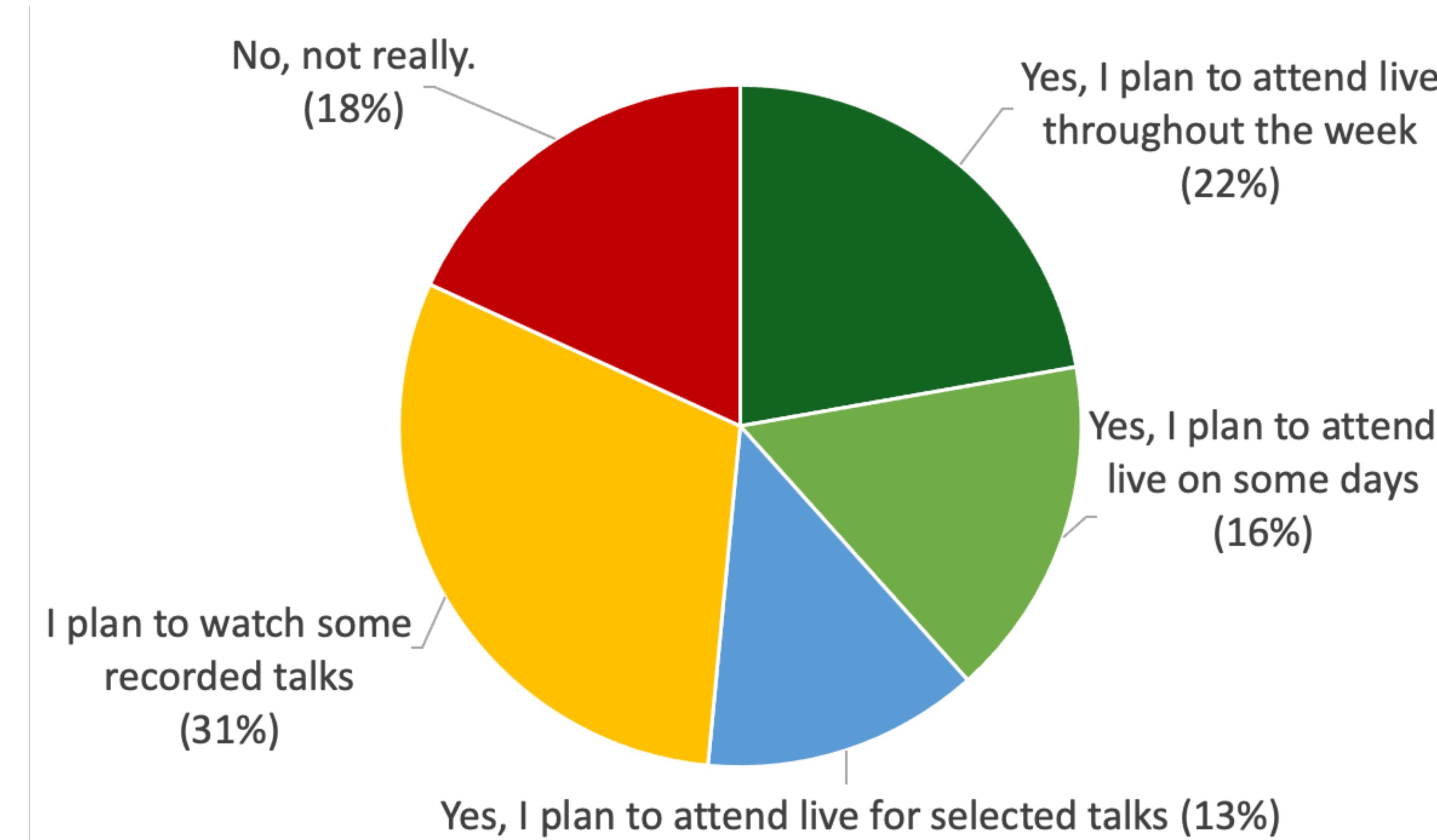
## Welcome

virtual - Jan 24-28 2022

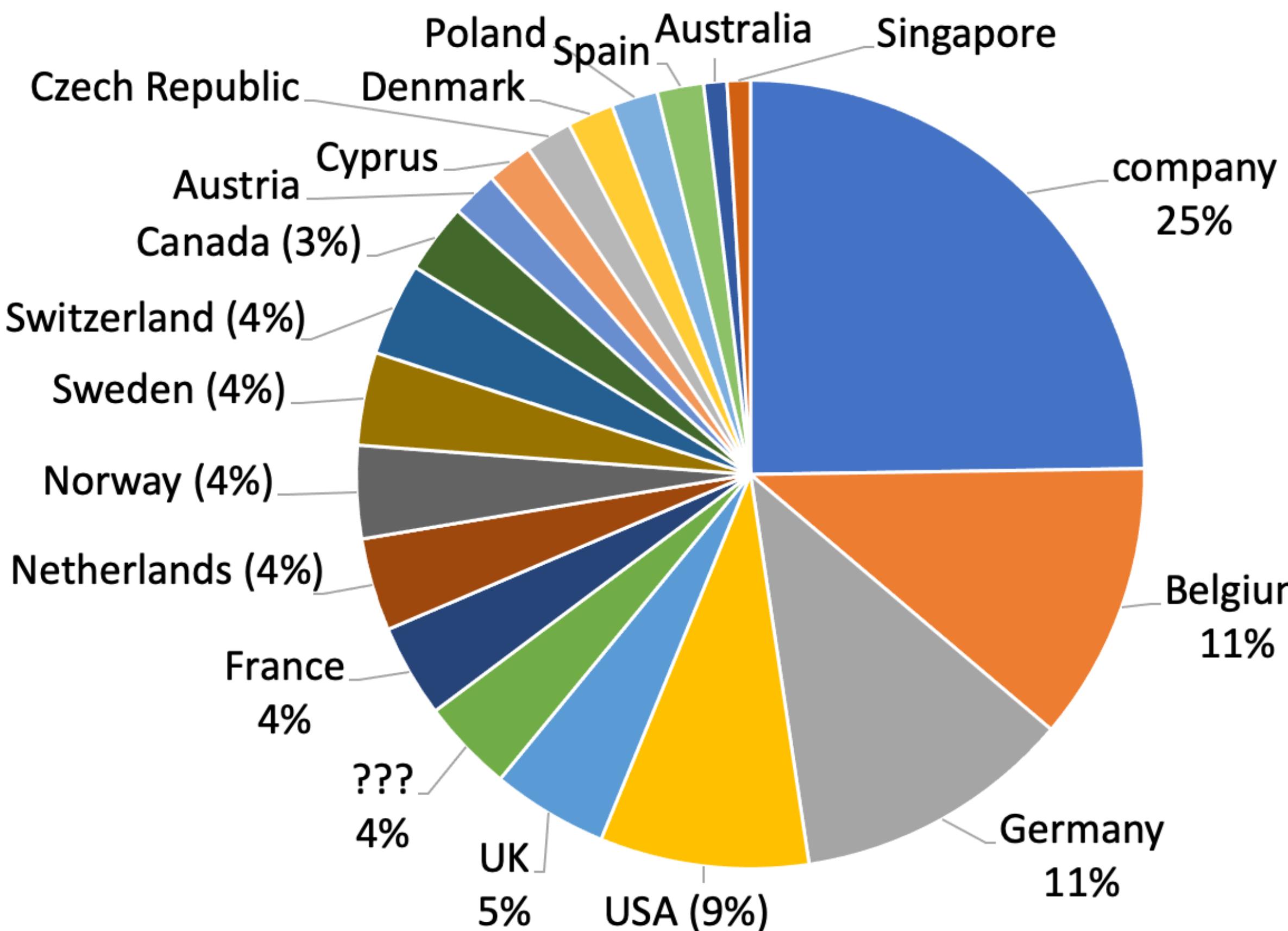
<https://easybuild.io/eum22>

# 5th EasyBuild User Survey

*Are you planning to attend the next EasyBuild User Meeting?*

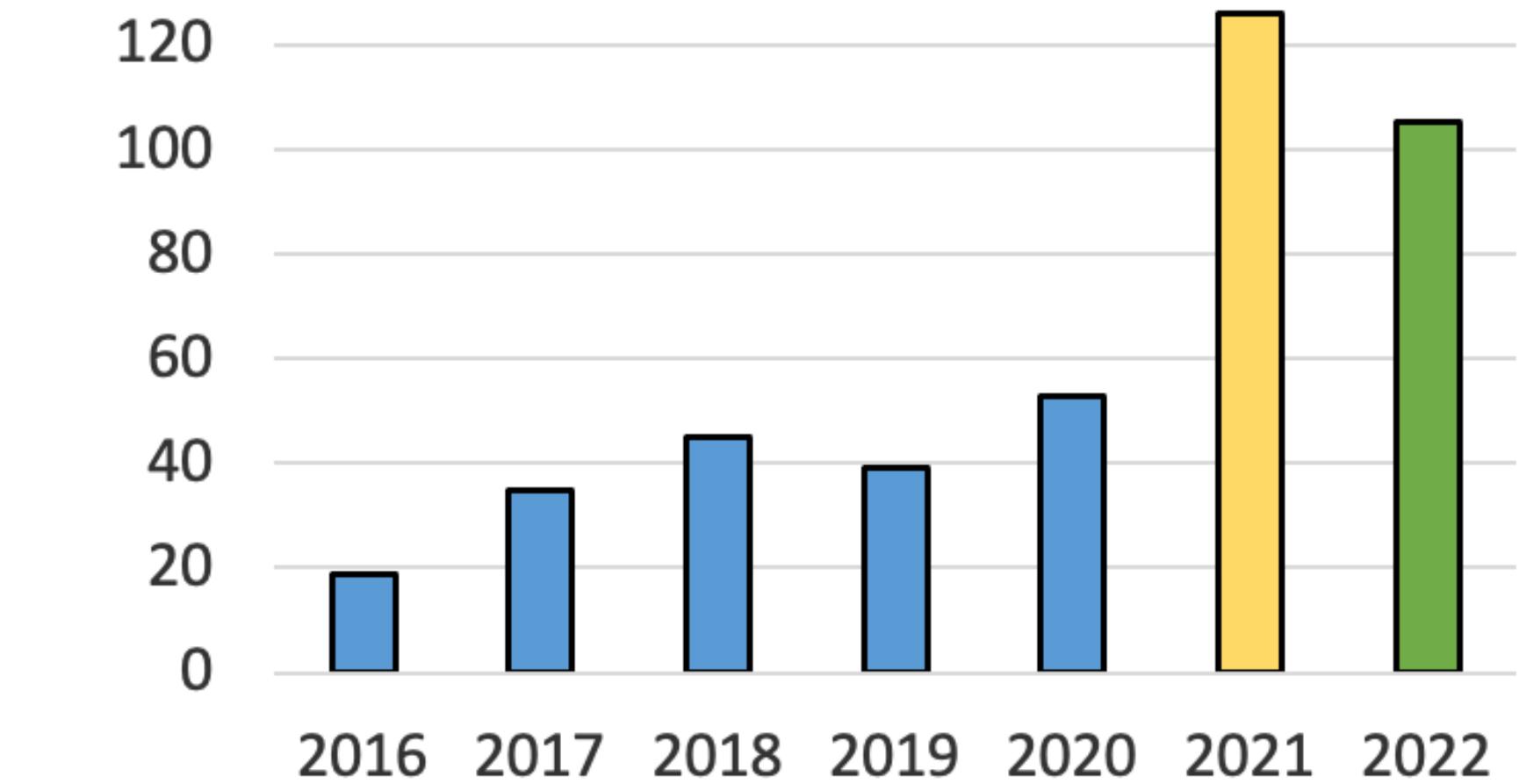


# 7th EasyBuild User Meeting: registrations



EUM'22 registrants by country

18 countries (4 continents) + several companies



- 2016: 19 (*HPC-UGent, Belgium*)
- 2017: 35 (*JSC, Germany*)
- 2018: 45 (*SurfSARA, Netherlands*)
- 2019: 39 (*CECI, Belgium*)
- 2020: 53 (*HPCNow!, Spain*)
- 2021: 125 (*virtual*)
- 2022: 105 (*virtual*)

# 7th EasyBuild User Meeting - Welcome!

<https://easybuild.io/eum>



2018 (Amsterdam, Netherlands)



2019 (Louvain, Belgium)



2020 (Barcelona, Spain)

# 7th EasyBuild User Meeting - Welcome!

<https://easybuild.io/eum>



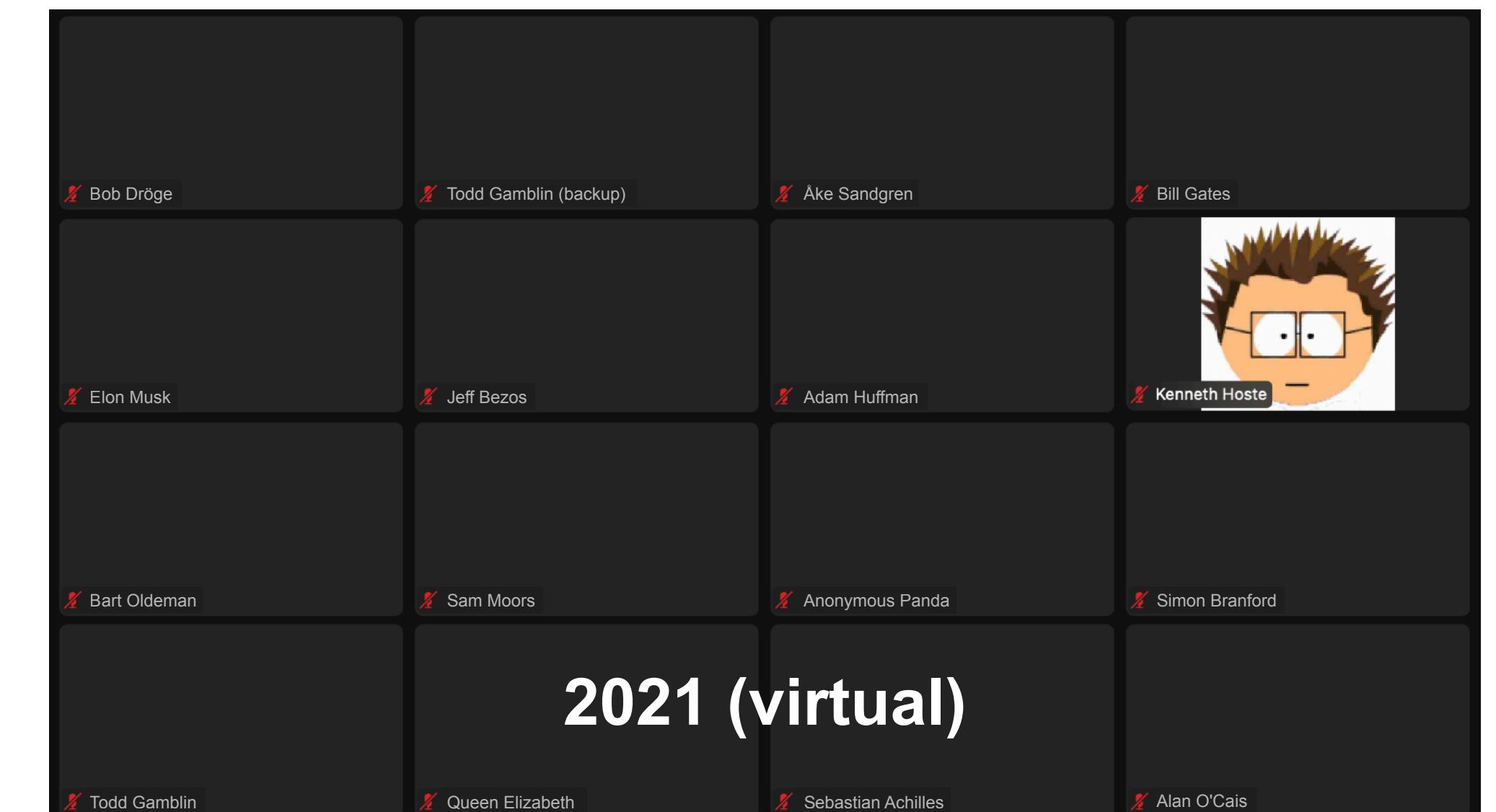
2018 (Amsterdam, Netherlands)



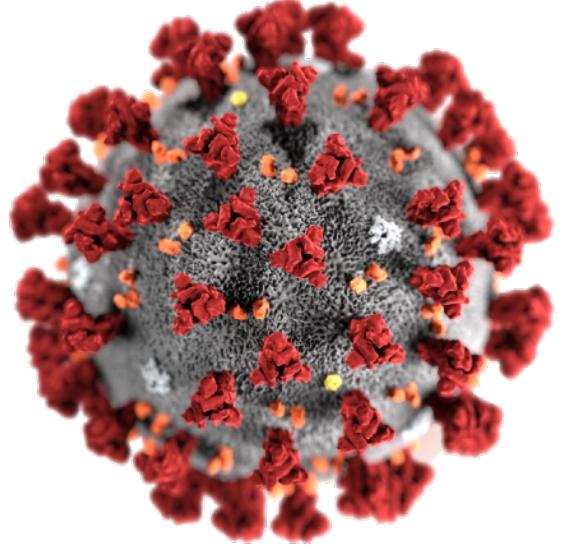
2019 (Louvain, Belgium)



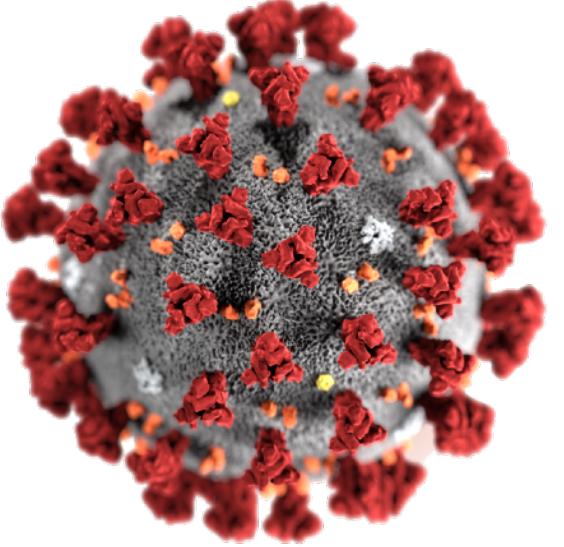
2020 (Barcelona, Spain)



2021 (virtual)



# Going (fully) virtual (again) at EUM'22



**zoom**

- Original plan was to organize next EUM in Sweden... Maybe in 2022 2023?
- All EUM'22 talks are held via Zoom
- **Zoom links were only sent to speakers and registered attendees!**
- If you didn't register but would like join a Zoom session, contact [eum@lists.ugent.be](mailto:eum@lists.ugent.be)
- **Many thanks to Simon (Univ. of Birmingham) for hosting the Zoom sessions!**

# Post-talk Q&A + informal discussion



- Registered attendees can ask questions live *after* each talk (microphone on)
- Attendees following via YouTube can raise questions via EasyBuild Slack
  - See #eum channel - **one question per message, use threads!**
  - **Join EasyBuild Slack via <https://easybuild.io/join-slack>**
- Informal discussion can continue via Zoom breakout room
  - Breakout rooms are *not* recorded/streamed, overlaps with next session
- **Many thanks to Alan (CECAM) and Åke (Umeå Univ.) for helping with moderating!**

# Live streaming & recording of all EUM'22 talks



- Live streaming of all talks via the **EasyBuild YouTube channel**  
<https://www.youtube.com/c/easybuilders>
- Talk recordings should be available there shortly after each talk
- Talks from all 6 previous EasyBuild User Meetings are also listed there, together with other talks on EasyBuild and related tools (see playlists)
- Join #eum channel in EasyBuild Slack for Q&A!
- **Many thanks to Alan O'Cais (CECAM) for the help with YouTube streaming!**

# 7th EasyBuild User Meeting - program

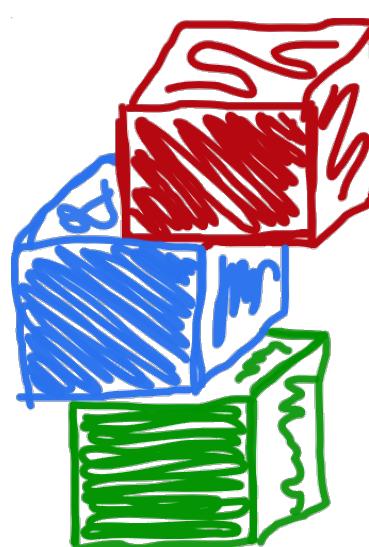
Mon 24 Jan 2022

<https://easybuild.io/eum22#program>



16:00 UTC

**EasyBuild on LUMI,  
a pre-exascale supercomputer**  
*Kurt Lust (LUMI User Support Team)*

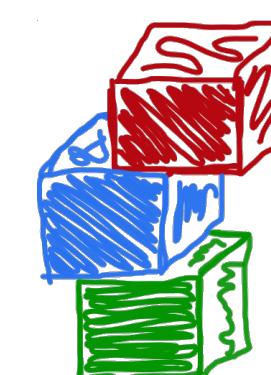


17:00 UTC  
**State of the Union**  
*Kenneth Hoste (HPC-UGent)*

# 7th EasyBuild User Meeting - program

Tue 25 Jan 2022

<https://easybuild.io/eum22#program>



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15:00 UTC

**Site presentations**

*CECAM, BSC Earth Sciences, INUITS*



CernVM-FS

16:00 UTC

**CernVM-FS with Singularity/Apptainer**

*Davy Dykstra (Fermilab)*

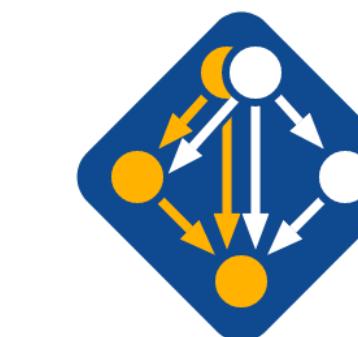


17:00 UTC

**From Singularity to Apptainer**

*Forrest Burt (Ctrl. IQ, Inc.)*

18:00 UTC



**Spack**

**The Spack 2022 Roadmap**

*Todd Gamblin (LLNL)*

# 7th EasyBuild User Meeting - program

Wed 26 Jan 2022

<https://easybuild.io/eum22#program>

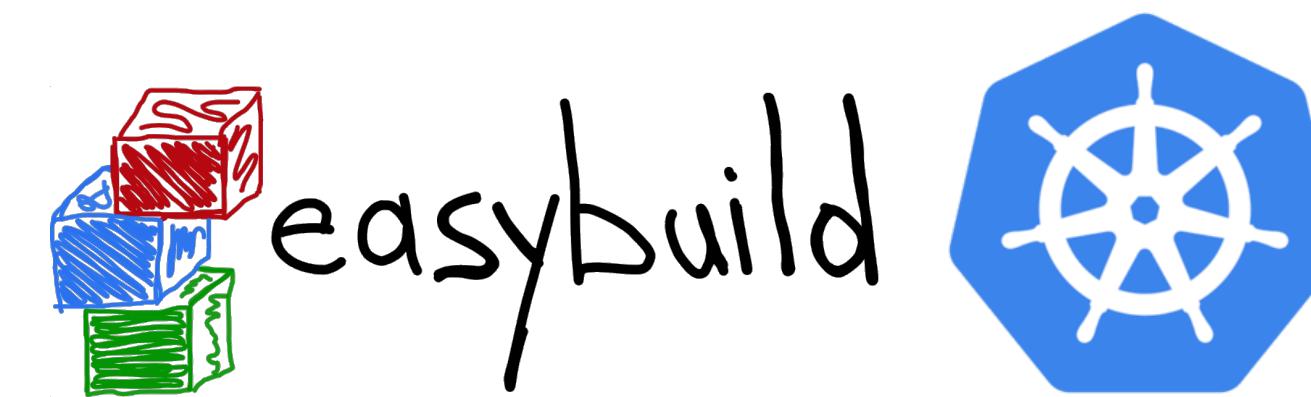
14:00 UTC



**A noob test: Spack "vs" EasyBuild**

*Jan-Patrick Lehr (TU Darmstadt)*

15:00 UTC



**EasyBuild for K8S-based Data Science Platforms**

*Guillaume Moutier (Red Hat)*

16:00 UTC



**Building a heterogeneous MPI stack with EasyBuild**

*Alex Domingo (VUB)*

17:00 UTC



**Getting started with EESSI**

18:00 UTC



**Leveraging EESSI for WRF simulations at scale on Azure HPC**

*Hugo Meiland, Davide Vanzo  
(Microsoft Azure)*

# 7th EasyBuild User Meeting - program

Thu 27 Jan 2022

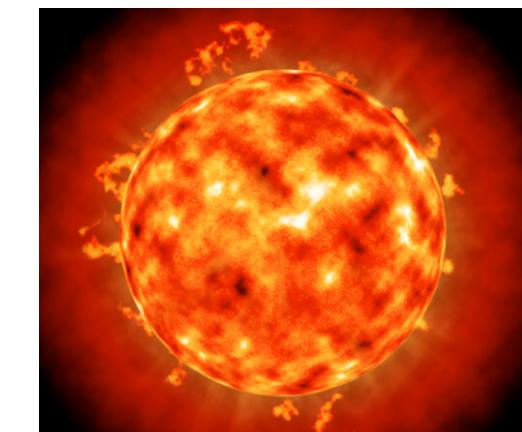
<https://easybuild.io/eum22#program>



14:00 UTC

## Modules 5

*Xavier Delaruelle (CEA)*



15:00 UTC

## Simulating fusion plasmas

*Thomas Hayward-Schneider (Max Planck)*



16:00 UTC

## ReFrame update

*Vasileios Karakasis (CSCS)*



17:00 UTC

## Lmod and XALT: Updates

*Robert McLay (TACC)*



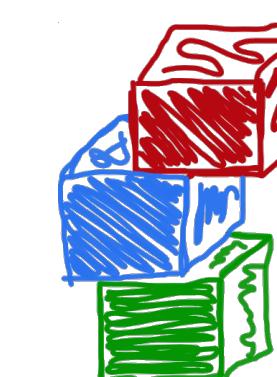
18:00 UTC

**The Research Software  
Engineer Movement**  
*Vanessa Sochat (LLNL)*

# 7th EasyBuild User Meeting - program

Fri 28 Jan 2022

<https://easybuild.io/eum22#program>

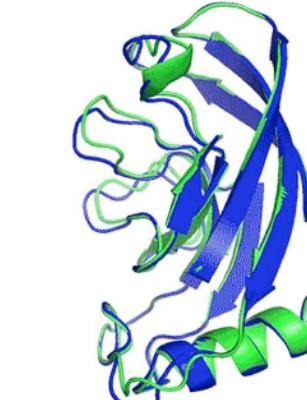
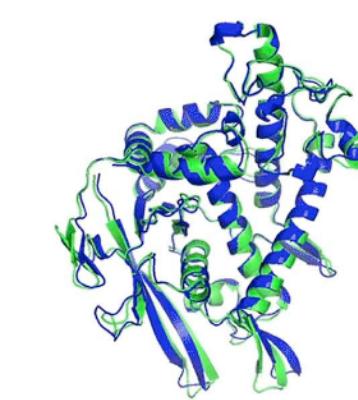


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14:00 UTC

**Site presentations**

*SURF, JSC*



15:00 UTC

**AlphaFold: a new age for protein folding**  
*Jasper Zuallaert (VIB-UGent)*



EESSI

16:00 UTC

**Semi-automated workflow for  
adding software to EESSI**  
*Bob Dröge (Univ. of Groningen)*

AMD

ROCm

17:00 UTC

**AMD Instinct™ Accelerators  
and the ROCm™ Platform**  
*Michael Klemm, Derek Bouius (AMD)*



RISC-V®

18:00 UTC

**Creating an Open HPC  
Ecosystem with RISC-V**  
*John D. Davis (BSC)*