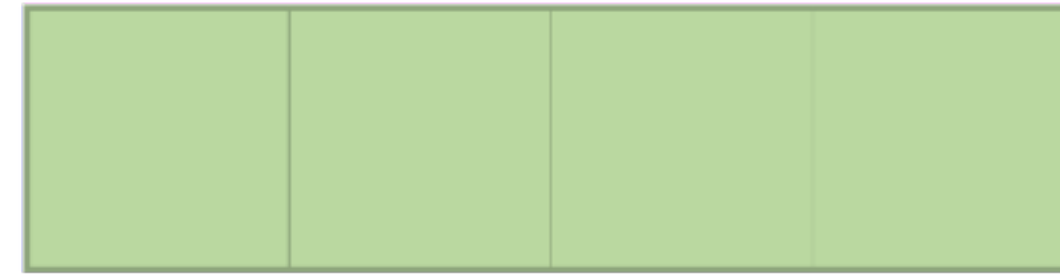


**EASYBUILD**



# **\*10th\* EasyBuild User Meeting (EUM'25)**

Welcome

25-27 March 2025

<https://easybuild.io/eum25>

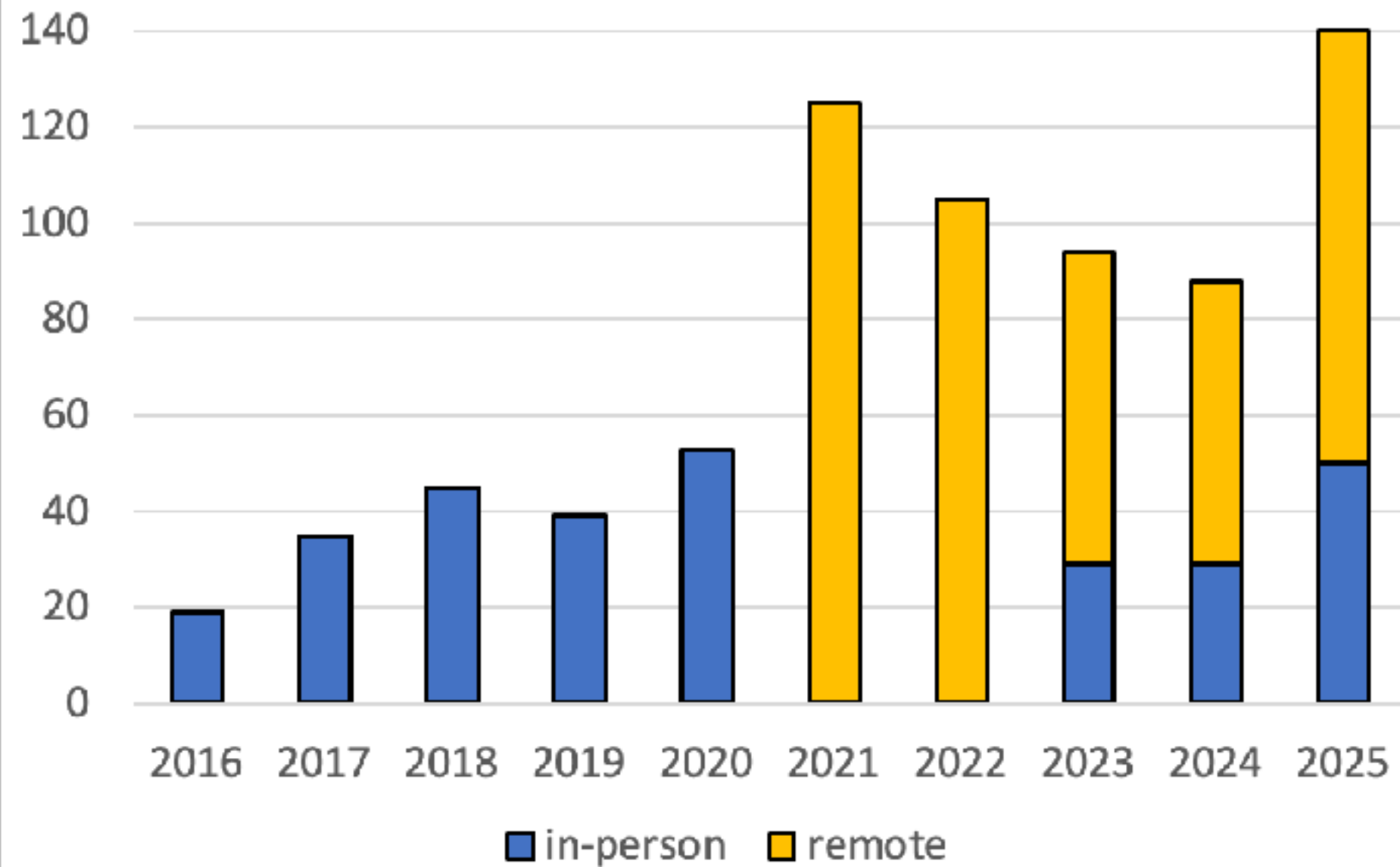


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# 10th EasyBuild User Meeting: registrations

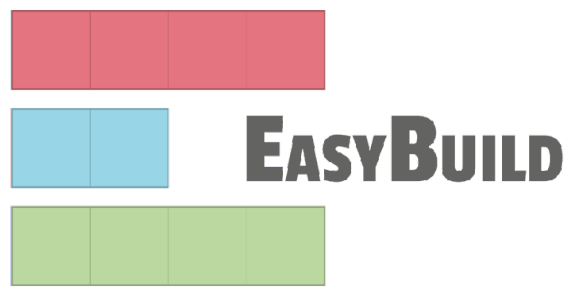


*EUM'24 (Umeå, Sweden)*

- *2016: 19 (Ghent, Belgium)*
- *2017: 35 (Jülich, Germany)*
- *2018: 45 (Amsterdam, Netherlands)*
- *2019: 39 (Louvain-la-Neuve, Belgium)*
- *2020: 53 (Barcelona, Spain)*
- *2021: 125 (virtual)*
- *2022: 105 (virtual)*
- *2023: 29 on-site + 65 remote (London, UK)*
- *2024: 29 on-site + 59 remote (Umeå, Sweden)*
- ***2025: 50 on-site + 90 remote (Jülich, Germany)***



# 10th EasyBuild User Meeting - program



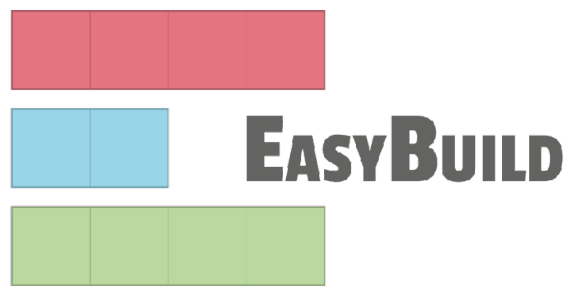
Tue 25 March 2025 (part 1)

<https://easybuild.io/eum25>

- [09:00-10:00] Meet & greet + registration (informal)
- [10:00-10:15] **Welcome to EUM'25**
- [10:15-11:00] **EasyBuild State of the Union** - Kenneth Hoste (HPC-UGent)
- [11:00-11:30] **EasyBuild 5.0** - Simon Branford (University of Birmingham)
- [11:30-12:00] **EasyBuild site talks (part 1)** - John Dey (Fred Hutch)
- *(lunch break)* & Bart Oldeman (Digital Research Alliance of Canada)
- [13:00-13:15] **Controlling the shell environment in EasyBuild v5.0** - Alex Domingo (VUB)
- [13:15-13:30] **Getting Started as EasyBuild Contributor** - Jan André Reuter (JSC)
- [13:30-14:00] **Lmod: Recent Developments + Future of Lmod** - Robert McLay (TACC)
- [14:00-14:30] **Environment Modules: features available, next developments + project update**

Xavier Delaruelle (CEA)

# 10th EasyBuild User Meeting - program



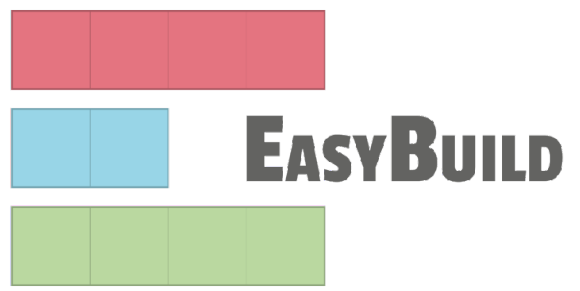
Tue 25 March 2025 (part 2)

<https://easybuild.io/eum25>

- *(coffee break)*
- [15:00-15:20] **A Secure Workflow for Shared HPC Systems** - Alexander Grund (TU Dresden)
- [15:20-15:45] **Integrating exaCB with EasyBuild: The why and the how** - Jayesh Badwaik (JSC)
- [15:45-16:15] **The AMD ROCm(tm) Platform** - Michael Klemm (AMD)
- [16:30-17:00] **Open OnDemand** - Julie Ma & Alan Chalker (Ohio Supercomputer Center) (*remote*)
- [16:30-17:00] **Spack update + HPSF** - Todd Gamblin (LLNL) (*remote*)
- [19:00] Group dinner, sponsored by



# 10th EasyBuild User Meeting - program

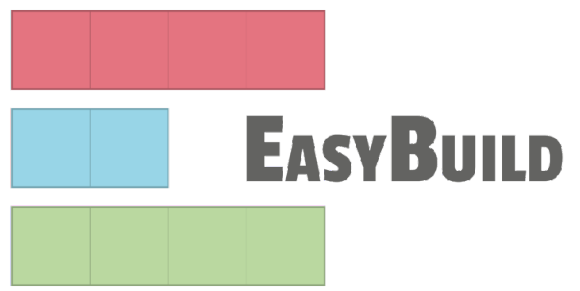


Wed 26 March 2025 (part 1)

<https://easybuild.io/eum25>

- [09:00-10:00] **Keynote: Modern MPI and what you need to know about it**  
Jeff Hammond (NVIDIA)
- [10:00-10:30] **A new LLVM toolchain for EasyBuild** - Davide Grassano (CECAM)
- *(coffee break)*
- [11:00-11:30] **EasyBuild's Linear Algebra**  
Bart Oldeman (Digital Research Alliance of Canada)
- [11:30-12:00] **OpenGL support in EasyBuild** - Jens Henrik Göbbert (JSC)
- *(lunch break)*

# 10th EasyBuild User Meeting - program



Wed 26 March 2025 (part 2)

<https://easybuild.io/eum25>

- [13:00-13:15] **Performance Optimisation & Productivity Centre of Excellence (POP CoE)**  
Brian Wylie (JSC)
- [13:15-13:30] **Got bottlenecks? Score-P & friends to the rescue!**  
Markus Geimer Wylie (JSC)
- [13:30-14:00] **State of LLMs** - Alexandre Strube (JSC)
- [14:00-15:00] **EasyBuild site talks (part 2)** Caspar van Leeuwen (SURF),  
Bob Dröge (Universiteit Groningen), Cintia Willemyns (Vrije Universiteit Brussel),  
Helena Vela Beltran (Do IT Now)
- [15:00-18:30] **Social event “Keeping the P in HPC”**, sponsored by 
- [19:00] Group dinner, sponsored by   

# 10th EasyBuild User Meeting - program

Thu 27 March 2025 (part 1)

<https://easybuild.io/eum25>



- [09:00-09:40] **Introduction to EESSI** - Lara Peeters (Ghent University)
- [09:40-10:00] **MultiXscale EuroHPC Centre-of-Excellence** - Alan O’Cais
- [10:00-10:30] **CI/CD via EESSI: the dev.eessi.io repository**  
Pedro Santos Neves (Universiteit Groningen)
- *(coffee break)*
- [11:00-11:20] **EuroHPC Federation Platform** - Henrik Nortamo (CSC.fi) *(remote)*
- [11:20-11:40] **LEXIS** - Martin Golasowski (IT4Innovations) *(remote)*
- [11:40-12:00] **Waldur** - Ilja Livenson (University of Tartu) *(remote)*
- *(lunch break)*



# 10th EasyBuild User Meeting - program

Thu 27 March 2025 (part 2)

<https://easybuild.io/eum25>

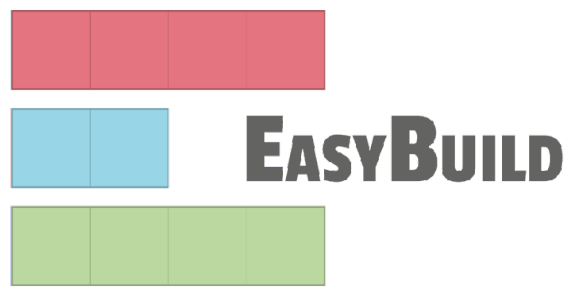


- [13:00-13:30] **CernVM-FS and the EESSI filesystem layer** - Valentin Volkl (CERN)
- [13:30-13:50] **Improving NVIDIA GPU support in EESSI** - Pavel Grochal + Anthony Beerens (INUITs)
- [13:50-14:10] **EESSI test suite** - Caspar van Leeuwen (SURF)
- [14:10-14:30] **Open discussion: how to recruit and retain IT talents in Research Computing**
- (coffee break) Jörg Saßmannshausen (Imperial College London)
- [15:00-15:30] **Test infrastructure for EasyBuild** - Sebastian Achilles (JSC)
- [15:30-16:00] **Quantum computing: JUNIQ & co** - Madita Willsch (JSC)
- [16:00-17:00] **JUPITER - State of Matters** - Damian Alvarez, Sebastian Achilles (JSC)
- [17:00-17:30] **Four decades of HPC** - Bernd Mohr (JSC)
- [17:30-18:30] **Tour of JSC datacenters + JUPITER**
- [19:00] Group dinner, sponsored by



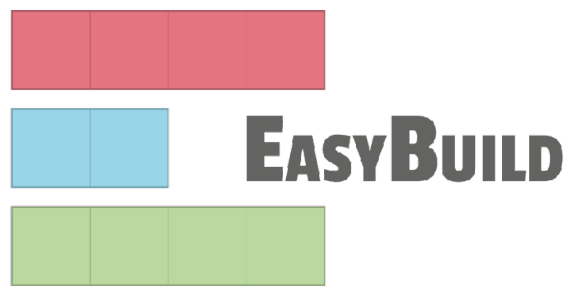


# EUM'25 - Remote attendance



- Registered attendees can ask questions live via Zoom *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>**

# EUM'25 - Live streaming & recording



- Live streaming of all talks via the **EasyBuild YouTube channel**

<https://www.youtube.com/c/easybuilders>

- Talk recordings (live) should be available there shortly after each talk
- Talks from **ALL** previous EasyBuild User Meetings are also available there, together with other talks on EasyBuild and related tools (see playlists)
- Join #eum channel in EasyBuild Slack for Q&A!

# 10th EasyBuild User Meeting

Group dinner - Tue 25 March 2025

- 19:00
- Restaurant Hexenturm
- Rurstraße 94, 52428 Jülich
- <https://www.hotel-hexenturm.de/restaurant>
- Menu: <https://www.hotel-hexenturm.de/fileadmin/Media/Pdf/HexenturmJuelichSpeisekarte-2024.12.pdf>

- **Sponsored by**  **JÜLICH** | JÜLICH  
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# 10th EasyBuild User Meeting

Group dinner - Wed 26 March 2025

- 19:00
- Restaurant La Piazza
- Michael-Schumacher-Str. 5, 50170 Kerpen-Sindorf
- <https://lapiazza-kerpen.de>
- Italian appetizer, pizza, and pasta buffet

• Sponsored by



# 10th EasyBuild User Meeting

Group dinner - Thu 27 March 2025

- 19:00
- Restaurant Einhorn
- Poststr. 16, Jülich
- <https://einhorn-juelich.de>
- Menu: [https://einhorn-juelich.de/wp-content/uploads/Einhorn-Speisekarte\\_09\\_2024.pdf](https://einhorn-juelich.de/wp-content/uploads/Einhorn-Speisekarte_09_2024.pdf)

• Sponsored by



**10th EasyBuild User Meeting - social event**  
**Wed 26 March 2025, 15:00-18:30**







10th EasyBuild User Meeting - social event  
Wed 26 March 2025, 15:00-18:30

Sponsored by  
 **doitnow**  
HPC Services



Michael SCHUMACHER  
**KART & EVENT - CENTER**

<https://www.ms-kartcenter.de>



# 10th EasyBuild User Meeting - program

Social event: **Keeping the P in HPC**

<https://easybuild.io/eum25>



- **Organized 2-hour kart competitive race**

including security training, qualifying, and award ceremony

- **Every driver needs to register in advance to get racing license:**

<https://kiosk.bmileisure.com/mskart/register>

- ~30min drive from Jülich, transport by car will be organised

- Sponsored by  **doitnow**  
HPC Services

