2023q4 - status

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neic
NORDIC E-INFRASTRUCTURE COLLABORATION

Resource changes

- New UiO disk getting closer to production
  - First attempt at 100Gbit/s dCache pool nodes
  - The blocksize used by dCache for network and storage traffic needs adjustment, changes in progress
- ATLAS tape getting better
  - Mainly taking data to NSC right now
  - New tape drives for Jaguar sites (UiO, HPC2N)
    - HPC2N
    - UiO installation this week
- New cluster purchased at HPC2N
  - In commissioning currently, so not affecting 2023Q4
  - Looks to be a good boost, surprisingly much compute for money
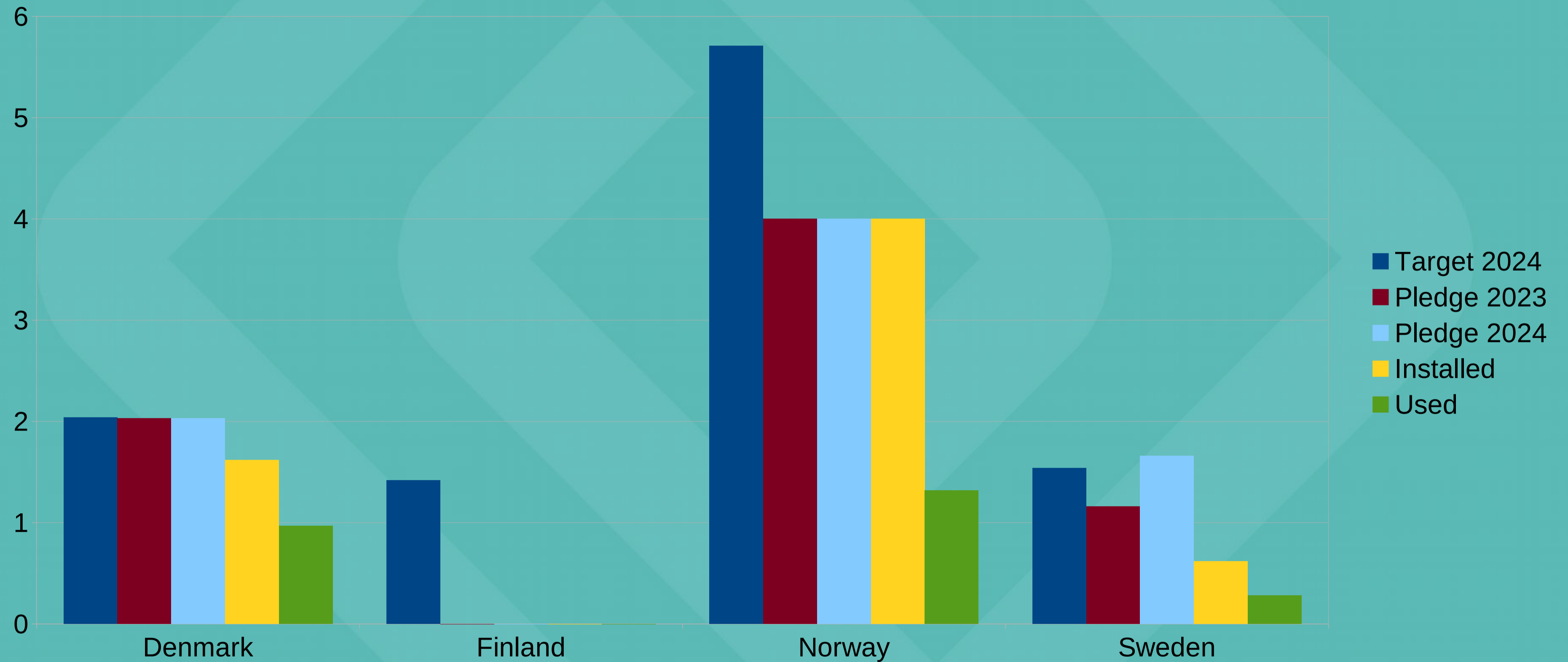
SPEAKER | Mattias Wadenstein <maswan@ndgf.org>
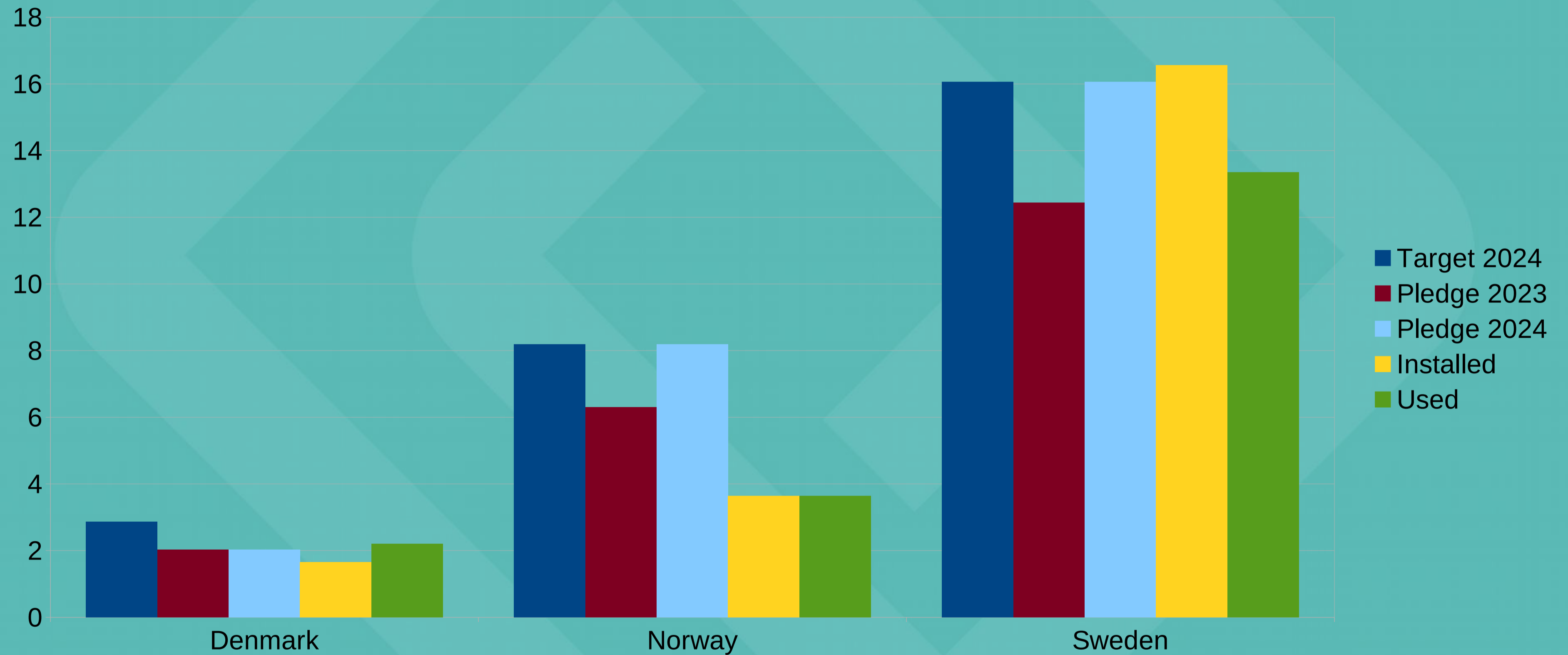
Noteworthy events and issues

- Weeks-long problems with copying data to and from our storage after dCache 9.2 upgrade
  - For (as of yet undiagnosed) reasons, dCache stopped sending performance markers on the control channel to the dCache door while doing third-party transfers over https
  - Our haproxy setup in front of dCache had a 50s timeout on inactive sessions where no traffic happened
  - Finally diagnosed and worked around last week
- This severely affected our participation in DC24
  - Lots of network traffic, very little file transfer throughput for ATLAS
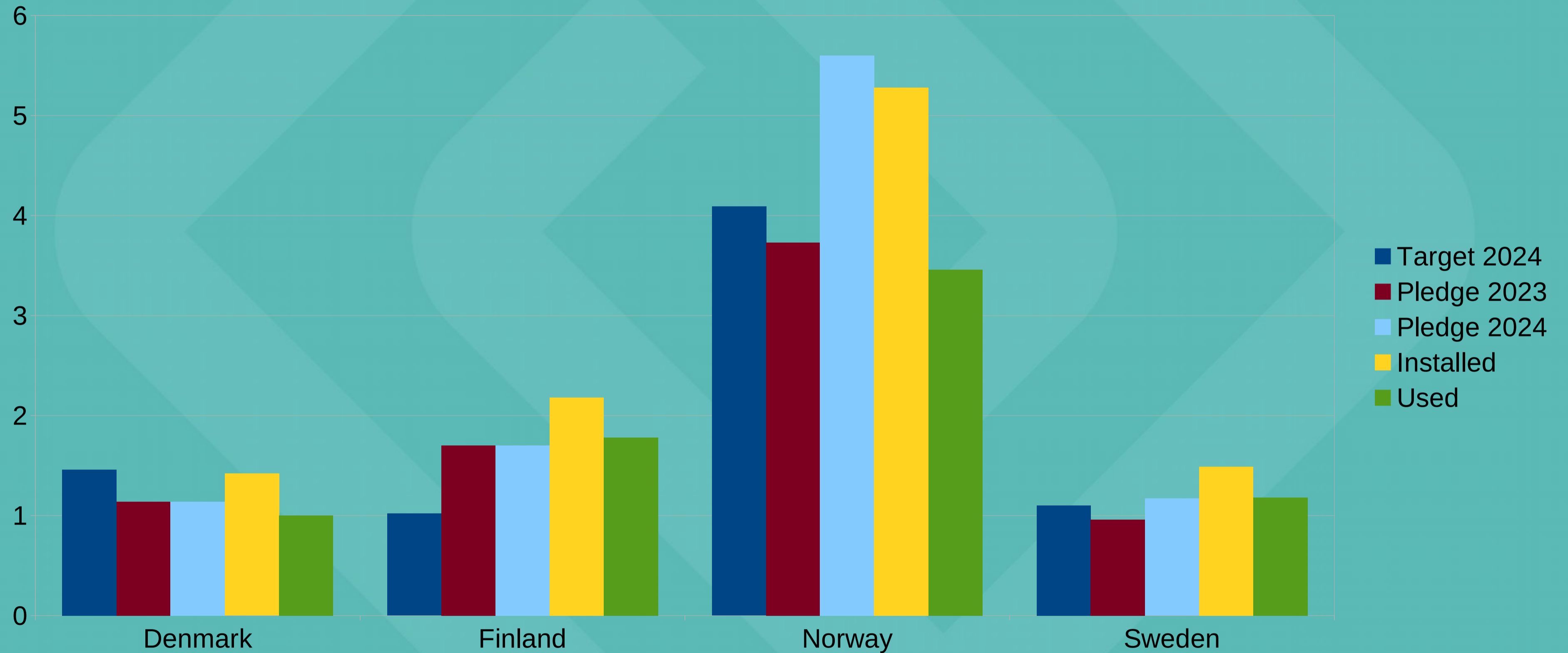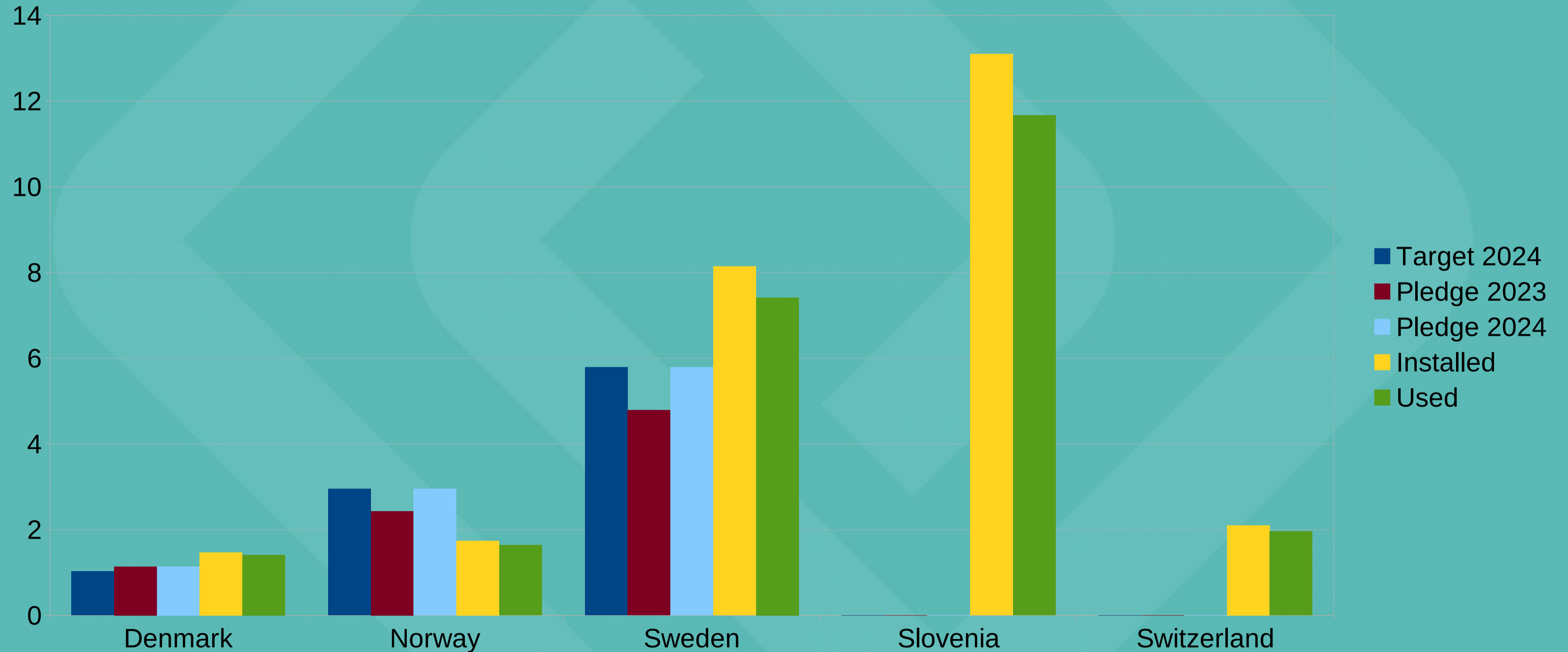 - ALICE writing tape data over xrootd worked fine

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ALICE Tape

Chart showing Target 2024, Pledge 2023, Pledge 2024, Installed, and Used values for Denmark, Finland, Norway, and Sweden.

ATLAS Tape

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ALICE Disk

Legend: Target 2024, Pledge 2023, Pledge 2024, Installed, Used

Countries: Denmark, Finland, Norway, Sweden

ATLAS Disk

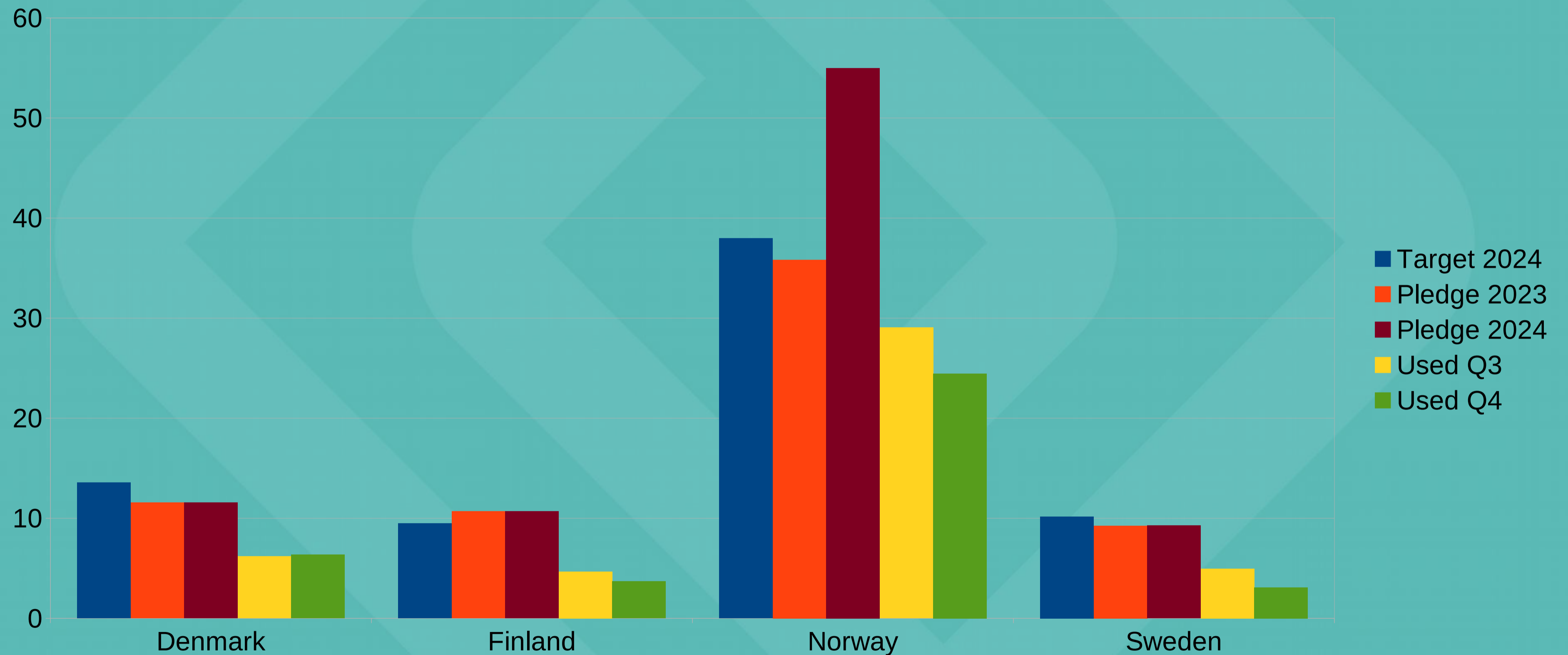**SPEAKER | Mattias Wadenstein <maswan@ndgf.org>**

CPU Usage Comments

- ALICE not using all of our compute due to lack of jobs
  - Starting to improve as of 2024Q1, but still not fully used
- HPC2N still running on "a rack extra" of old Kebnekaise nodes
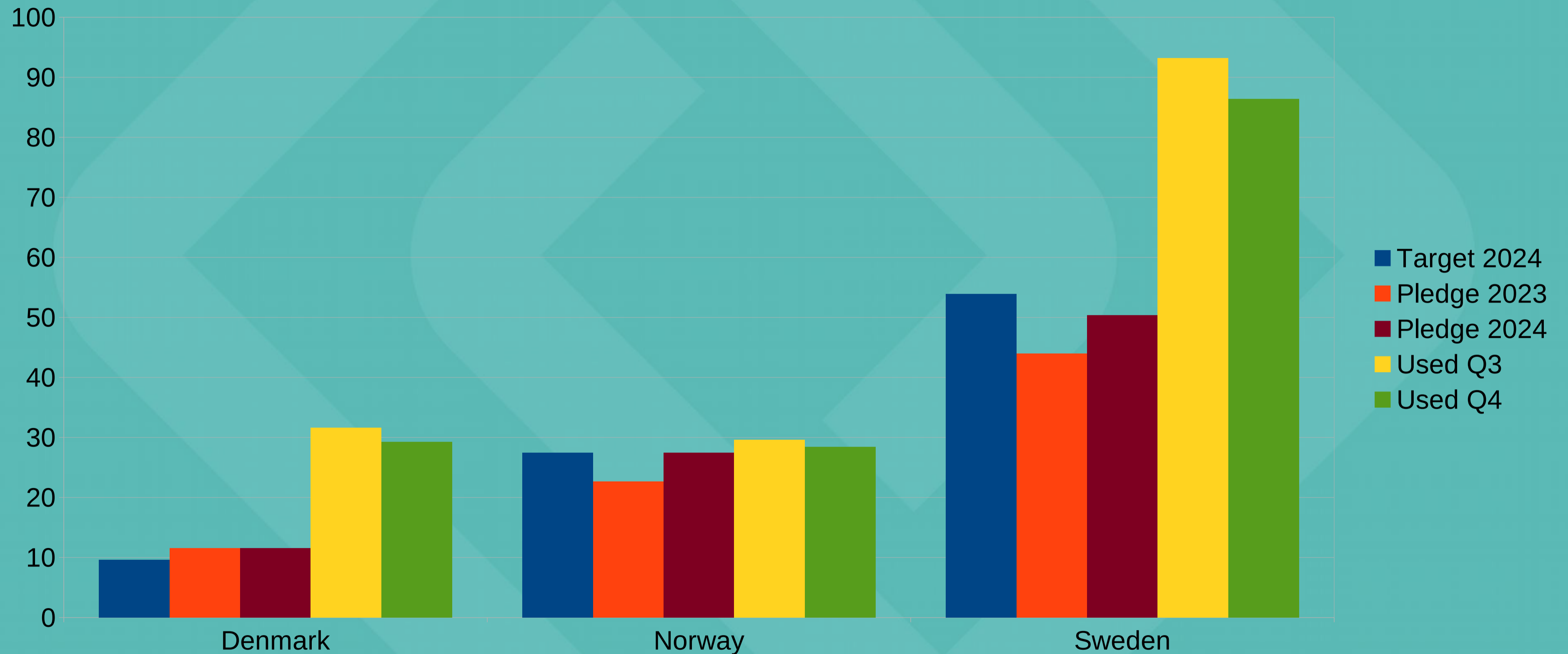 - Delivering significantly over pledges

ALICE CPU

Legend:
- Target 2024
- Pledge 2023
- Pledge 2024
- Used Q3
- Used Q4

Categories: Denmark, Finland, Norway, Sweden

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ATLAS CPU

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Questions?