

# Operations in NDGF-T1 (and SE-SNIC-T2)

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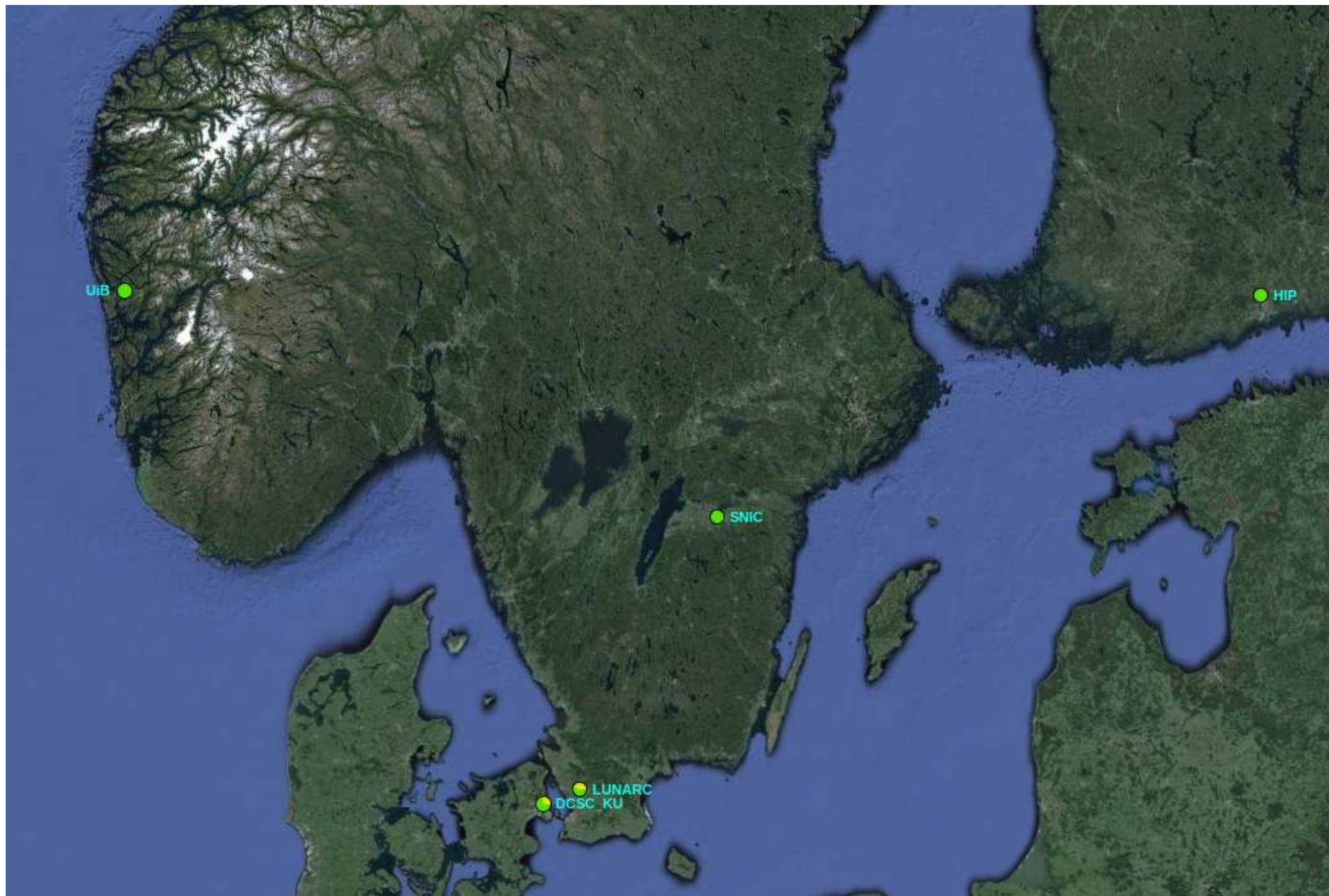


# NDGF & NeIC: Background

- Nordic DataGrid Facility (NDGF) was founded 2002 to coordinate the cooperation between Finland, Sweden, Norway and Denmark to create a Tier-1 for ATLAS and ALICE.
- A few years ago, NDGF was reorganized into NeIC (Nordic e-Infrastructure Collaboration)
  - Maintaining NDGF-T1 is a project within NeIC
- In addition to the NDGF-T1, there's a few T2:s in the Nordics
  - FI-HIP-T2 for CMS
  - ~~NO-NORGRID-T2 for ATLAS~~
  - SE-SNIC-T2 for ALICE and ATLAS
  - Sometimes hard to distinguish from NDGF-T1.



# ALICE sites in NDGF



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  - Broken reverse DNS for now.
  - A "quick-and-dirty" setup, but it's operational (unlike the CMS@cPouta project ...)
  - CPU resources for ALICE in Finland shrunk in practice at end of last year. (because the old cluster was a big cluster shared with other users, that didn't use it much.)



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  - $\sim 700$  cores shared by ALICE and ATLAS.



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  - Also takes care of the SNIC-T2 storage.



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- SNIC-T2 computing.
- New cluster will be taken into use eventually.



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  - 1016 cores shared with ATLAS.
    - 25 nodes  $\times$  32 = 800 very old cores
    - 7 nodes  $\times$  24 = 168 New cores
    - 4 nodes  $\times$  12 = 48 Borrowed cores (may have to be given back with short notice)



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  - Fairshare configuration not quite fully working
    - Mix of single core and multicore jobs seems to cause trouble



# Sites: Norway

- UiB



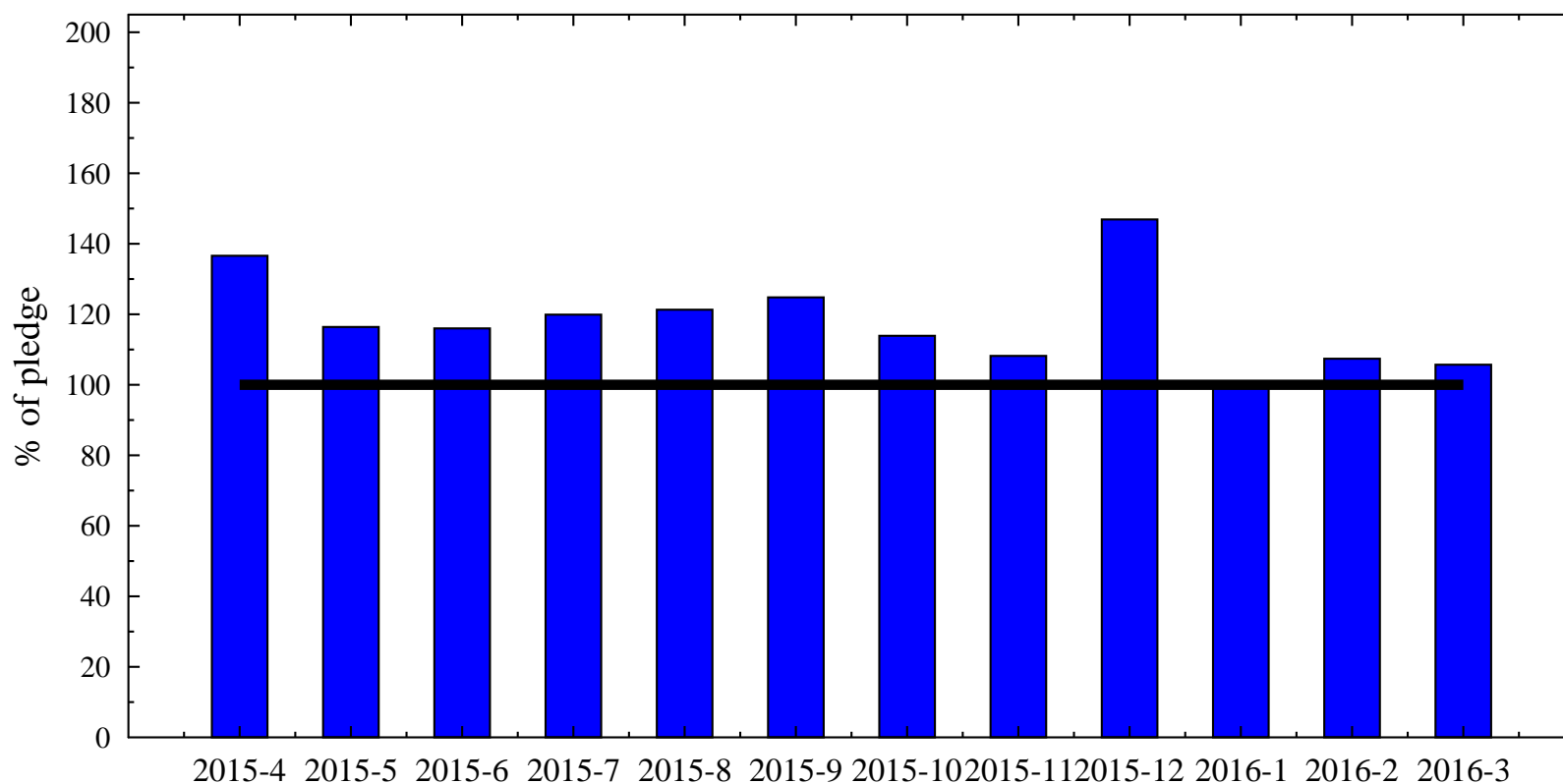
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  - See Boris' presentation on Wednesday



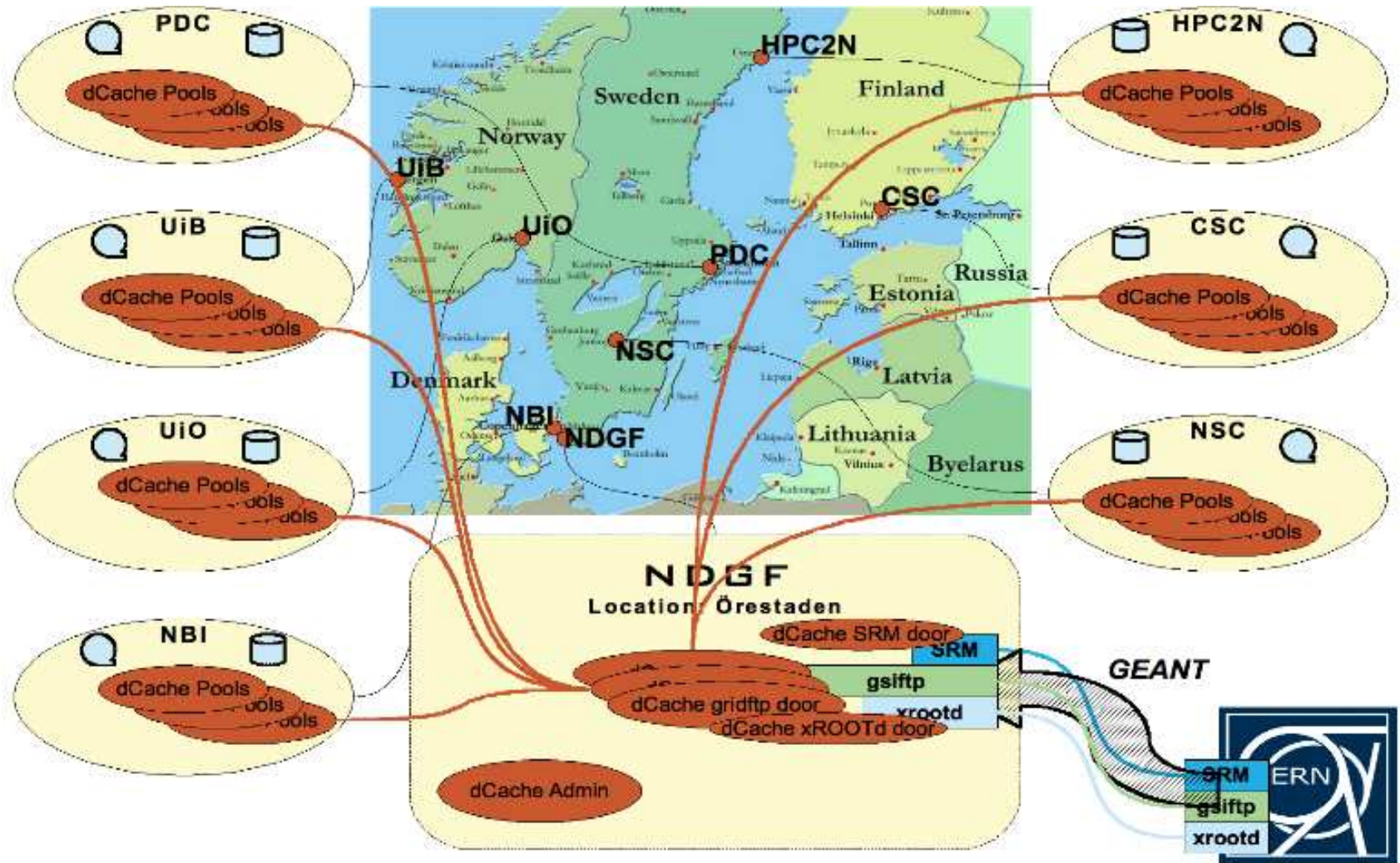
# CPU resources

- Last year, NDGF-T1 + SNIC-T2 did well pledgewise
- Starting this year, we aren't quite as good, but still  $\geq 100\%$ .



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  - (at least, almost ...)



# Questions?

