NT1 in 5 minutes

A brief history of us
2016-01-26, NeIC AHM2016, Skeikampen

norden

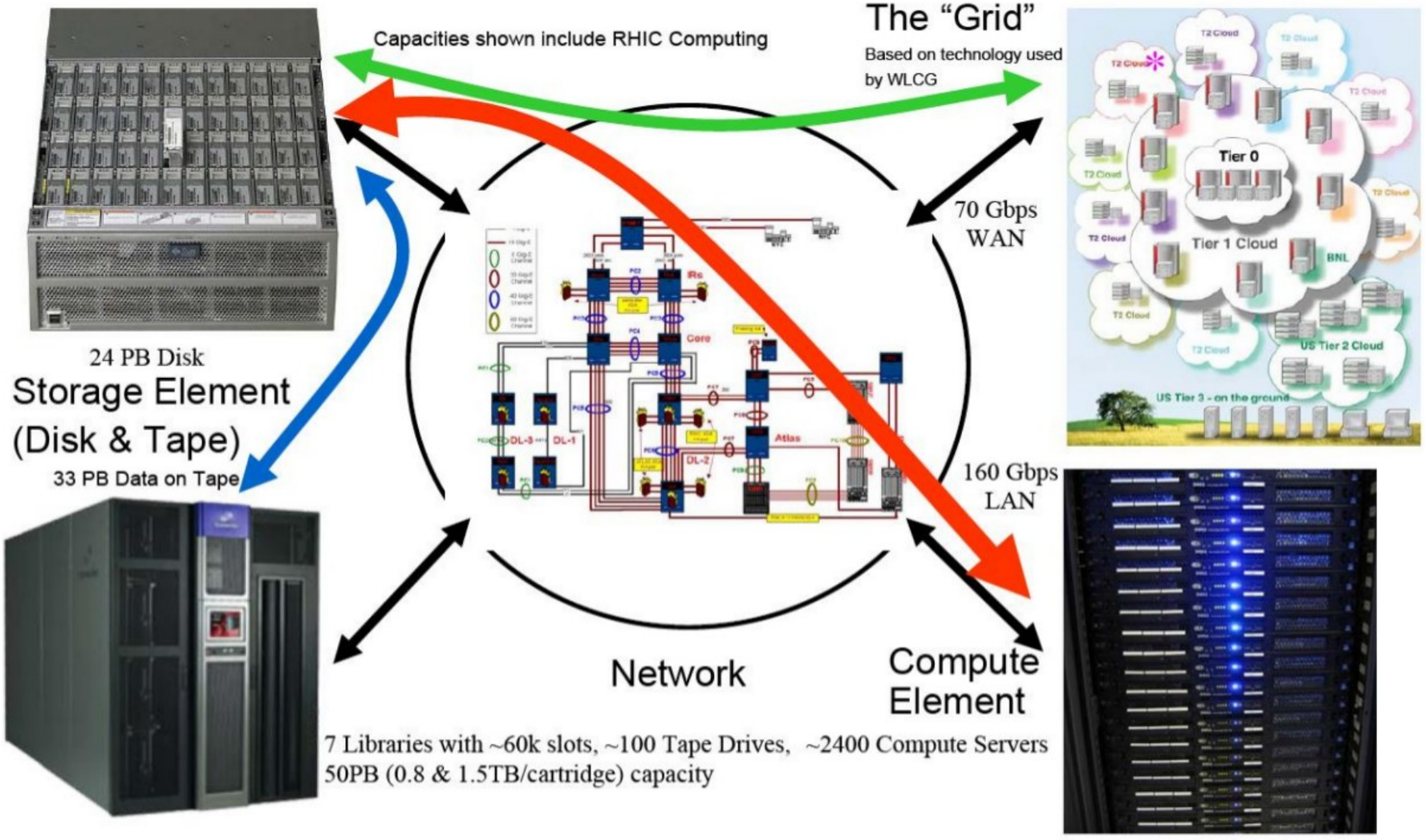
NordForsk

Nordic e-Infrastructure Collaboration

Task

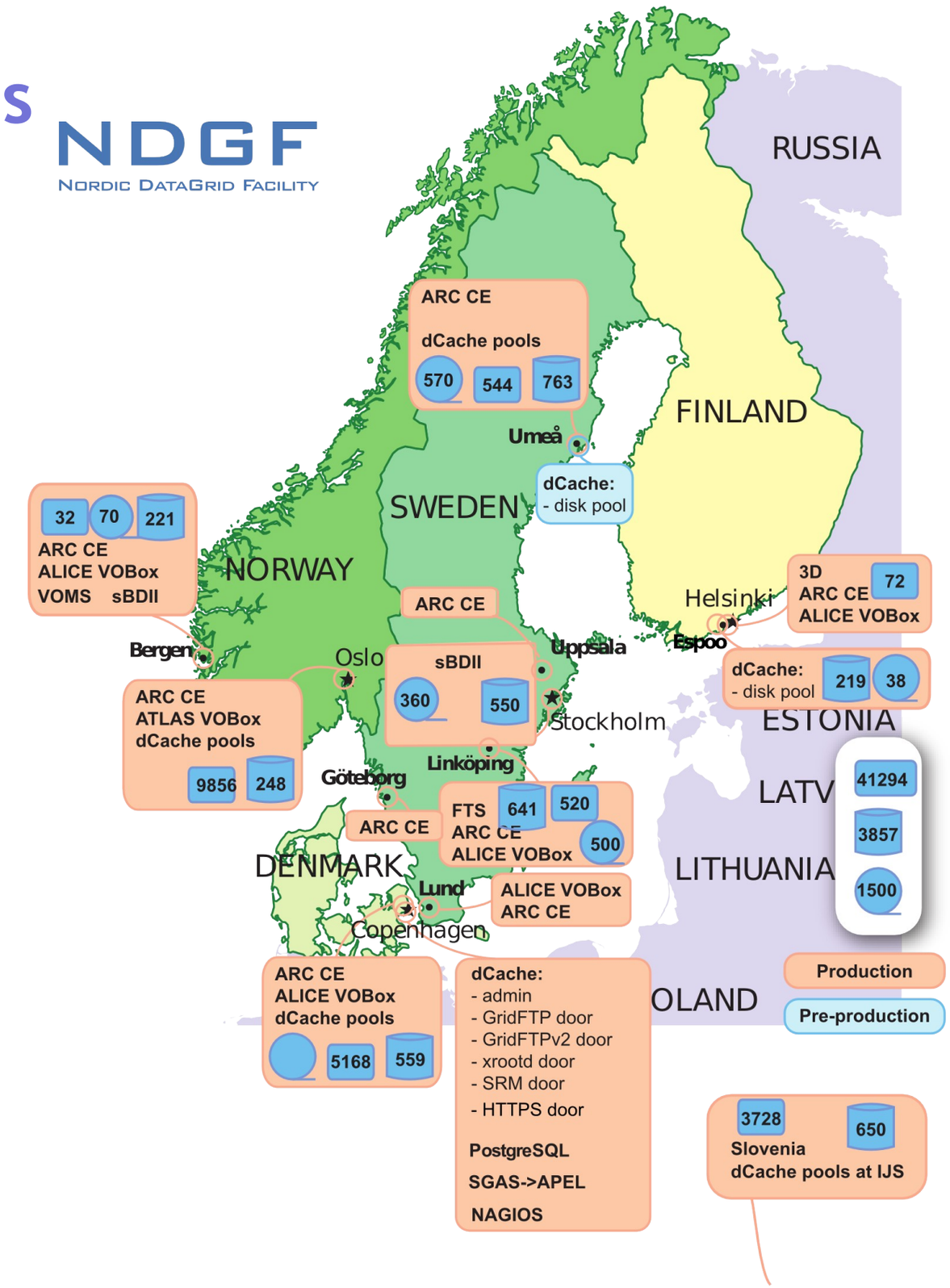
- Store data from the LHC
  - 6% of ATLAS and 9% of ALICE
  - A few PiB/year to disk and tape, accelerating rate
  - Keep it for LHC lifetime + 15 years
- Provide computation for simulation, analysis, reconstruction
  - Through grid interfaces because that's what you can do when there are hundreds of resources in different places
  - Grid also fits well for defining a job with inputs, outputs and doing all the staging etc

We're supposed to look like this



While reality looked like this

- For completenes
  - Since then we have
    - Removed CSC tape
    - Decomissioned PDC
    - Added UiO tape
    - Removed Uppsala and Lund
    - Removed 3D
    - Added lots of resources
    - Moved pre-prod to ore



Idea

- Managed resources out at all our sites
- Coordinated by a central team and services into a coherent service for our users
- Shielding our users from most of the complexity of our distributed nature
- Shielding our site admins from most of the complexity of our users
  - Works really well for storage, computing is more decentralized

Questions?