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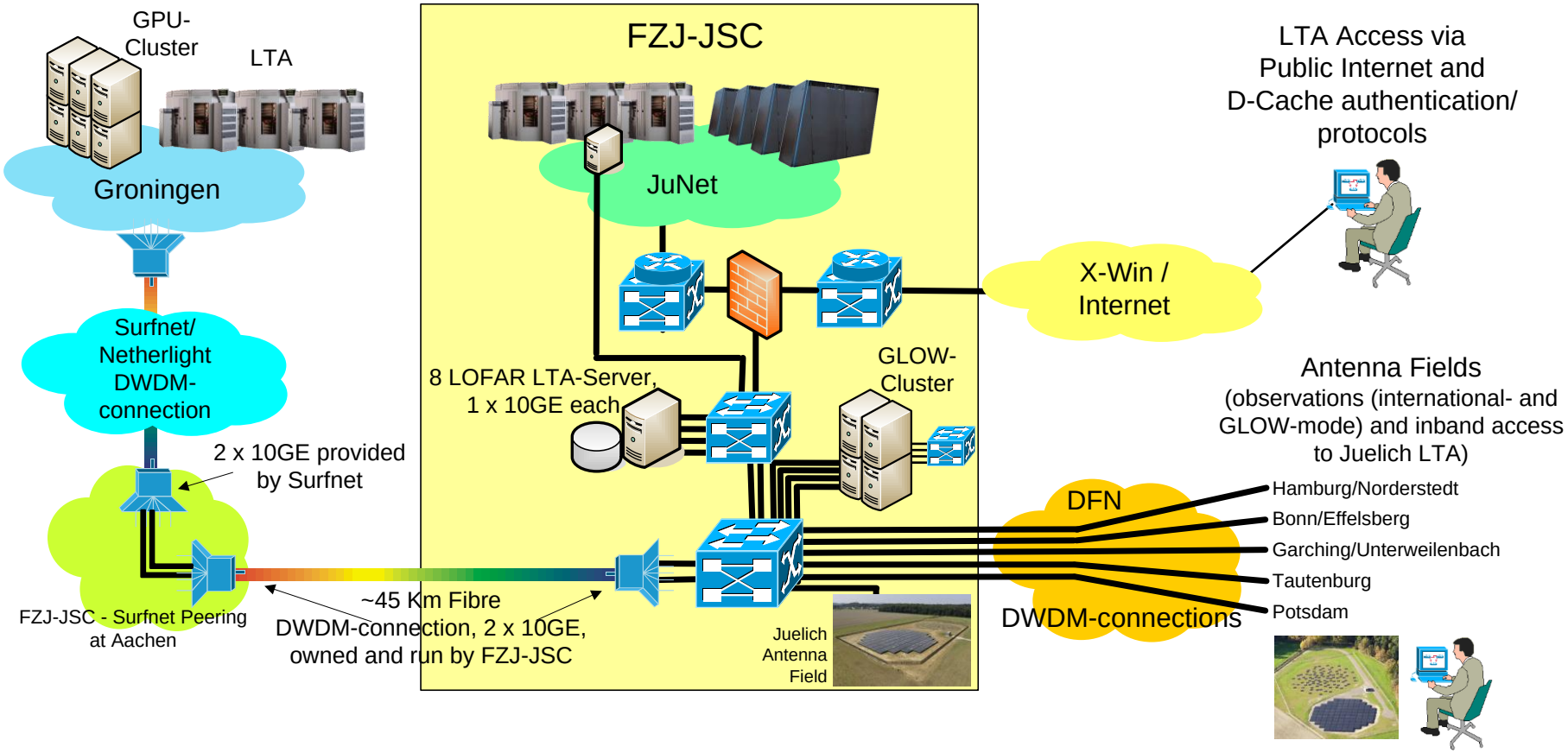
Short Statusreport on the German LOFAR-Network

Olaf Mextorf
Jülich Supercomputing Centre (JSC)
Research Centre Jülich (FZJ)

Actual setup of the GLOW-/LOFAR-Network



Short summary of the GLOW-/LOFAR-Network‘s year 2017

- The network setup and topology was nearly unchanged in 2017
  - Same number of GLOW-stations/-antennafields
  - No additional nodes for the GLOW-correlator/-cluster at Jülich
  - Dataflows as designed and established already in 2016

- Operations throughout 2017
  - Outages/maintenances introduced by DFN on the same level as the years before
  - A few short outages/maintenances introduced by SurfSARA

Short summary of the GLOW-/LOFAR-Network‘s year 2017

- Operations throughout 2017 (continued)
  - Data access / transfer from the Jülich LTA towards the community was noticeably increasing
    - *Especially scientists at SARA requested high volumes of data from the Jülich LTA via the public Internet*
      - For those transfers the usable bandwidth had to be limited to ~6 Gbit/s to “protect” Jülich’s Internet-access

Short summary of the GLOW-/LOFAR-Network's year 2017

- Outlook towards 2018
  - New network components to be deployed at JSC
    - *No major changes for the GLOW-/LOFAR-Network*
    - *More flexibility and capacity for future network design and monitoring*
  - Additional links / higher bandwidth towards SARA?
    - *Talks between SARA and Jülich to address SARA's needs for high volume data transfers out of Jülich's LTA*
  - Upgrade of Jülich's Internet Access Bandwidth (via DFN) towards 100 Gbit/s

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Thank you !

Questions ?