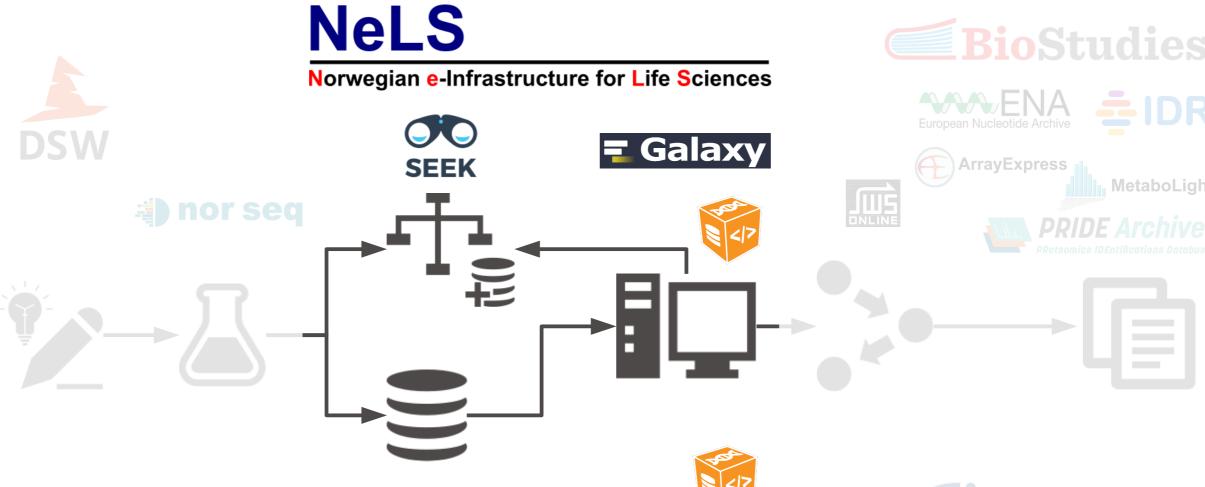


Data Storage Platforms



Korbinian Bösl Data manager ELIXIR Norway 21 February 2020

















National HPC infrastructure

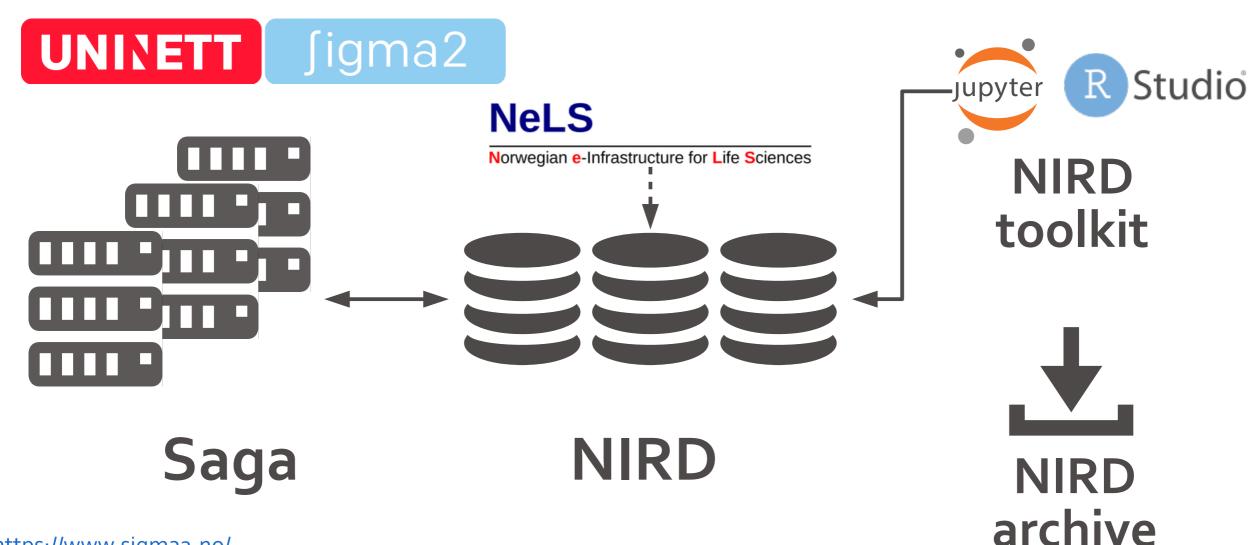






Free Analysis Toolkit (Rstudio, Jupyternotebook)

National HPC infrastructure



https://www.sigma2.no/

HPC infrastructure

UNINETT | sigma2

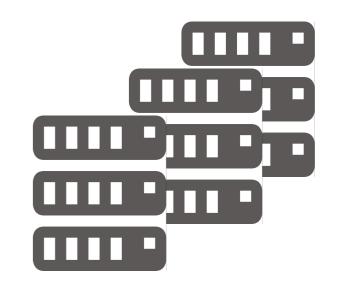
Saga

244 nodes – 9824 cores – 32 GPUs

Total 75TB RAM - 186-3066GB/node

89TB + 60TB NVMe+SSD

1PB file system



Storage infrastructure - NIRD

UNINETT | sigma2

Geo replicated

Nightly snapshots

12 PB (\rightarrow 36 PB next 4 yrs)



Sigma2 - Getting Access

UNINETT | Sigma2

Bi-annual calls (January & July) – Reapplication (!)

User contribution model (projects > 15 mill. NOK)

Application for small grants continually





Maximum classification

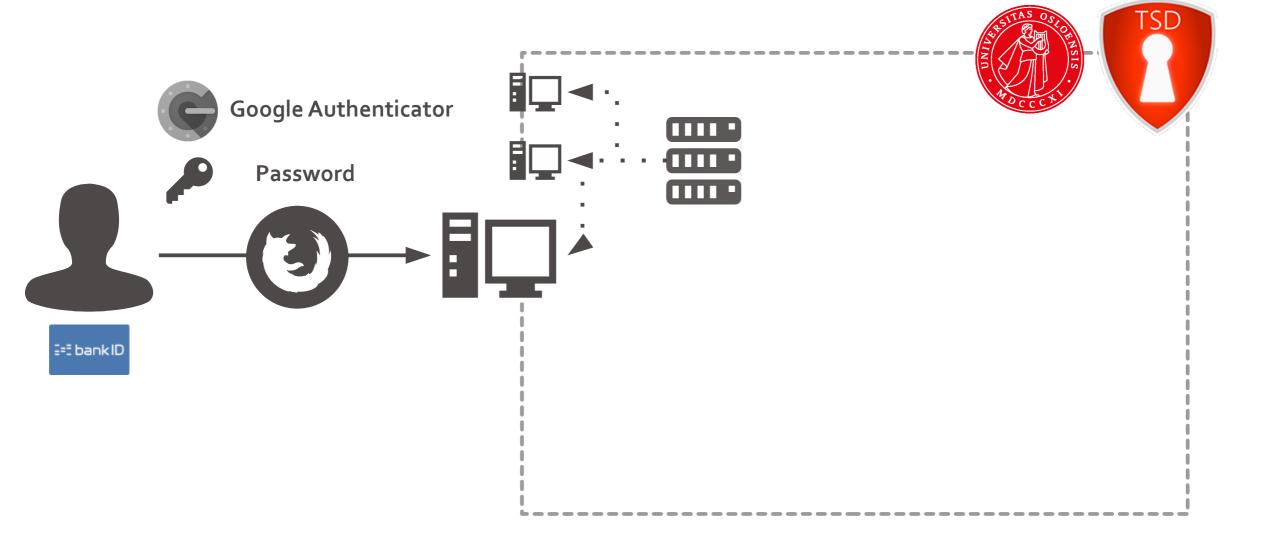
2-factor authentication

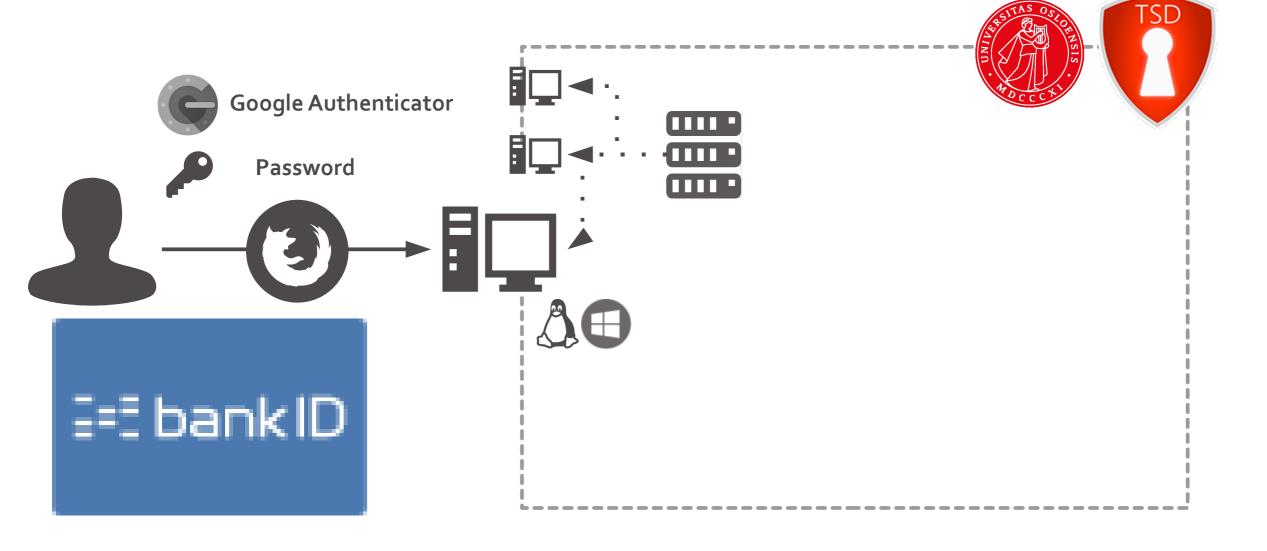
Attached HPC resources

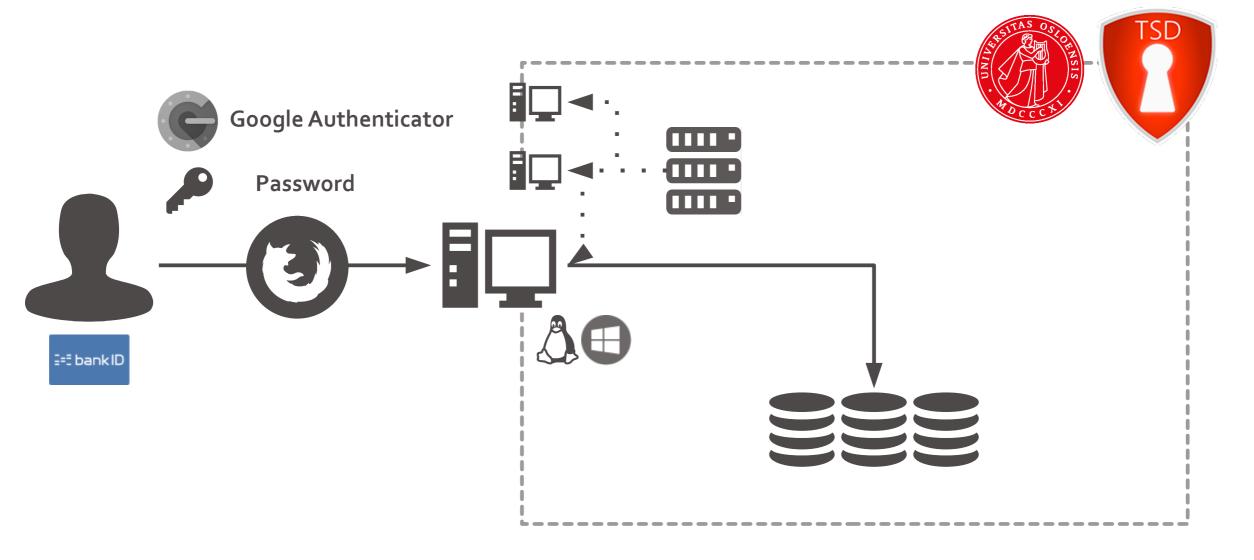


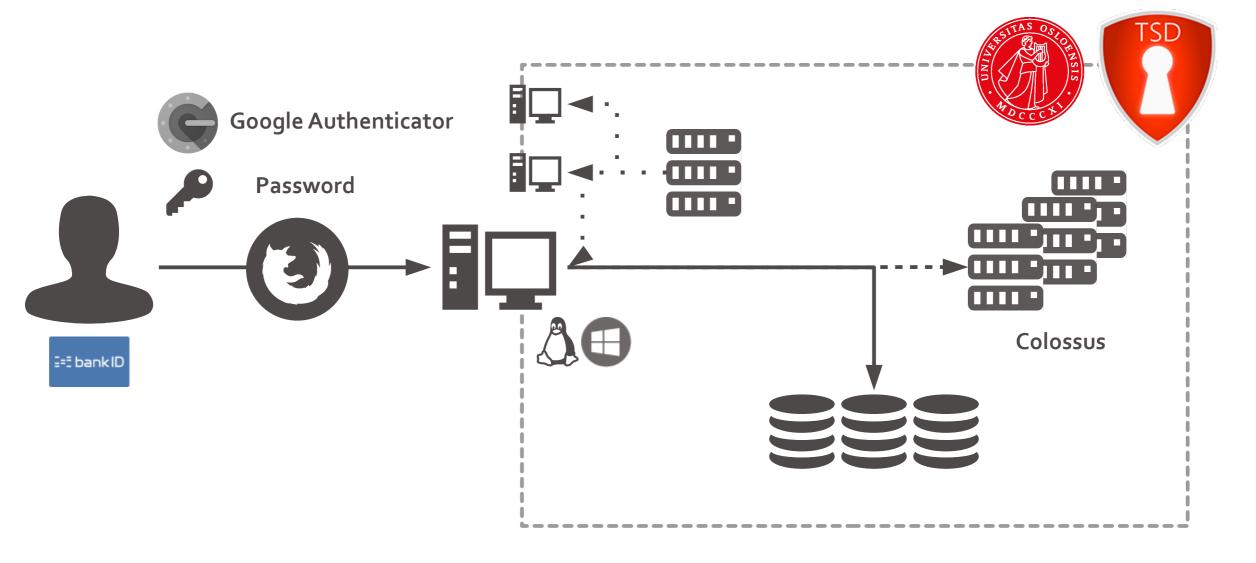












TSD – Getting Access





Subsidized access through Sigma2 calls

User contribution model (non UiO: min 15kNOK/a)

Storage quotas through NeLS