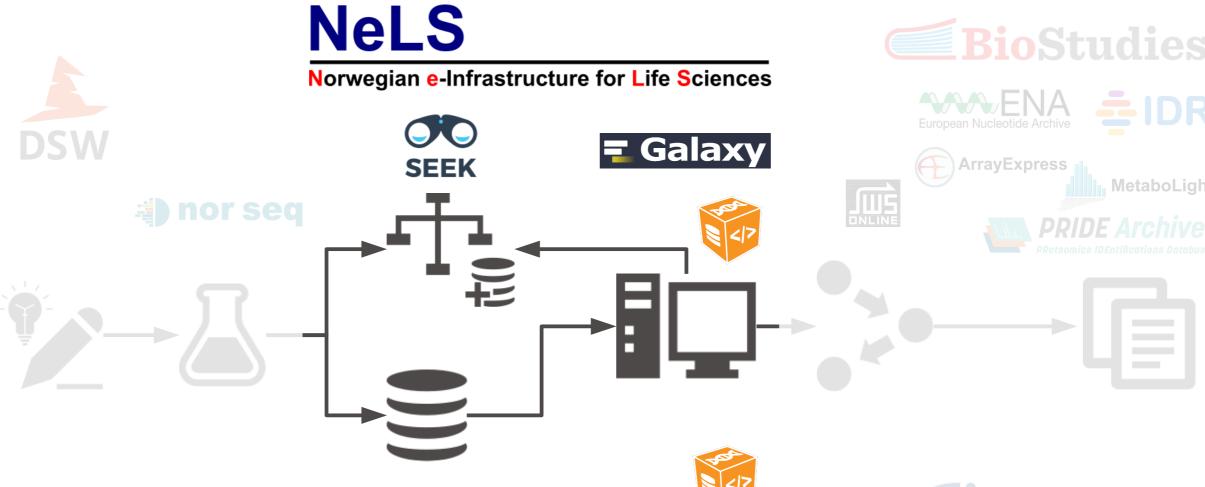




Korbinian Bösl Data management coordinator ELIXIR Norway/Digital Life Norway



















Storage @ UiB



Standard Storage

with tiering SSD -> HDD, snapshots & geo-duplication

Standard Storage w/o geo-duplication

Backup for other storage/own server

Billy - backup-ed long term tape storage

kr 2,70 / GB / a

kr 1,70 / GB / a

kr 1,20 / GB / a

kr 7.5 k / 30 TB / a

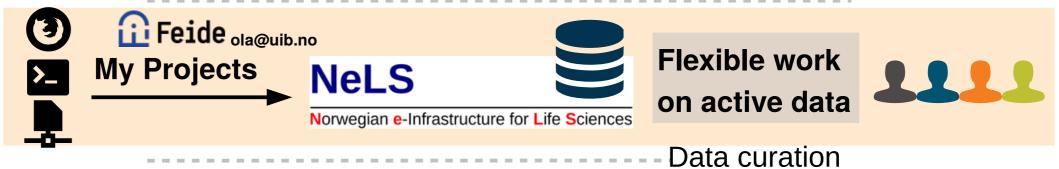
https://it.uib.no/en/File_storage_and_backup https://it.uib.no/Prisliste_IT_tjenester https://it.uib.no/Standard_Fillagring_Med_Tiering contact: https://hjelp.uib.no/



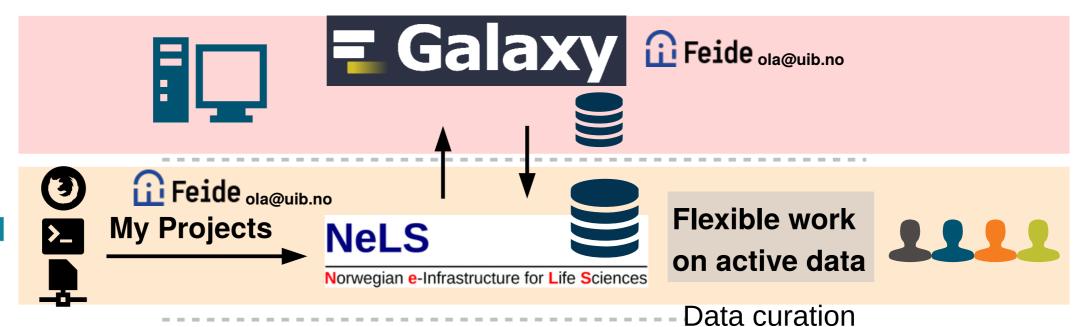


Data curation



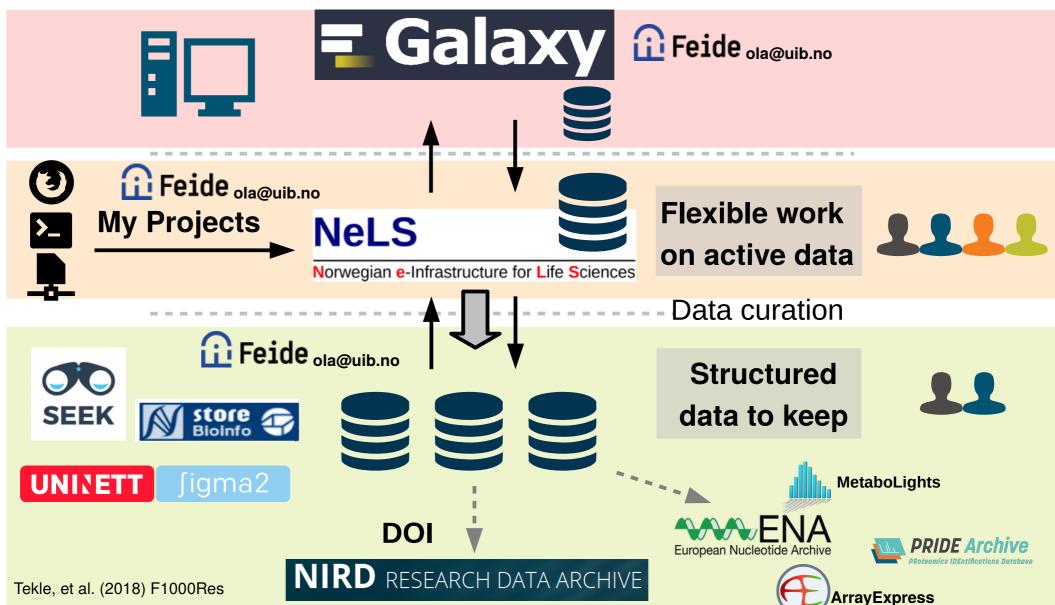


Tekle, et al. (2018) F1000Res github.com/elixir-no-nels/nels-core



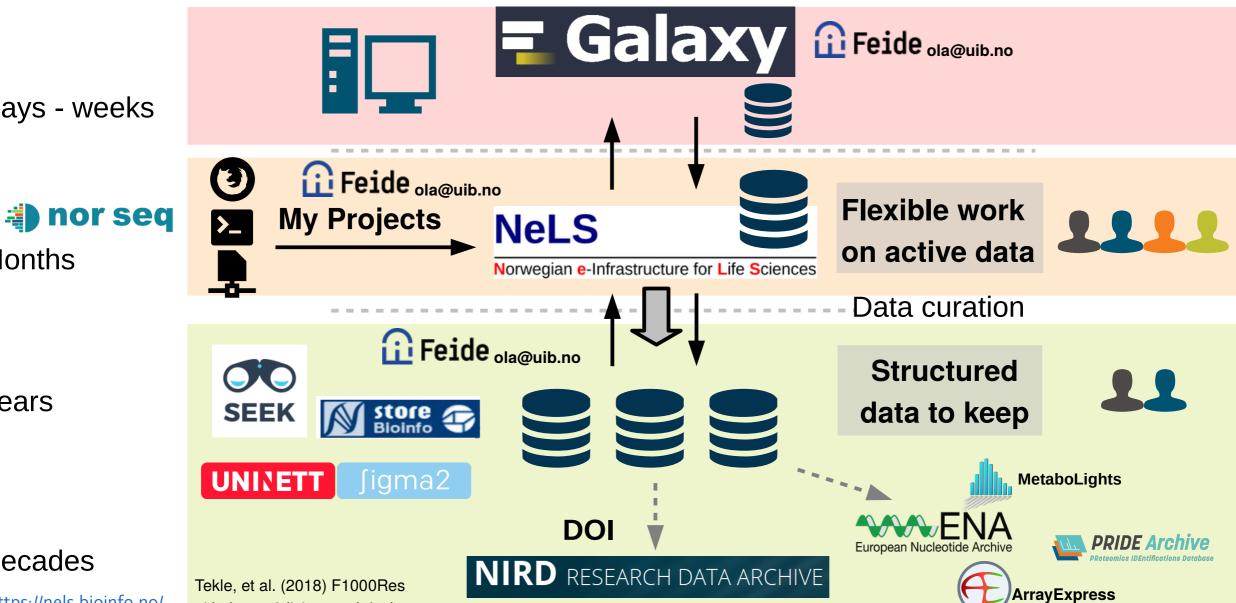


Tekle, et al. (2018) F1000Res github.com/elixir-no-nels/nels-core



https://nels.bioinfo.no/
github.com/elixir-no-nels/nels-core

nor seq



Decades

Months

Years

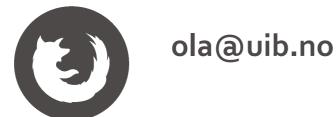
Days - weeks

https://nels.bioinfo.no/ github.com/elixir-no-nels/nels-core

NeLS - Accessibility

small datasets





NeLS - Accessibility

small datasets



larger datasets



ssh-key





sFTP

Data Analysis in NeLS = Galaxy

Name	Annotation	Owner	Community Rating	Community Tags	Last Updated↓
16S Workflow with Mothur program 💌		kjetil-klepper	skiskiskiskiski		Oct 17, 2020
NGS Pipeline for Paired End Reads (R1 and R2)		kjetil-klepper	ski ski ski ski ski		Oct 17, 2020
miRNA differential expression (miRBase, hg38)		kjetil-klepper	****	nels	Oct 15, 2020
miRNA differential expression (MirGeneDB, hg38)		kjetil-klepper	****	nels	Oct 14, 2020
COVID-19: PE Variation ▼		kjetil-klepper	****	nels	Oct 13, 2020
Pre-process COVID-19 PE collections ▼		kjetil-klepper	****	nels	Oct 13, 2020
Pre-process COVID-19 PE single sample ▼		kjetil-klepper	dededede	nels	Oct 13, 2020

NeLS - Getting Access

NeLS

Norwegian e-Infrastructure for Life Sciences

Typically > 1TB data

Free < 10TB & <15 mill. NOK

Allocation through Helpdesk: contact@bioinfo.no

Direct upload through Norseq facilities







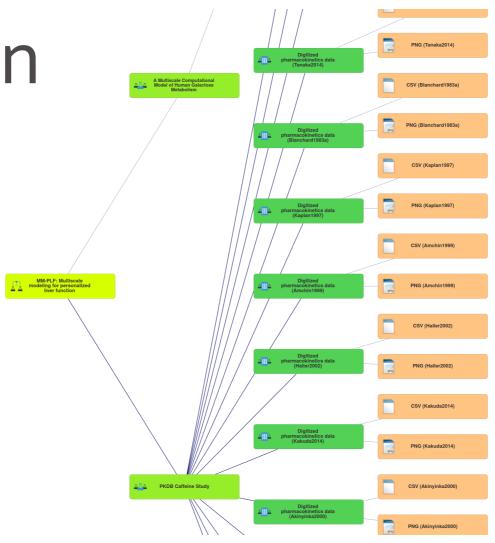
https://seek4science.org/ https://fairdomhub.org/



Investigation

Study

Assay

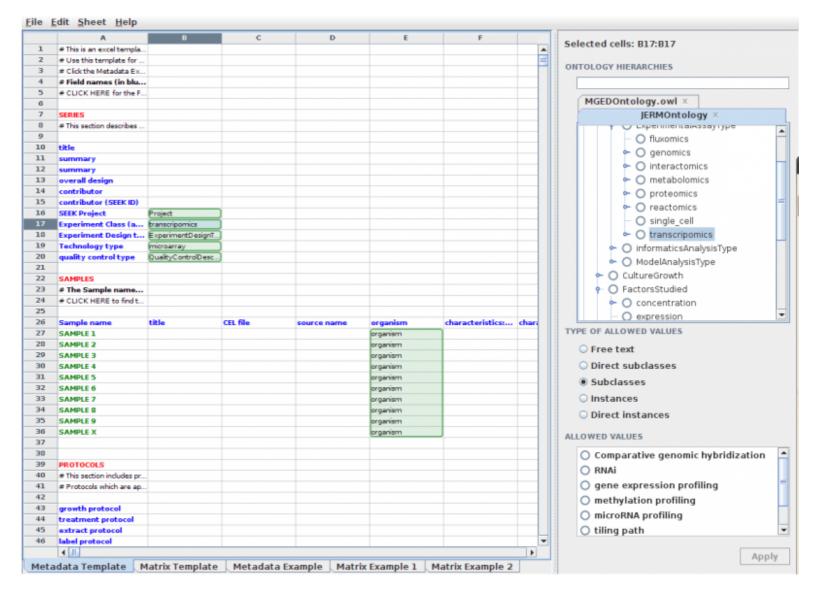


https://seek4science.org/ https://fairdomhub.org/



RightField 1/2 >











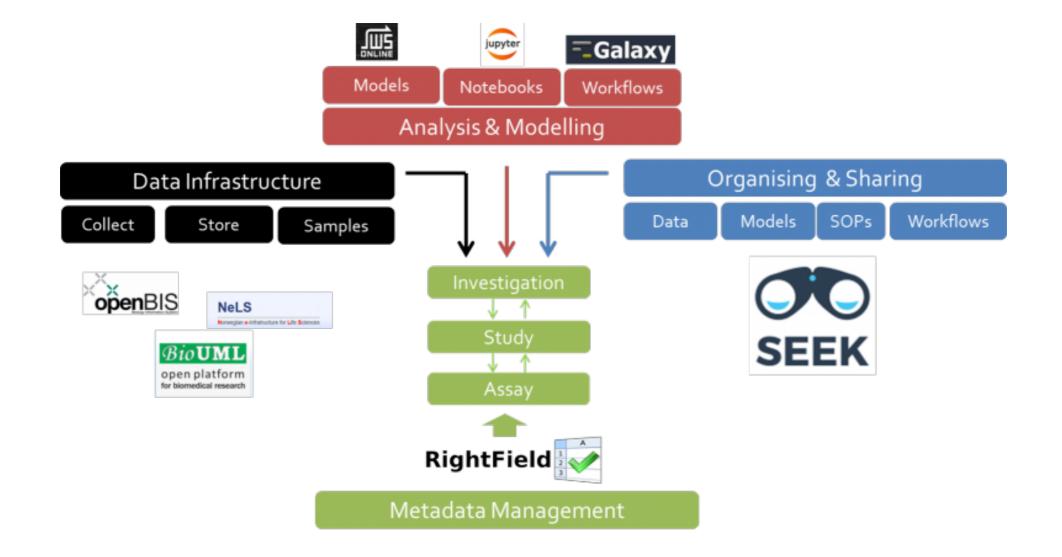
Reference data in NeLS in SEEK



Access data in NeLS through SEEK



Save Metadata to SEEK through NeLS







Maximum classification

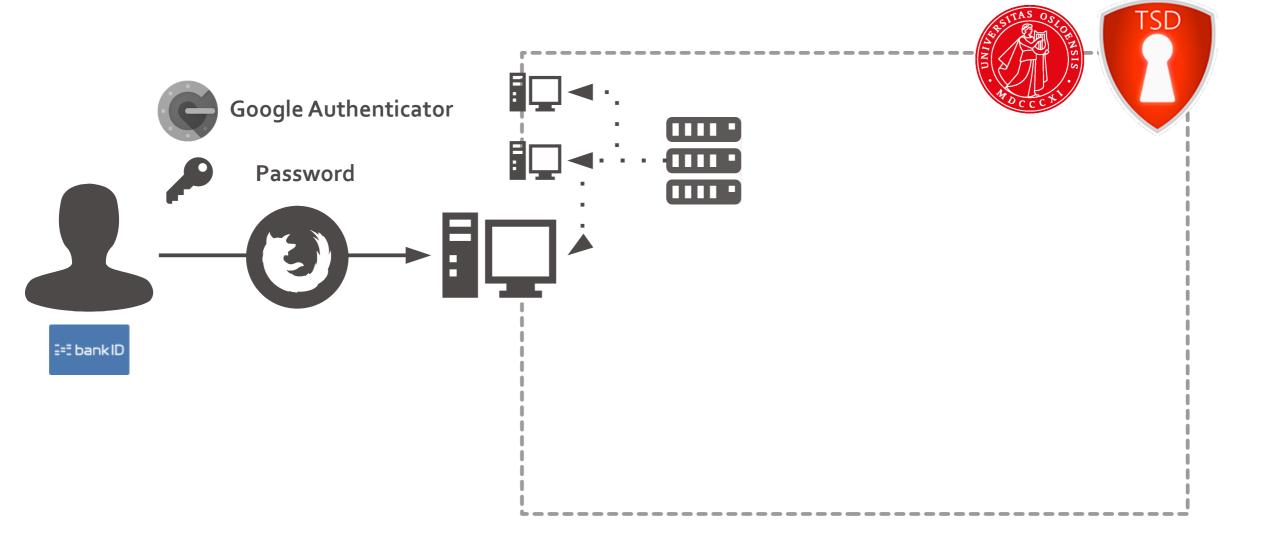
2-factor authentication

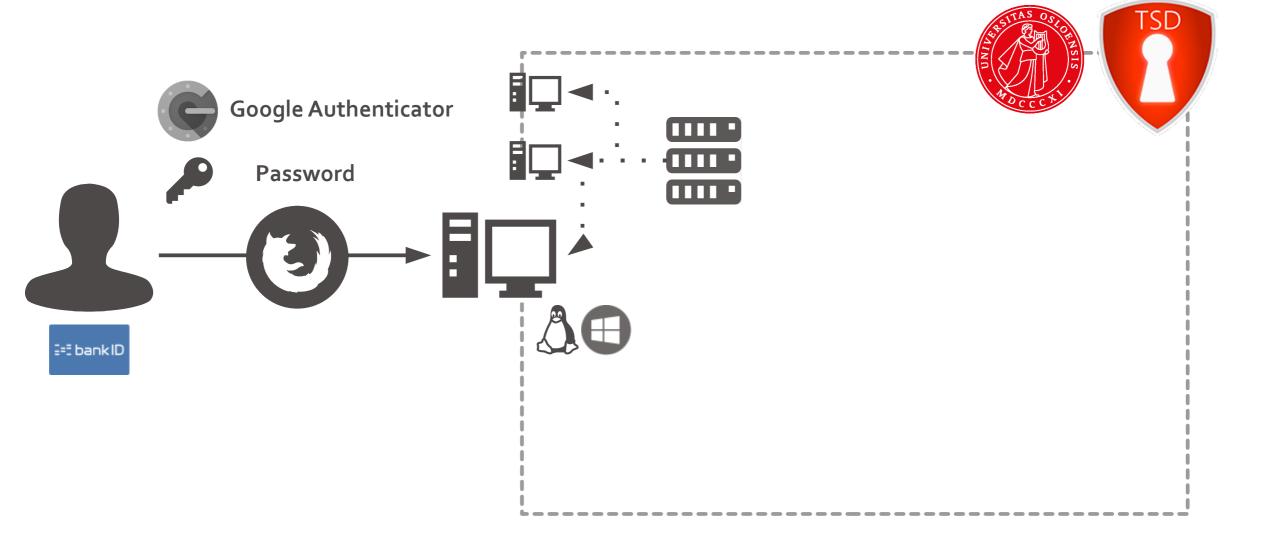
Attached HPC resources

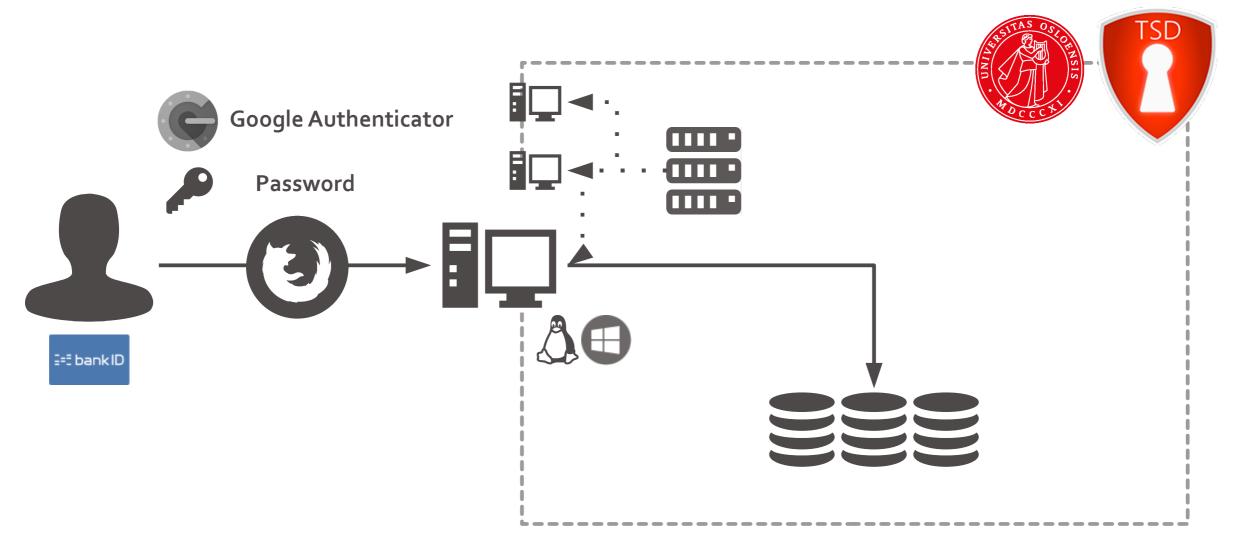


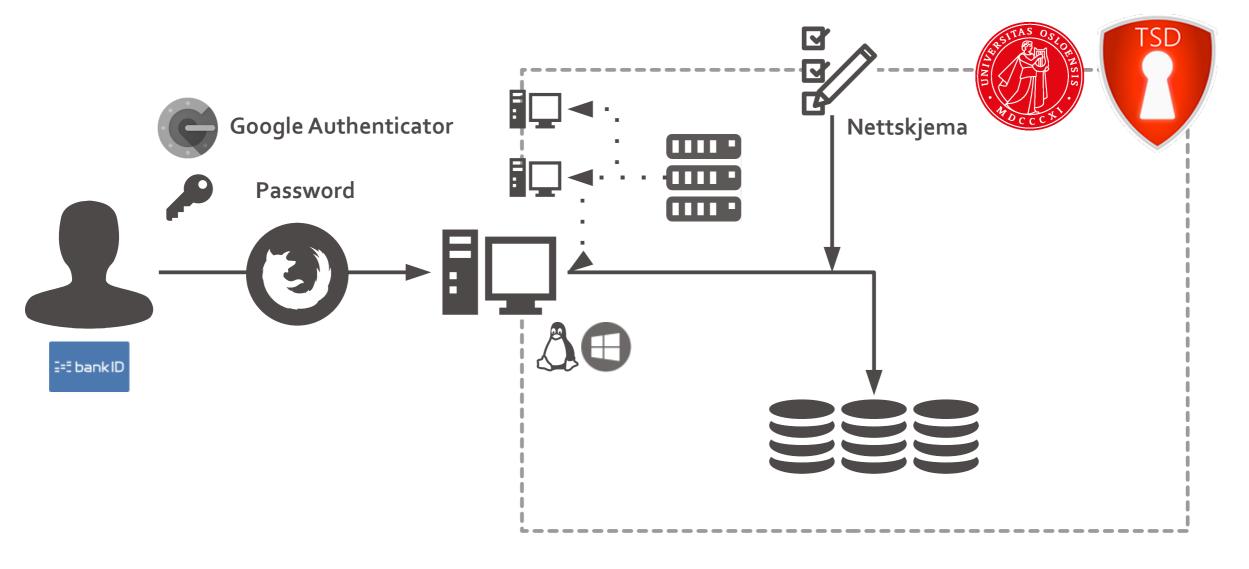


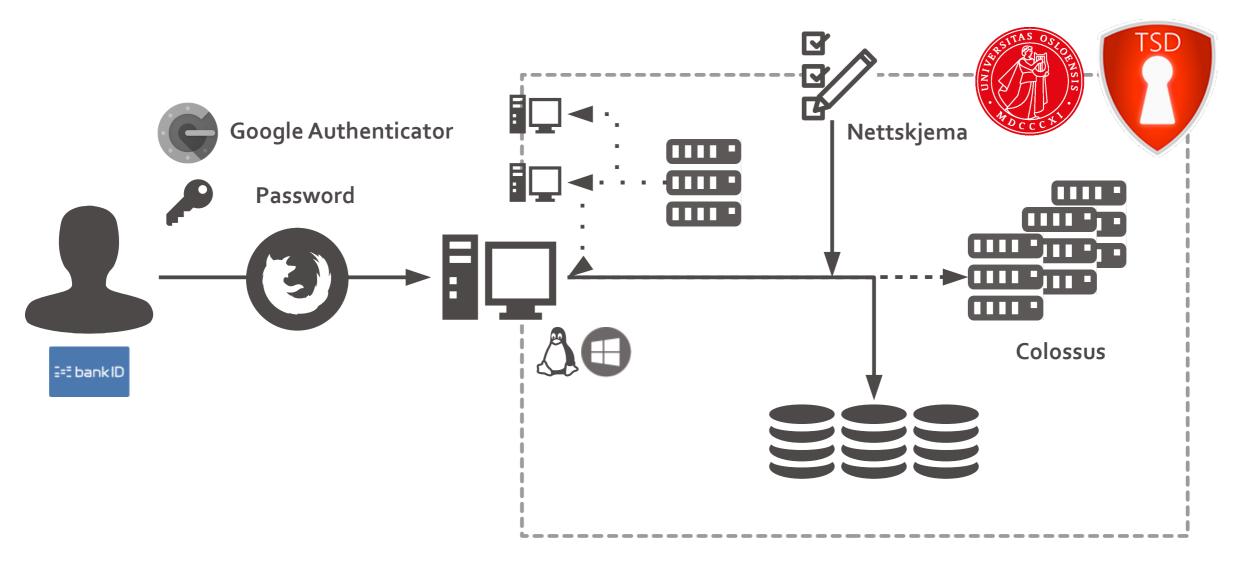












TSD – Getting Access

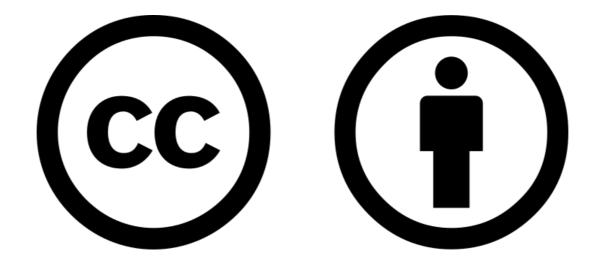




Subsidized access through Sigma2 calls

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

Free storage quotas through NeLS



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