

Danish National center for R&D, test & demonstration and education with focus on **data intelligence and integrated energy systems:** Identifying and utilize flexibilities on demand side across energy systems



Supported by:



Representation in the board



Center Denmark is:

- Digital Innovation Hub by EU Commission (DIH)
- ERA-NET Smart Energy Systems Digital Platform Provider Living Labs & Test beds
- Independent
- non-profit



End of FED - Where are we now?



- A platform to set data free from district heating, water and electricity DSO-layer
- Services that supports energy sector in digitizing and using data on large scale
- Commitment in a portfolio of projects targeting pushing the green transition through digital technologies

Digital infrastructure

- 100 % Open-Source platform
- Apache Hadoop
- Bi-directional and real-time
- Hybrid server setup (physical and cloud)
- Legal framework for GDPR

Data

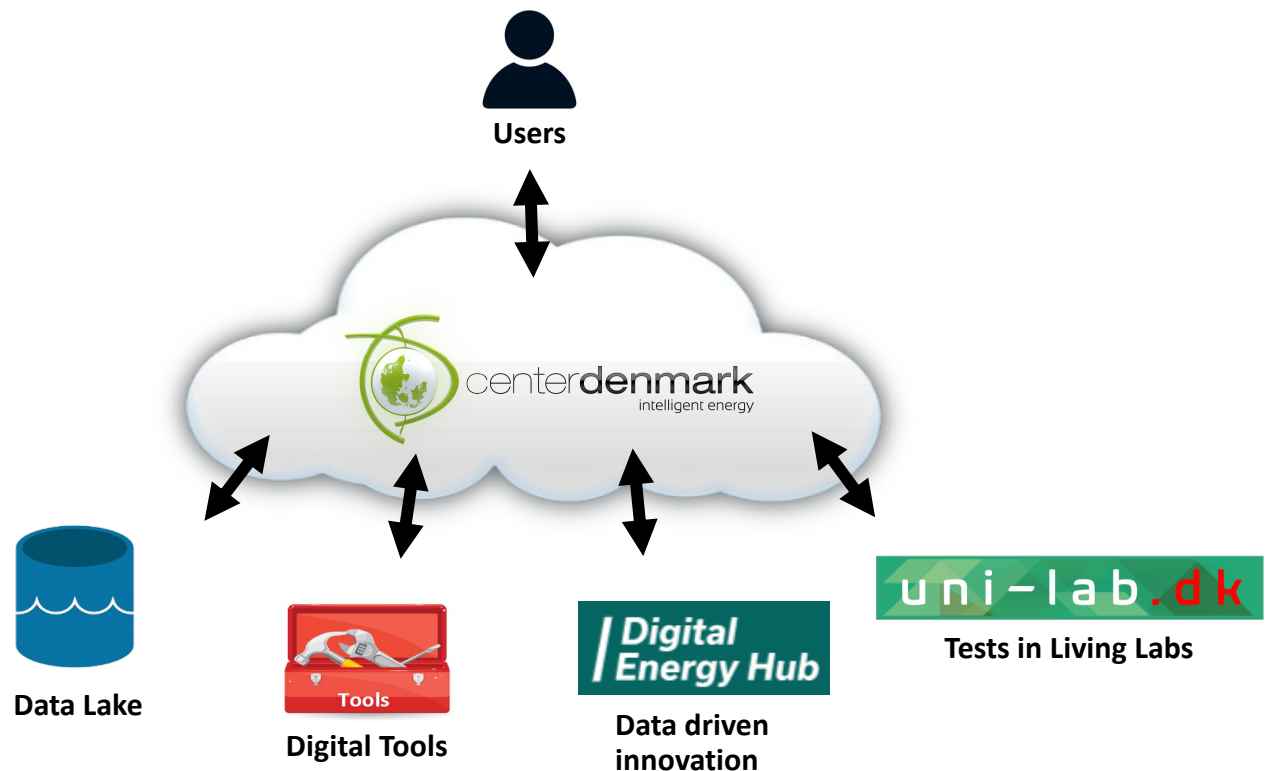
- Consumption and production data: Electricity, water and heat
- Grid data
- Weather, Building and market data

Continuity

- Bringing new knowledge into use



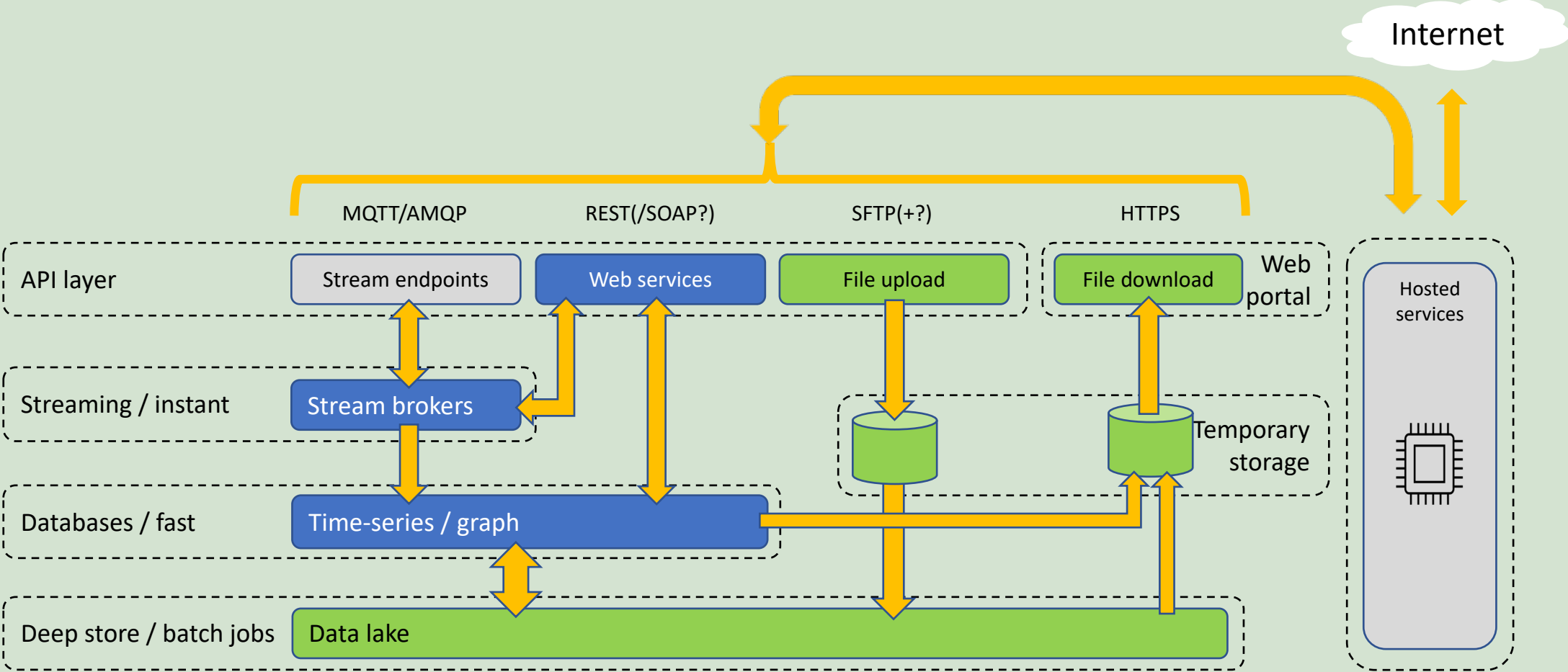
Data driven development



Done

In progress: Q1-2 2023

Expected: Q2 2023



Filters

Sensitivity

Open Anonymous Raw

Category

Electricity Power-to-X District heating Gas Waster water
treatment

All available datasets from Center Denmark collected in one place

25 Results

Open X

Raw X

Electricity X

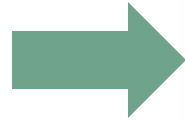
District heating X

X Clear all

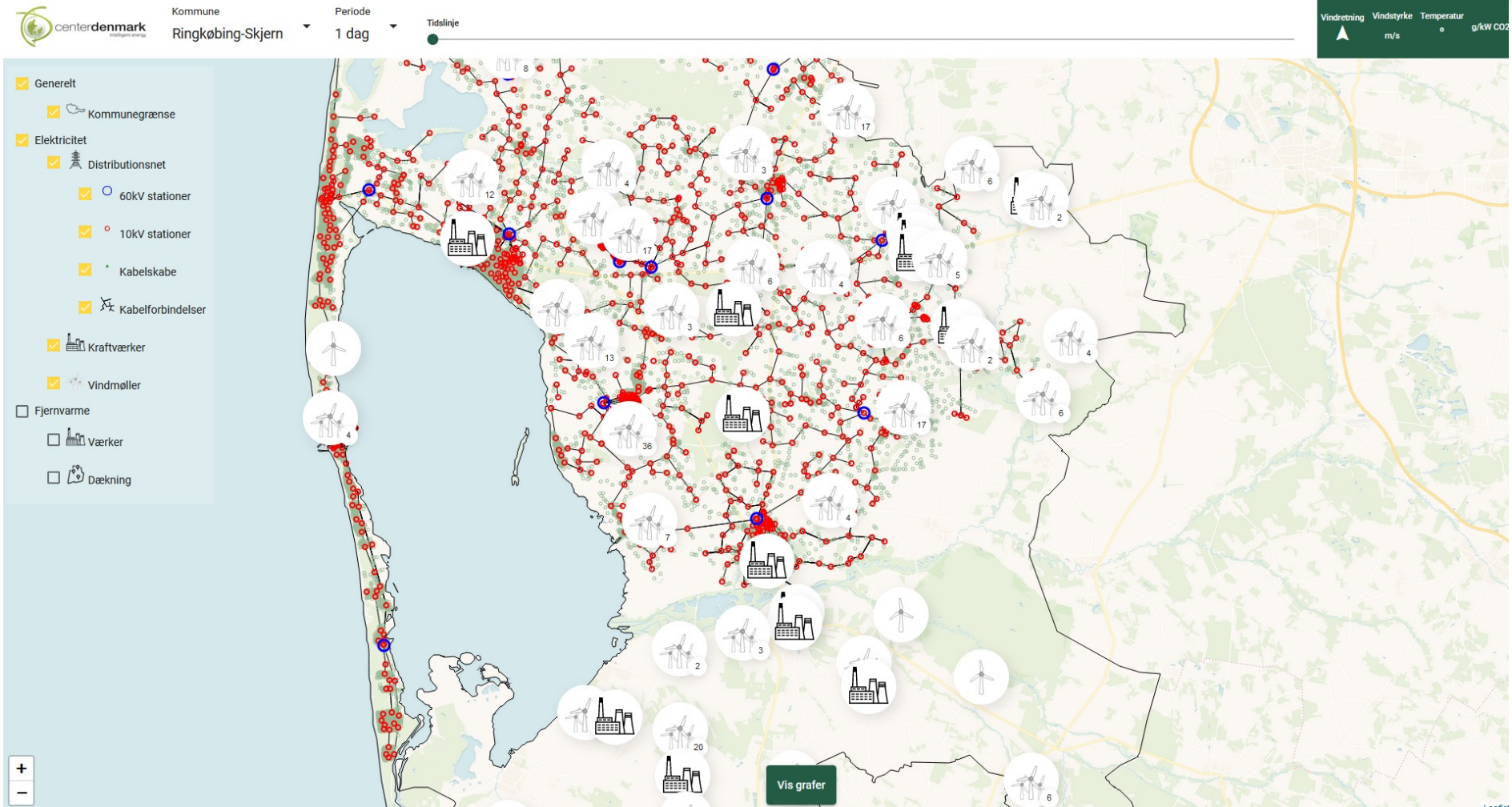


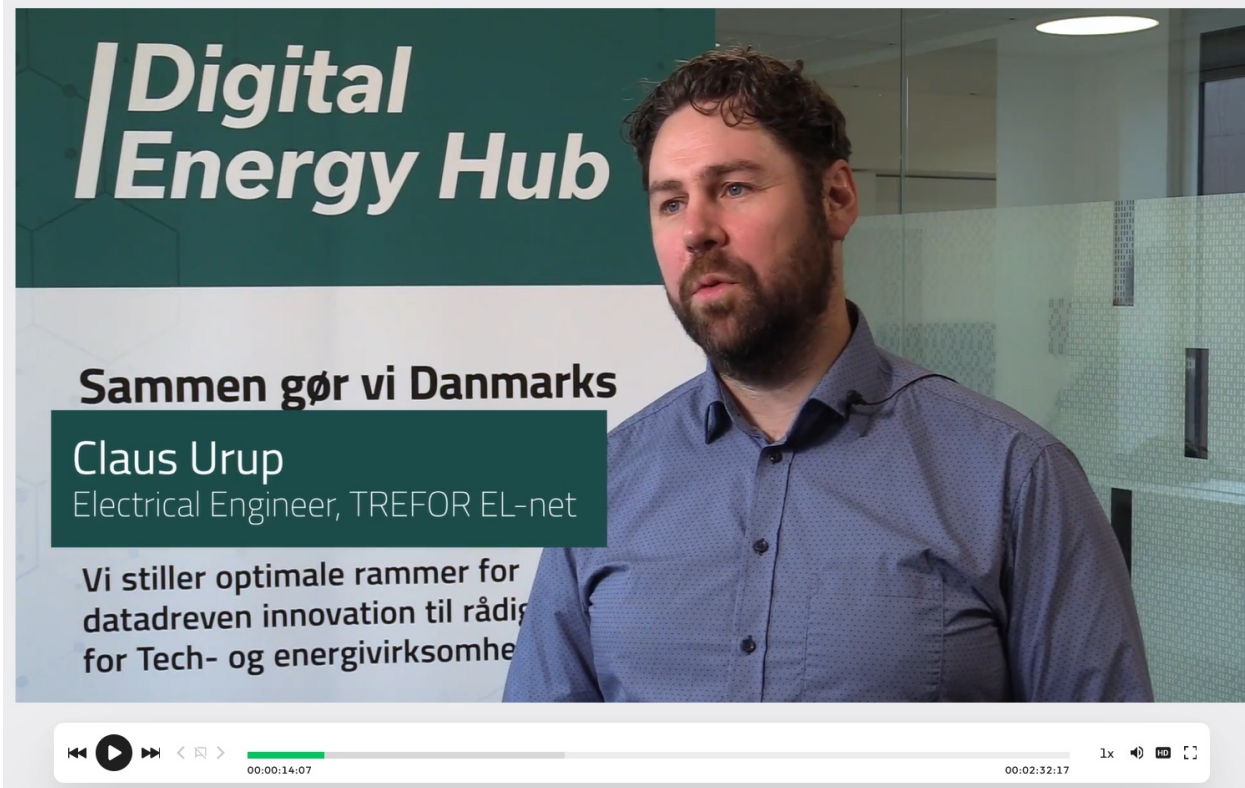
Spatio temporal map-view

Energy Data Cockpit



Spatio temporal map-view





EWii

ENERGINET

KMD

Facilitating partners





*“Digital infrastructure supporting the energy sector
in the the green transition”*



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