



Difi

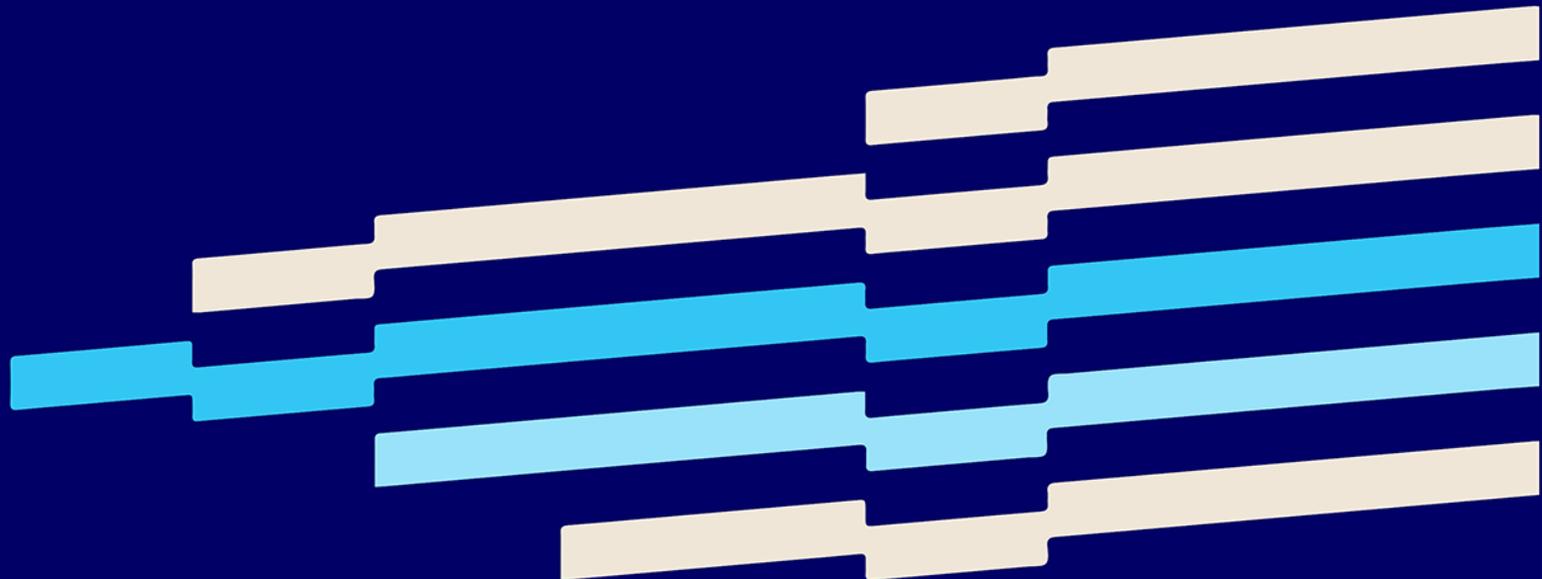
Direktoratet for
forvaltning og ikt

The Norwegian Data Story

- From Open Data to Data Driven

—

Heather Broomfield
Open Data Conference
Dublin
27. Nov 2019



The Norwegian Context



5 356 789

Population



664 483 NOK

GDP per capita



3.7 %

Unemployment



1.8 %

Consumer price index



18 103

Net migration

Public sector in Norway

16

ministries

212

central
government
agencies

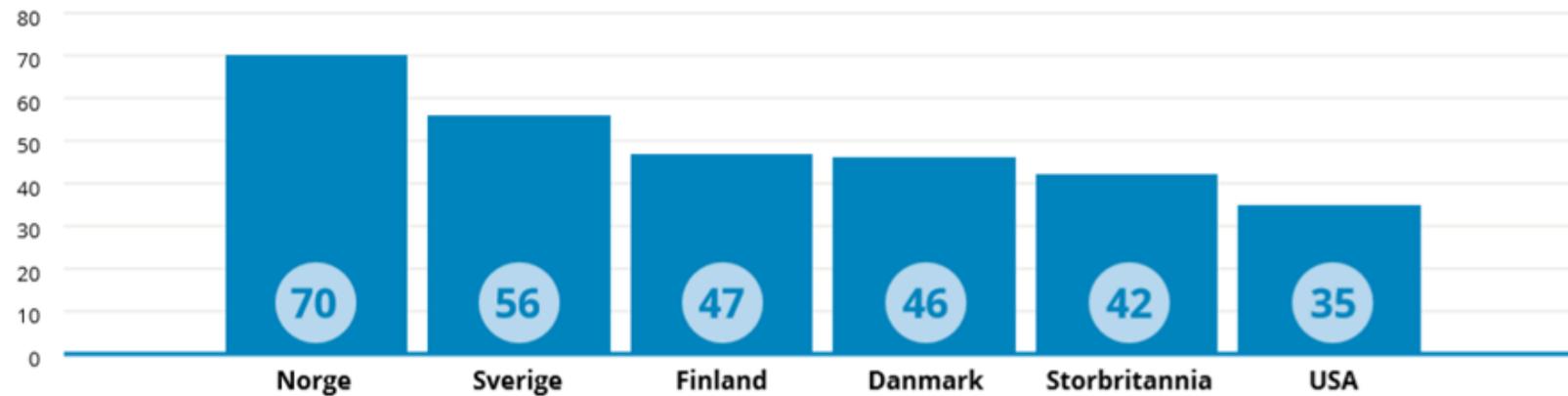
422

municipalities

27 %

of all employed
people
in Norway work in
central, county or local
government
administration

Tillit til myndighetene. Som figuren viser er tilliten til myndighetene i Norge spesielt høy.



Figur 3. Prosentandel som svarte «ja» på spørsmålet «Har du tillit til nasjonale myndigheter?» ("Do you have confidence in national government") i 2014. Source: Gallup World Poll

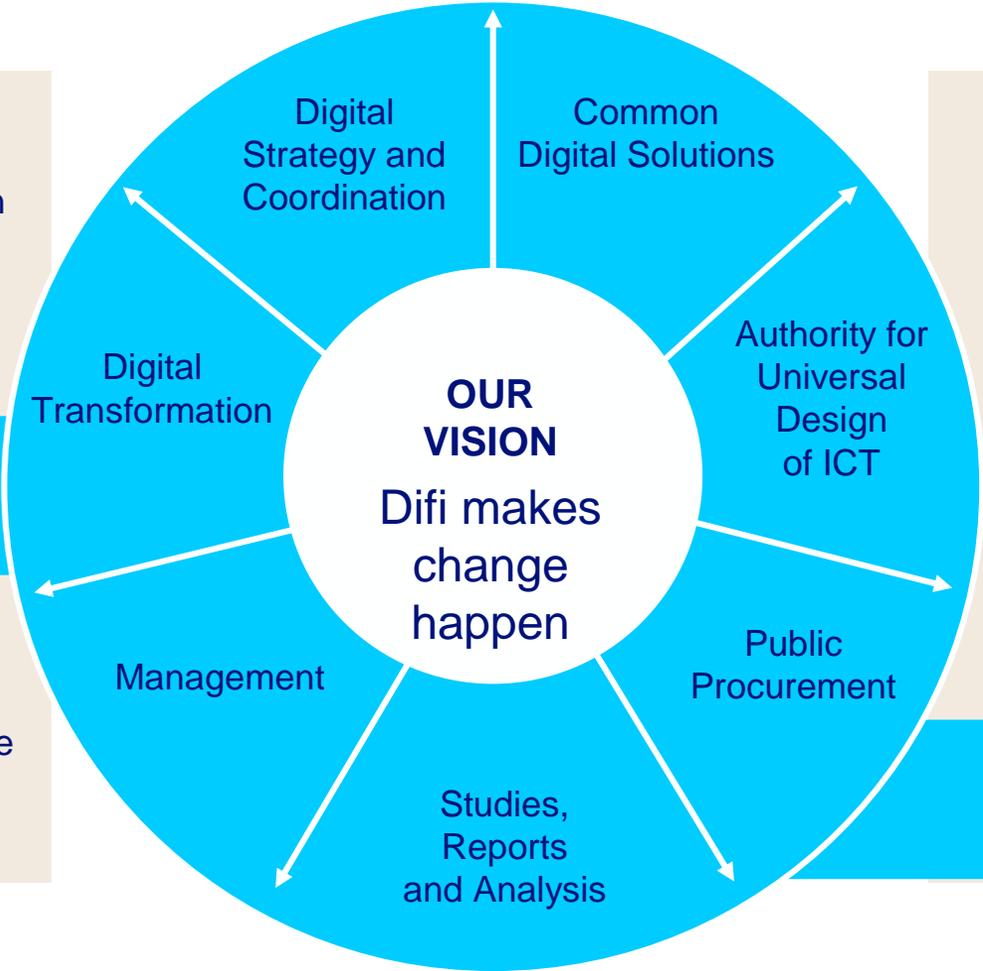
THIS IS DIFI

POLITICAL GOALS:
Efficient, transparent administration to maintain public confidence

Value creation and participation for all

HOW WE WORK

DIFI'S MISSION:
To modernise and change the public sector



- 1 Be the source of knowledge
- 2 Stimulate change and help to realise gains
- 3 Solve common public challenges
- 4 Develop Difi as a change maker

OUR MAIN GOALS

An efficient, user-oriented and coordinated public sector



My ambition is for Norway to be a world leader in the digitalisation of public services.

The goal is that digitalisation will contribute to improved and more accessible public services, increased value creation for businesses and an easier daily life for citizens.

Digitalisation Minister Nikolai Astrup
14. March 2019

Norways Digitalisation Agency 2020

 altinn +  Difi = Digitalisation Agency



Departments

- Management
- Studies, Reports and Analysis
- Public procurement (1. sept. 2020)



Direktoratet for
økonomistyring

Norwegian Government Agency for Financial Management

2011 – 2014: The early years of Open Data

Highly successful but not “core business”

digi.no
IT-bransjens nettavis

«Den utvikling som har skjedd i offentlig sektor de siste tre årene i form av økt tilgjengeliggjøring av offentlige data, er sannsynligvis det viktigste enkelttiltak for å «digitalisere» offentlig sektor.»

Arild Haraldsen

opencorporates

Home About

— Towards a global lookup service for corporate ids

Norway becomes first OGP country to open its company data... and Belgium announces it will too

Posted on [June 12, 2012](#)

A couple of months ago, [OpenCorporates](#) published our [report on access to company data in Open Government Partnership countries](#), which was pretty dire, with the countries scoring an average of just 21 out of 100 points.

Well, today, Norway has boosted that average a bit, by becoming the first Open Government Partnership country to publish its [company register as data](#), and so instantly went from 8th to 1st place on our Access to Company Data scoreboard (the UK has committed to publishing its register as open data in July, but has not yet done so. Update: [it has now done so too](#)).

How open is company data in OGP countries (ordered by score)?

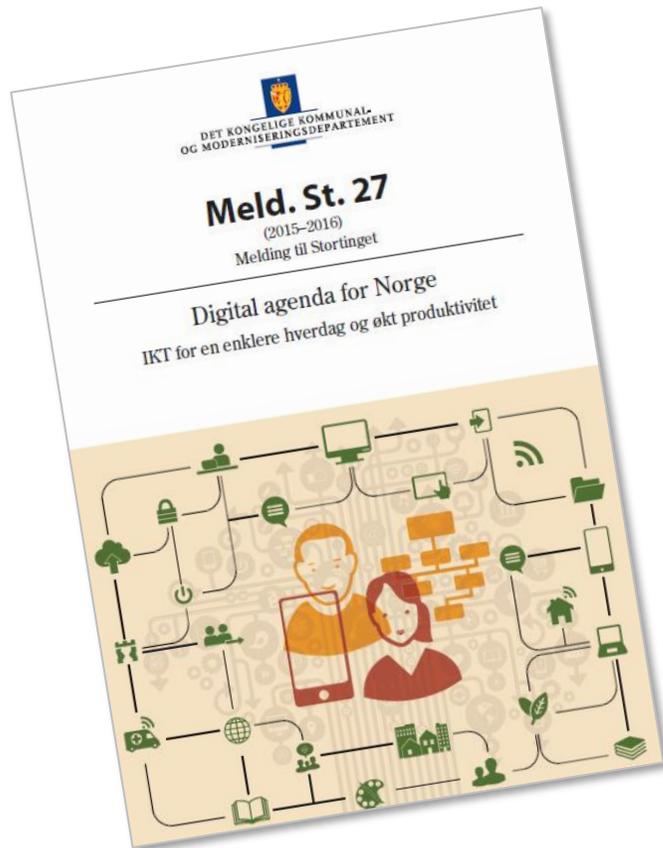
Country	Score
NORWAY	100
UK (LAW)	95
CZECH REPUBLIC	85
SLOVAK REPUBLIC	80
UNITED STATES	75
EL SALVADOR	70
MONTENEGRO	65
PANAMA	60
ARMENIA	55
COLombIA	50
DENMARK	45
GEORGIA	40
LITHUANIA	35
MEXICO	30
BELGIUM	25
NETHERLANDS	20
PERU	15
SOUTH AFRICA	10
SPAIN	5

- Free and open search for a company (10 pts)
- Licensing: Explicit open license > 30, no license info = 0, explicit closed (no access to data) = 0
- Data: Openly licensed data dump available in open api (10 points)
- Outdated data available: Director (10 pts)
- Outdated data available: Statutory filings (10 pts)
- Outdated data available: Shareholders (10 pts)

Collage fra #Hack4NO. Foto: Marit Kjeksrud Amundsen

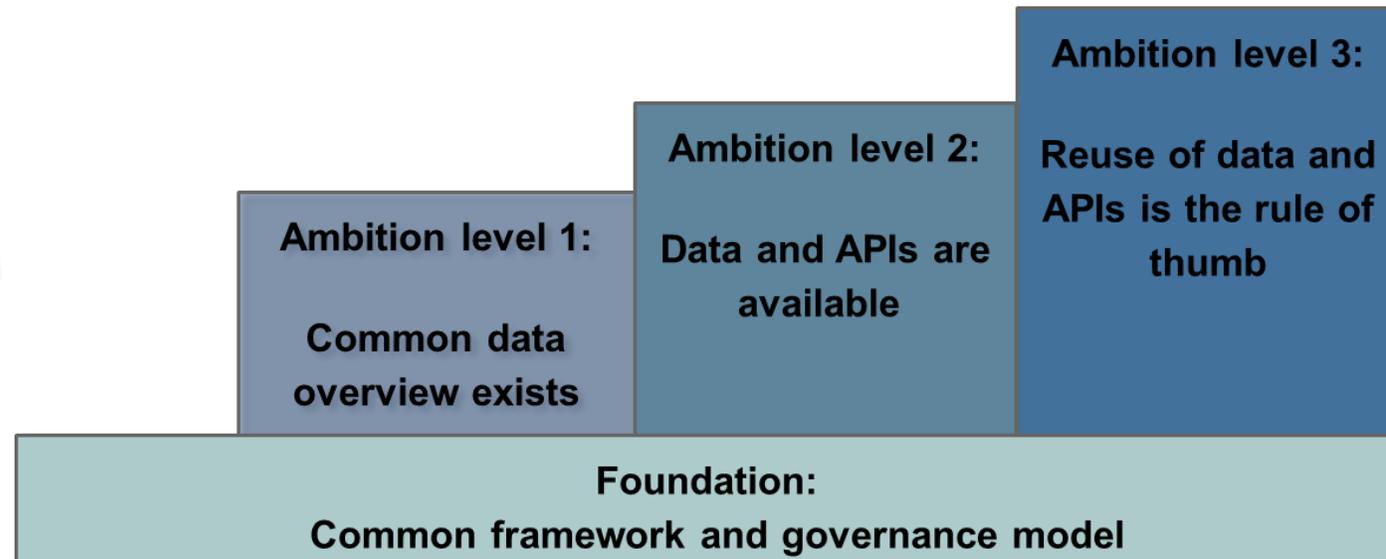
Appen Second Take vant #Hack4NO, i sterk konkurranse fra de 14 bidragene som ble

2015 – 2016: Digital agenda



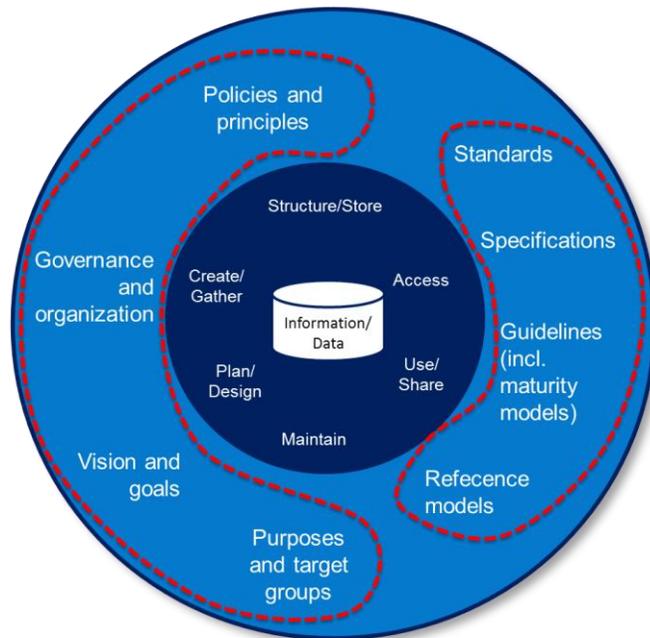
Core business = Digital Public Services

/// *Data shall be created only once, maintained in one source, and reused. Reuse is the main rule when developing new digital services. This includes reuse of services, data and descriptions.* ///



We don't talk open data, we talk types of data

Information Management Framework



Green

Publicly accessible by everyone. .

Amber

Only available under certain conditions. Usage note: This category may include resources that require payment, resources shared under non-disclosure agreements, resources for which the publisher or owner has not yet decided if they can be publicly released.

Red

Not publicly accessible for privacy, security or other reasons.

Datasets (1306)

APIs (110)

Concepts (3483)

Information models (581)

Relevance

Recently published

Provider ^

- Private (88) v
- Central authority (20) v
- Other (1) v
- Municipality (1) v

Format ^

- application/json (98)
- application/jose (88)
- Unknown (12)
- application/xml (2)
- */* (1)

[Show more](#)

Government and public sector (521)

API catalog

Provider: OSLO KOMMUNE ORIGO DIGITALSERINGSSENHET

Authoritative source

An API for registering and managing APIs in a catalog

Format: application/json, */*, application/text, text/plain



Free



Public access



Open license

eBevis Production

Provider: Brønnøysundregistrene

Authoritative source

API for eBevis - production environment

Format: application/json



Free



Not public access



Open license

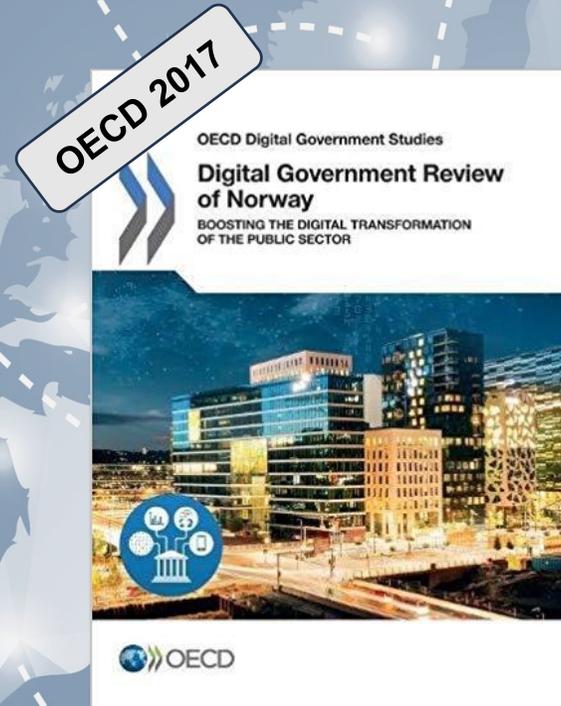
Tilbakemelding

2017: OECD Digital Govt. Review of Norway

“Open government data should be assumed, at the political and policy-making level, as part of a broader data-driven public sector policy, a building block of the overall digital transformation of the public sector, and a driver of the digital economy in Norway.”

“The willingness to develop a data-driven public sector in Norway seems to be mostly more a long-term, forward-looking desire than a reality at the moment.”

Core business = data driven

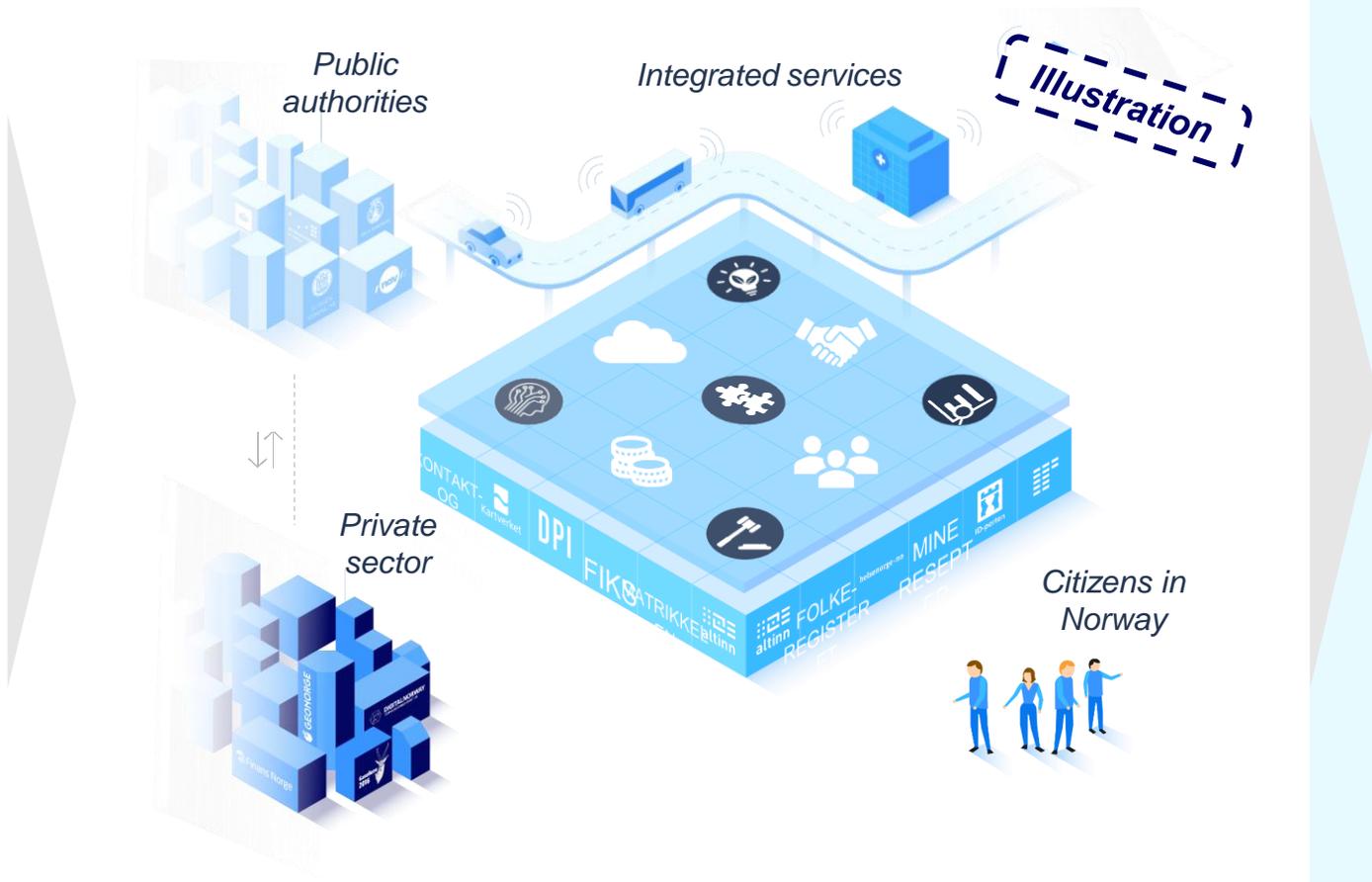


2018: Platform for data sharing – a concept study

Focused efforts in the following dimensions...

-  **Governance and financing**
-  **Technology and availability**
-  **Legislation**
-  **Culture and competence**
-  **Usage**

... will lead to increase in data sharing within the public sector and with the private sector...



... which will greatly benefit the society.

-  **Public authorities**
Efficiency of processes
-  **Private sector**
Public data for business development
-  **Citizens in Norway**
Relevant and integrated services



Digitaliseringskonferansen

LET'S BUILD THE FUTURE WITH DATA!

11.–12. JUNI 2019

Thon Congress Gardermoen



Launching Norway's Digitisation
Strategy 2019

2019: Digitalisation strategy for the public sector



FÅ BARN



ALVORLIG
SYKT BARN



MISTE OG
FINNE JOBB



NY I NORGE



STARTE OG DRIVE
EN BEDRIFT



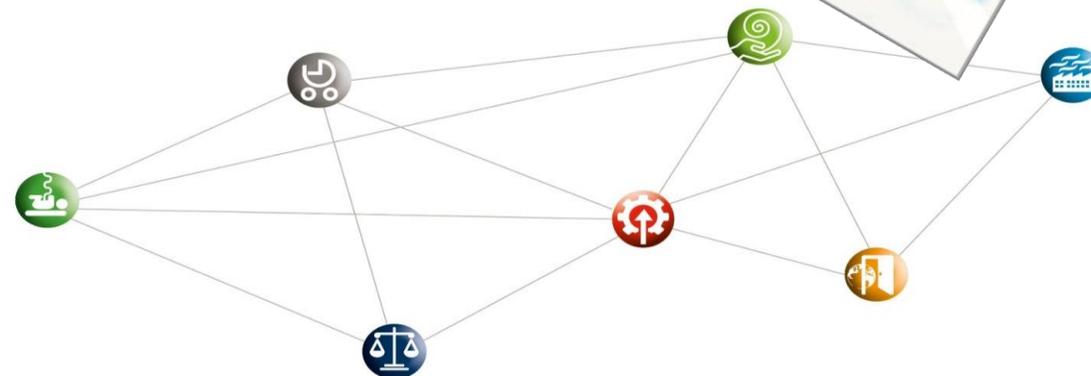
DØDSFALL
OG ARV



STARTE OG DRIVE
EN FRIVILLIG
ORGANISASJON

Prioritised areas

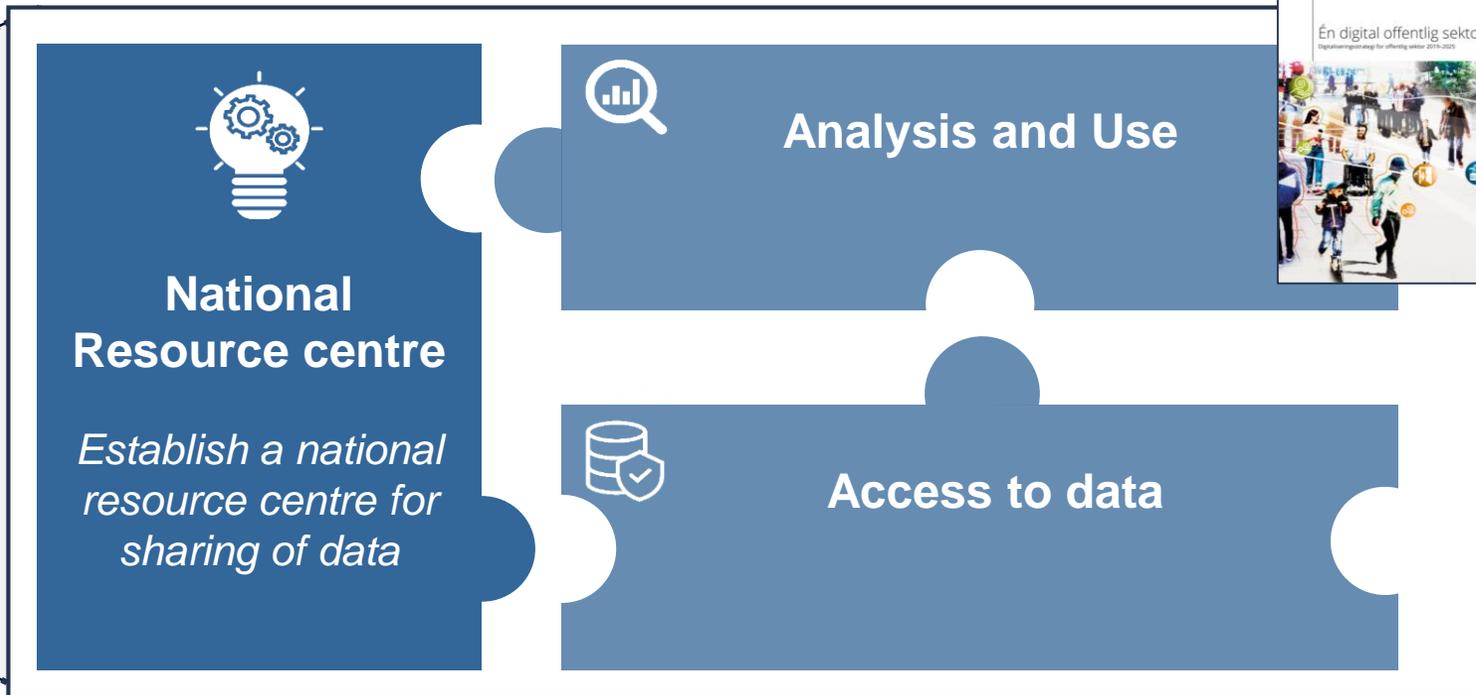
- Coordinated Services
- **Increased data sharing and value creation**
- Clear and digitisation friendly regulation
- Ecosystem for digital cooperation
- Coordinated steering
- Increased public-private partnership
- Increased digital competence in public sector
- Cyber security



Three focus areas for sharing of data project



-  Legal and regulatory
-  Organisational
-  Semantic
-  Technical



What will the national resource centre work with?

Operate at all levels of EIF...



Legal and regulatory



Organisational



Semantic



Technical

The centre will...



Identify legal barriers and build legal competence



Define roles and responsibilities between the data provider and consumer

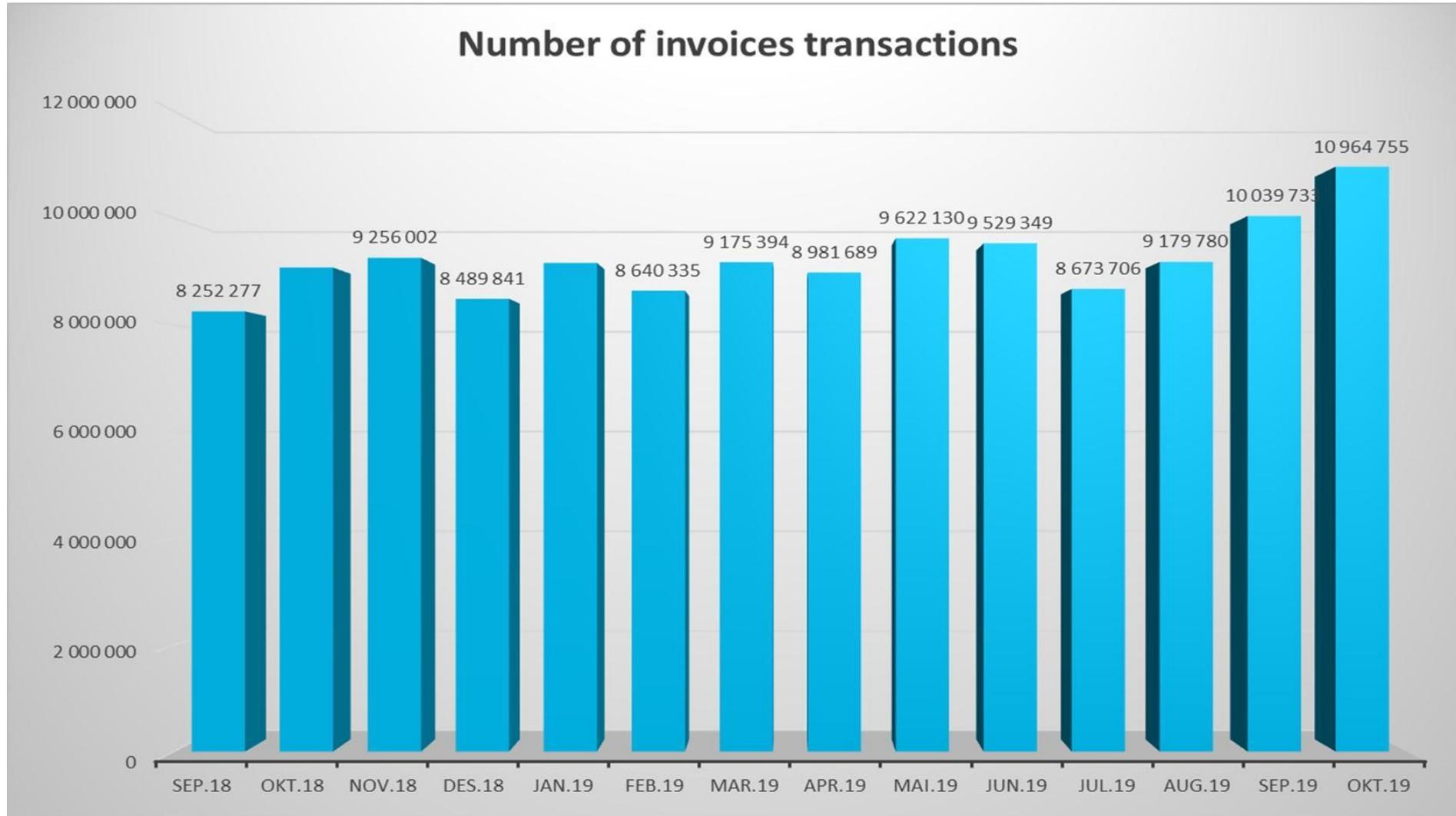


Define and share key concepts so that data will be understood by both provider and consumer.



Create and adopt standards, communicate best practice and support for technical sharing of data

E-invoicing made possible with open company data



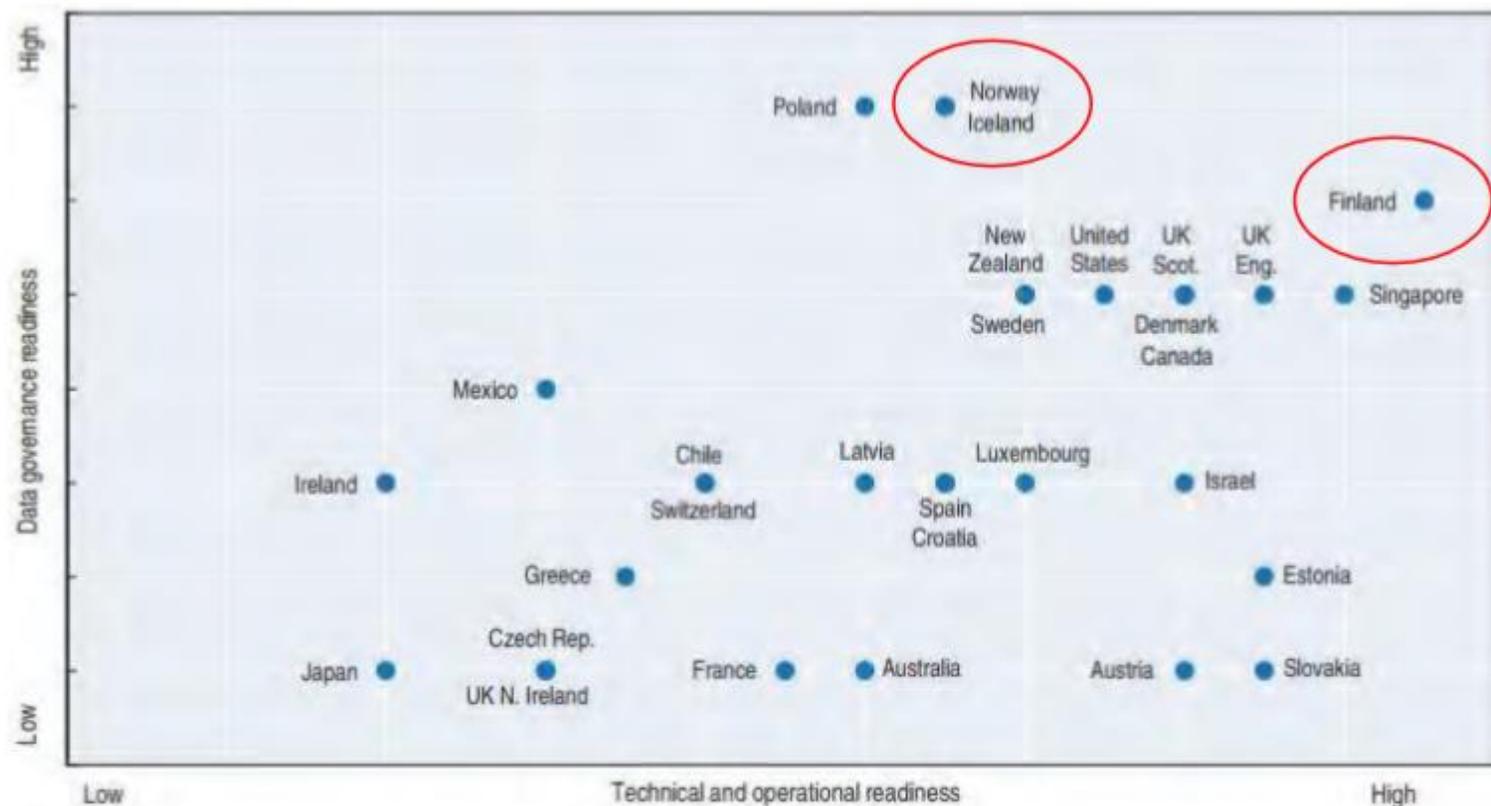
Estimated savings of 18 minutes per invoice

Norway is comparatively efficient at collecting health data, but less adept at using it than our neighbors

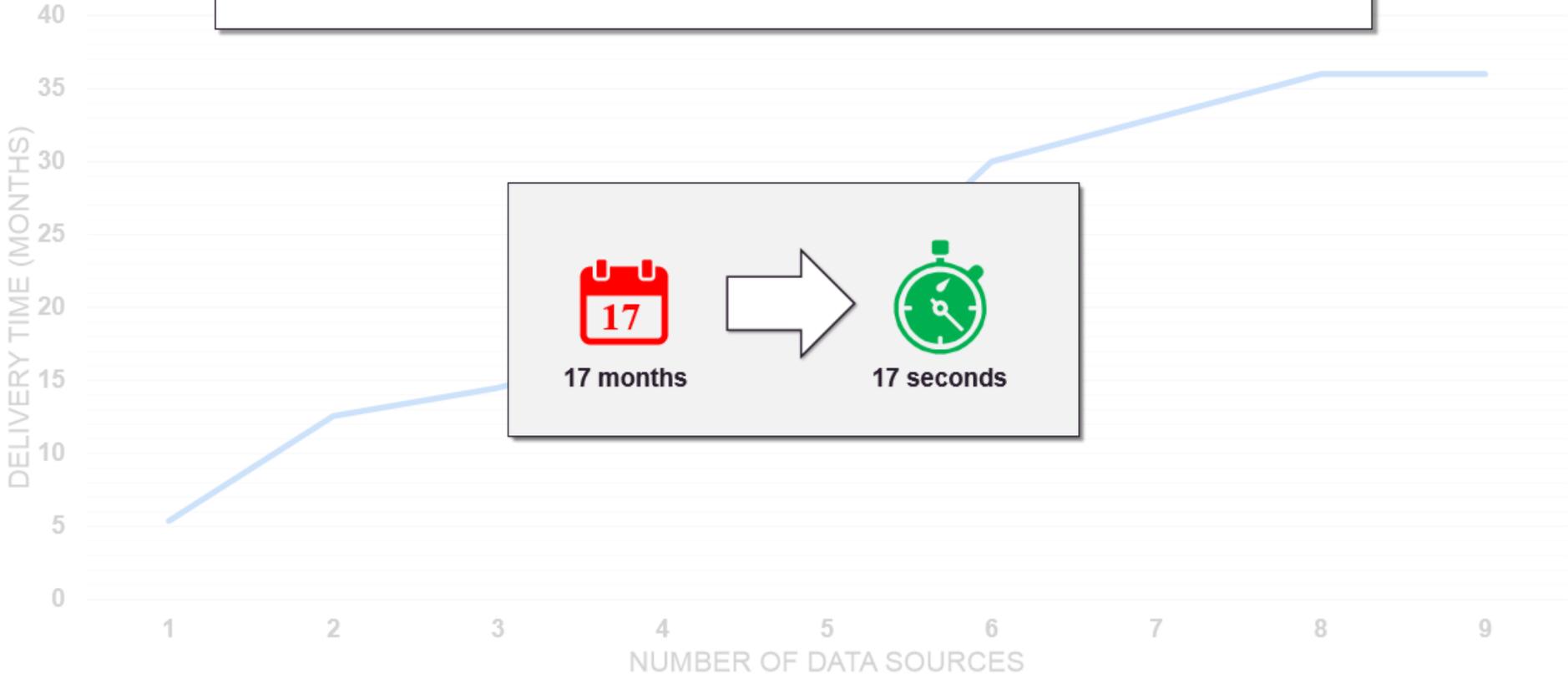
Data governance readiness



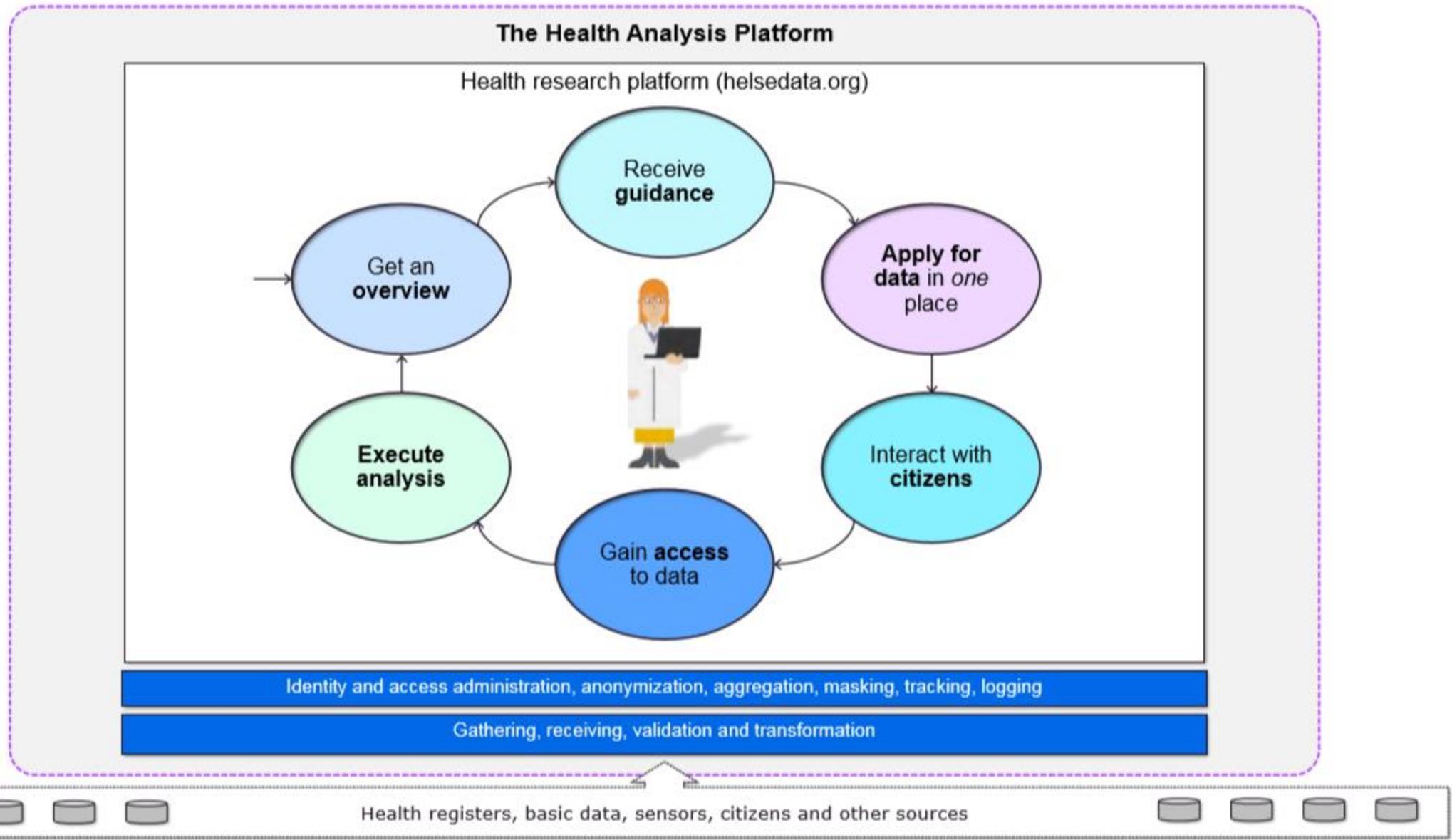
Technical and operational readiness



From data distribution to self-service analysis?



What can researchers expect from The Health Analysis Platform?

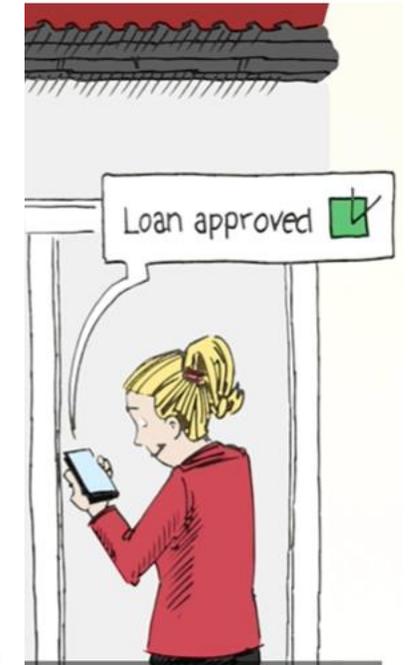
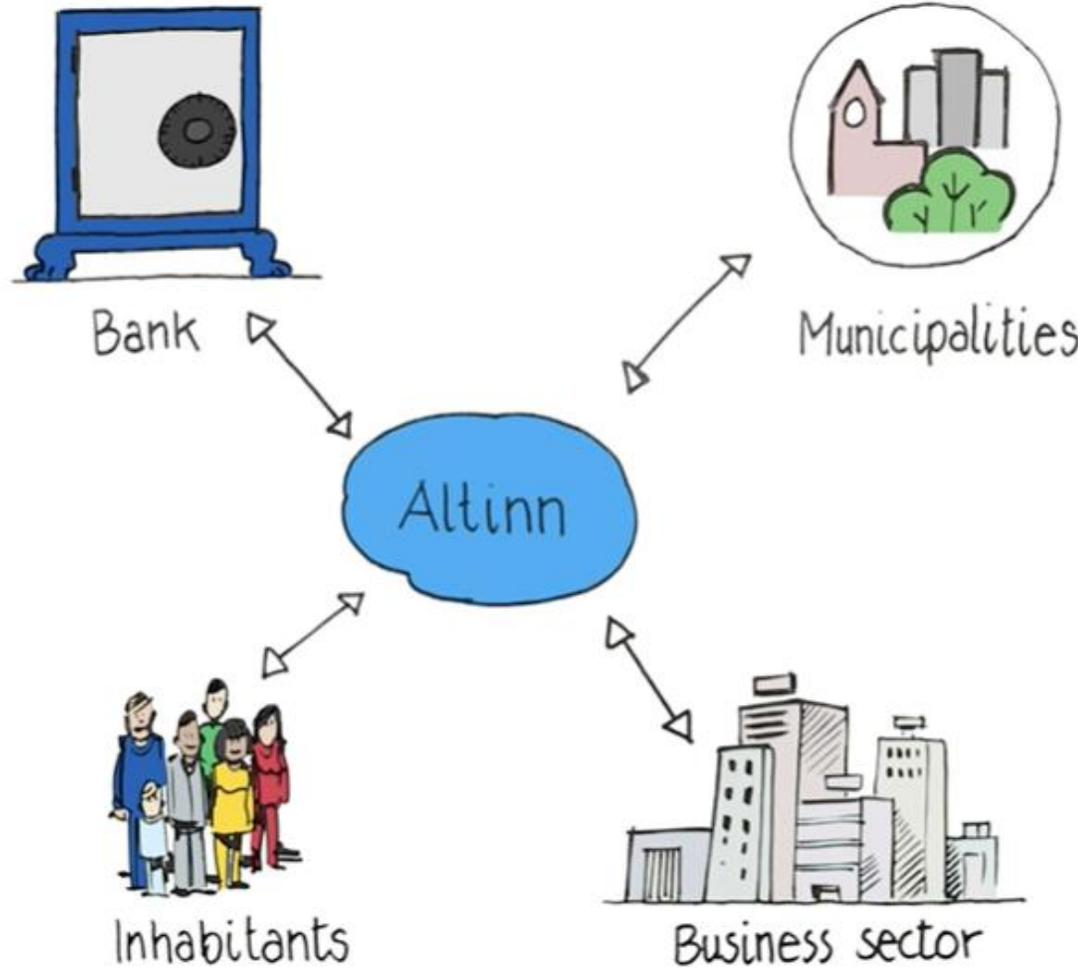


Public-private data sharing



DSOP

Digital Collaboration
Public - Private



Not just open data but also personal data

PhD – Responsible Data-Driven Government

How can the adoption of Artificial Intelligence in the public sector be governed, to ensure that the democratic values so central to the Norwegian public sector are maintained and preserved?

