The Danish Basic Data Program, the Data-Distributor (Datafordeleren) and the Covid-19 Pandemic
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Introduction

- The Danish public authorities register core information about
    - individuals,
    - businesses,
    - real properties and buildings,
    - addresses, maps and geography.

- This information, called Basic Data, is used every day throughout the public sector.

- High-quality Basic Data is an essential basis for the authorities to perform their tasks properly and efficiently across units and sectors.

- Basic Data is used in a wide range of areas also in the private sector: i.e. in real estate, insurance, financial and telecom sectors.

What were the aims of the Basic Data Program?

The program aimed at securing:

- free, fast and reliable access to public Basic Data,

- enhanced quality and coherent Basic Data updated once and for all at one place,

- increased effectiveness and high-quality public administration through standardized data and interfaces,

- innovation, growth and job creation through opening up for new ways of using and combining public authoritative data,

- a reduction of costs through the use and the sharing of public data.

The 4 pillars of the Program

1. Making Basic Data freely available for everyone.

2. Standardizing Basic Data:
   - The Datamodelling Project

3. Improving the quality of Basic Data and adding new data, where needed:
   - The Real Property and Address Data Projects

4. Improving the availability of Basic Data through a shared and efficient distribution platform:
   - The Data-Distributor Project

Timeline of the Basic Data Program

- 2012 Agreement between the Danish government, the municipalities and the regions on the program
- 2012 Basic Data are made freely available
- 2013 Upstart of the program
- 2013 Development of the Basic Data-datamodel
- 2014 Tender for the development of the Data-Distributor
- 2016 The development of the Data-Distributor-platform is finished and the configuration of the registers begins
- 2017 The first registers are deployed into production
- 2019 The address-data-registers are deployed into production
- 2020 The real-property-data-registers are deployed into production
- 2020 After the deployment of the geodata-registers the partners declare the program for successfully completed

Data-Distrubutor Usage: Web-service calls 2020-2022
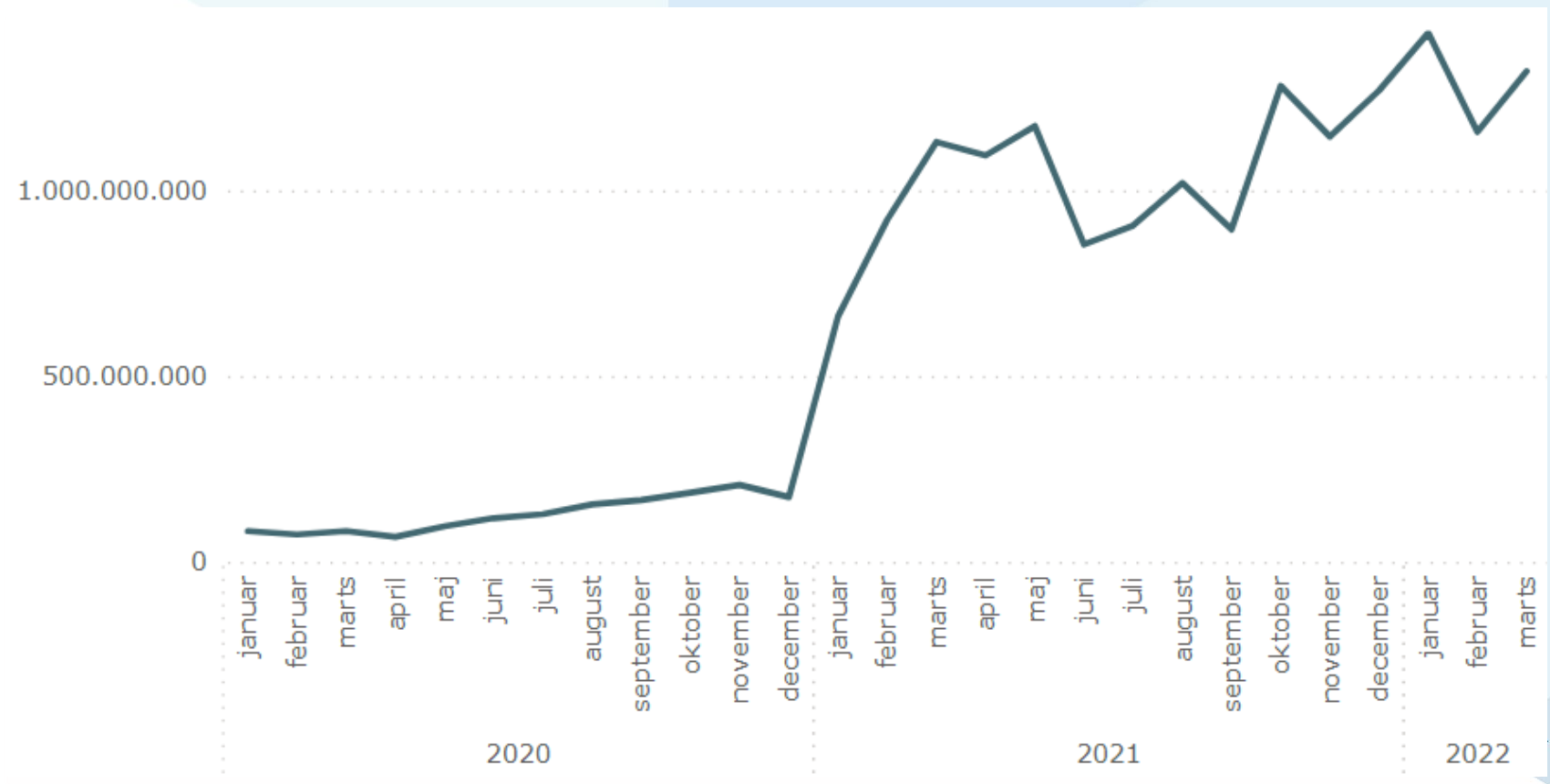
Web-service calls to geodata-registers

Webservice kald pr. register pr. måned Sum af Kald i alt i tusinder											
Register	Feb.21	Marts.21	April.21	Maj.21	Jun.21	Juli.21	Aug.2021	Sep.2021	Okt.2021	Nov.2021	Dec.2021	Jan.2022
Det Centrale Personregister	13.440	30.625	29.729	37.738	32.522	36.400	45.538	40.298	61.492	74.690	68.679	113.232
Det Centrale Virksomhedsregister	44.802	43.391	51.528	35.124	35.348	32.931	37.287	34.170	35.957	31.312	31.006	21.342
Danmarks Adm. Geografiske Inddeling	774	1.005	903	956	1.298	2.656	2.903	3.643	4.212	3.275	2.226	3.298
Danmarks Højdemodel	7.345	5.574	1.274	1.563	1.229	1.105	1.923	2.033	3.054	2.722	39.970	55.338
Danske Stednavne	253	423	282	252	180	213	212	239	242	226	9.830	27.492
GeoDanmark (5.1 og Vektor)	1.905	2.036	1.752	2.065	3.886	4.981	6.388	7.182	7.857	6.055	5.426	6.029
Skærmkortet	672.508	905.547	875.432	930.180	610.089	649.103	720.929	609.588	717.151	786.213	892.037	859.654
Danmarks Adresseregister	7.982	9.509	14.950	21.685	16.809	23.627	23.563	22.867	27.999	17.348	20.437	17.565
Matriklen	7.983	10.269	13.381	15.627	15.558	13.936	18.028	21.560	33.675	52.979	43.127	69.493
Ejendomsvurdering	2.428	68	76	73	694	2.245	204	218	18.234	435	752	2.781
Ejendomsbeliggenhedsregistret	1.883	1.631	1.011	412	420	434	1.103	718	757	1.011	1.325	1.294
Bygnings- og Boligregistret	22.056	17.992	25.850	17.992	11.799	24.961	27.451	27.736	123.720	15.507	37.791	23.955
Ejerfortegnelsen	22.062	10.687	7.145	10.687	9.951	16.205	15.002	11.030	80.060	10.089	9.078	19.207
Danmarks Topografiske Kortværk	119	633	113	128	102	501	176	141	197	143	1.091	1.187
Fikspunkter	103	122	132	122	118	128	149	163	165	110	170	170
GeoDanmark Ortofoto	135.718	155.167	118.490	127.562	127.646	108.736	135.972	127.641	189.408	177.579	160.091	276.739

Who uses Basic Data?

Basic Data is used every day in a wide range of areas within the public administration as well as in the private sector:
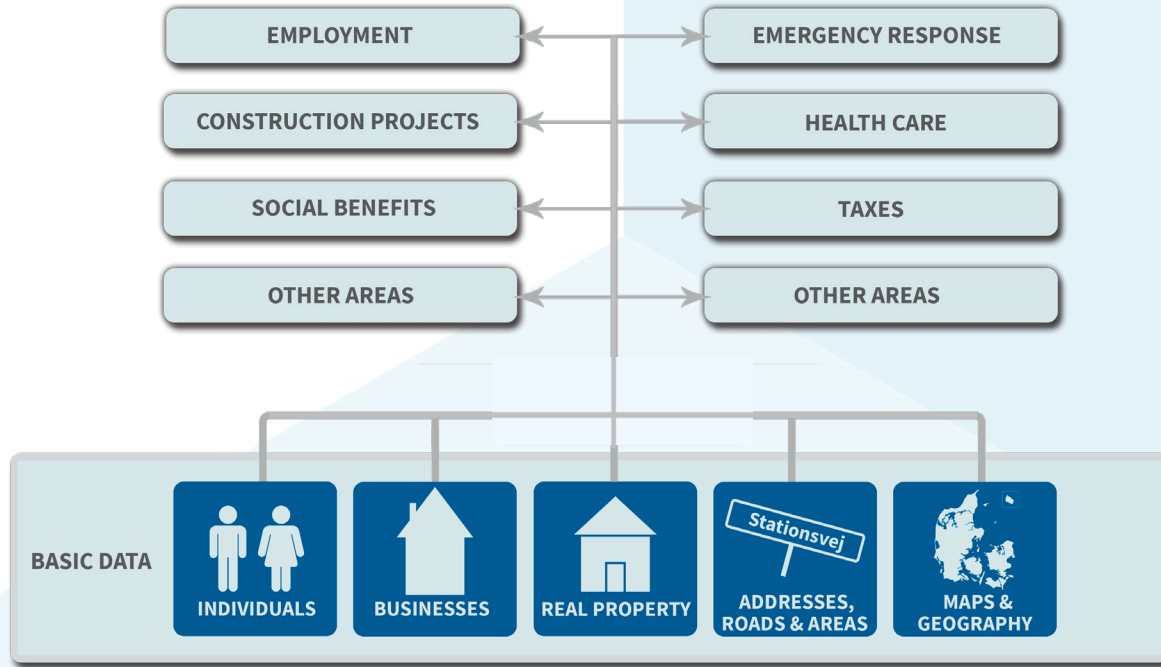
Some main users:

e-nettet represents the financial sector with a focus on business processes related to trading, financing and mortgaging properties

KOMBIT represents the municipalities focusing on public administration of properties regarding ownership, taxes, assesment, and cadastre (land registration)

Danish Ministry of Taxation - Implementation Center for Property Assessments (ICE) has the task of developing a new assessment act, assessment models for property, collecting data, developing a new IT system and designing processes and establishing a new property valuation organization.

ATP represents Udbetaling Danmark which is a public authority in charge of a number of public services – as different pension schemes, family and maternity benefits.

Finding a new home: boliga.dk
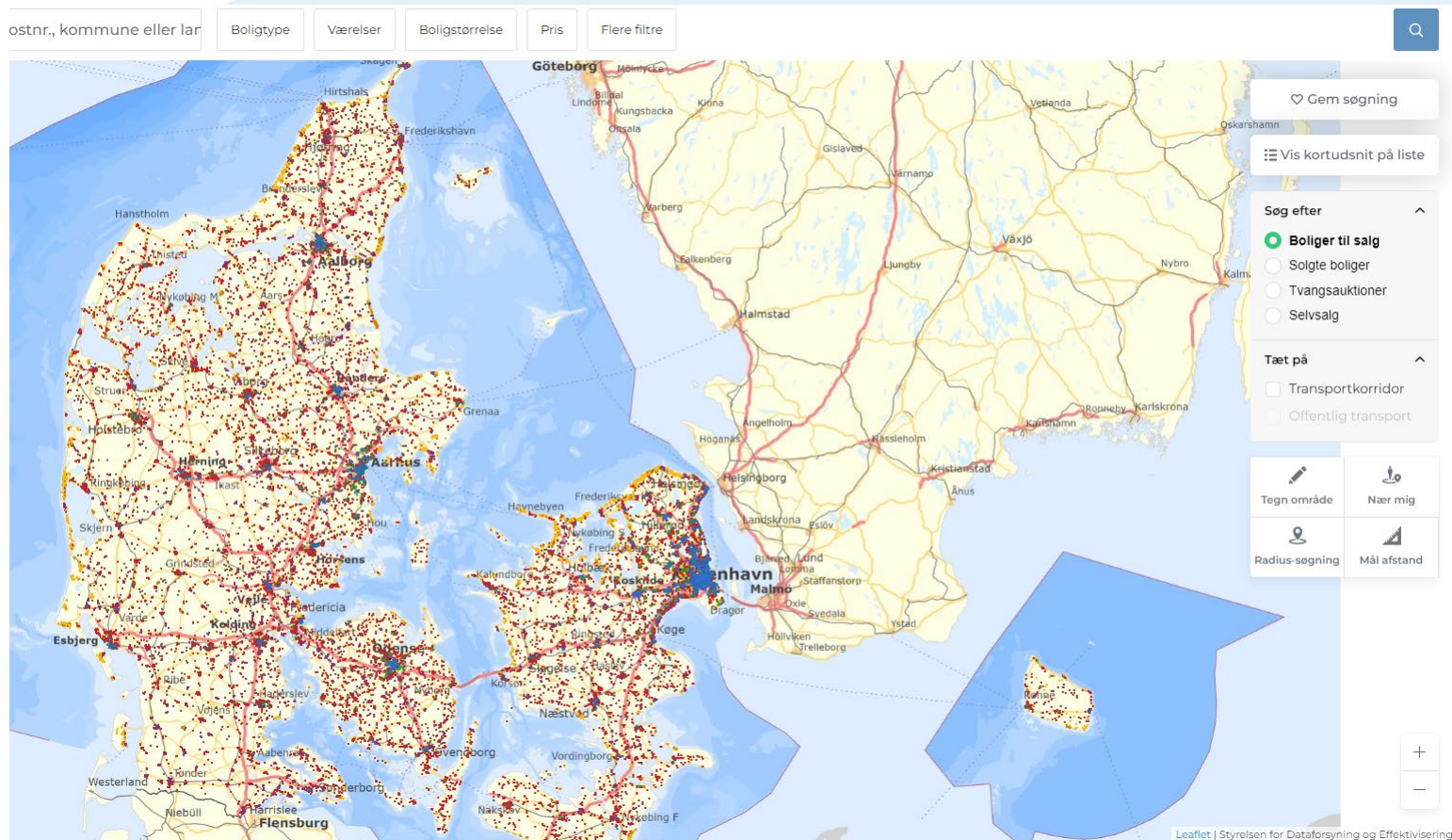
The Covid-19 Pandemic

- In the context of the Basic Data-program and the Data-Distributor the Covid-19 pandemic did not as such accelerate the move towards online mapping, data and statistics services.

- The Data-Distributor was already in production and the steep rise in web-service calls during the pandemic did not take place due to Covid-19, but because older distribution channels were phased out.

- Instead, the Basic Data infrastructure together with the Data-Distributor contributed to curbing the pandemic through supporting the development of public information channels on themes such as i.e. places to get tested or vaccinated.

- A vaccination app was developed within a month through combining the mapping-services of the Data-Distributor with address-information and real-time information about opening hours, queueing-times.
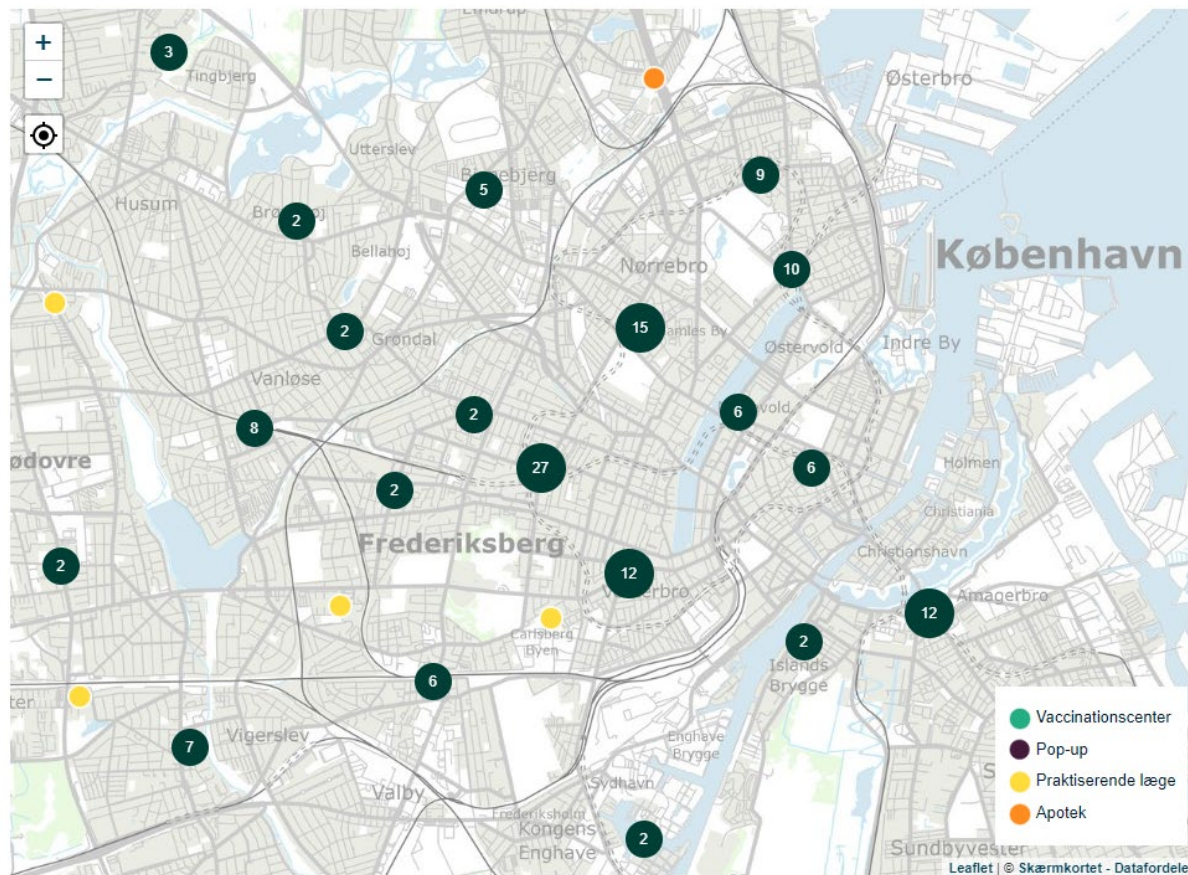
915 vaccinationssteder i Danmark

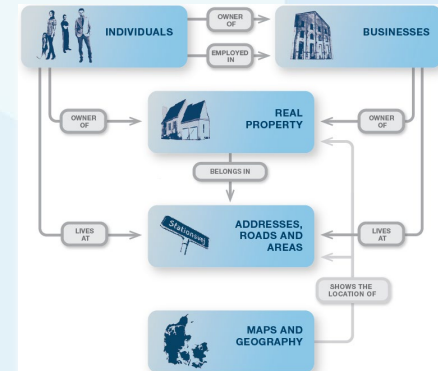Alle vaccinationssteder | Vaccinationscentre | Praktiserende læger | Apoteker | Private vaccinationscentre

Legend:
- Vaccinationscenter
- Pop-up
- Praktiserende læge
- Apotek

Leaflet | © Skærmkortet - Datafordeler

Kort udvikles af **Sundhedsstyrelsen** med data indsamlet fra de fem regioner. I alt 915 vaccinationssteder.

The Ukraine war: Increased heating prices

- Due to the coherent and standardized data updated once and for all at one place and distributed through one channel with standardized interfaces, the Data-Distributor is a fast and efficient and thus powerful tool for the public management of critical societal issues such as the Covid-19 pandemic

- Another example could be the social help measures introduced by the government to ease the economic situation of the Danish citizens using gas for heating and thus becoming the victims of the steep rise in oil and gas prices.

- In this case it was possible through the Data-Distributor to find the users of gas heating, gather information about the size of their homes and in the same process calculate and automatically pay the subsidy, they were entitled to.

Questions?