

How SDFE geospatial data are supporting the national handling of the COVID-19 crisis

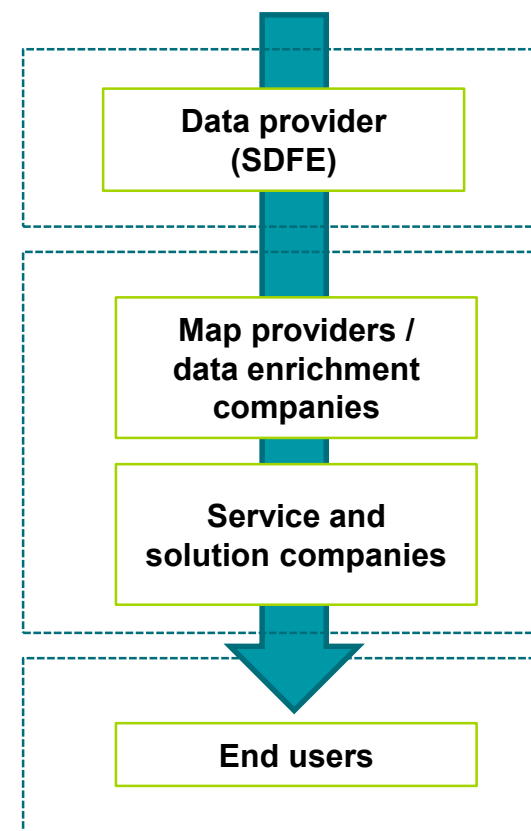
Introduction

- The Danish Premier Minister announced the lockdown of Denmark due to the Covid-19 on March 11th 2020
- SDFE closed the offices on the 13. March, and all employees have worked from home until now (using laptops, VPN, Skype etc.)
- Strong political focus on keeping public (data) infrastructure running
- SDFE has kept the national geospatial infrastructure running stably for the whole period = geospatial services for the Danish society
- SDFE has supported the defense operations staff with specific crisis maps; Denmark, Faroe Islands and Greenland

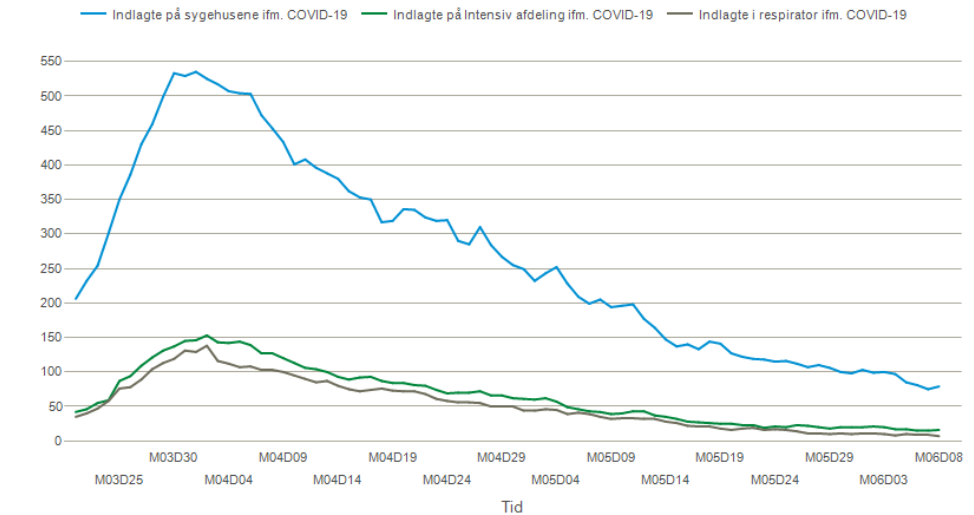
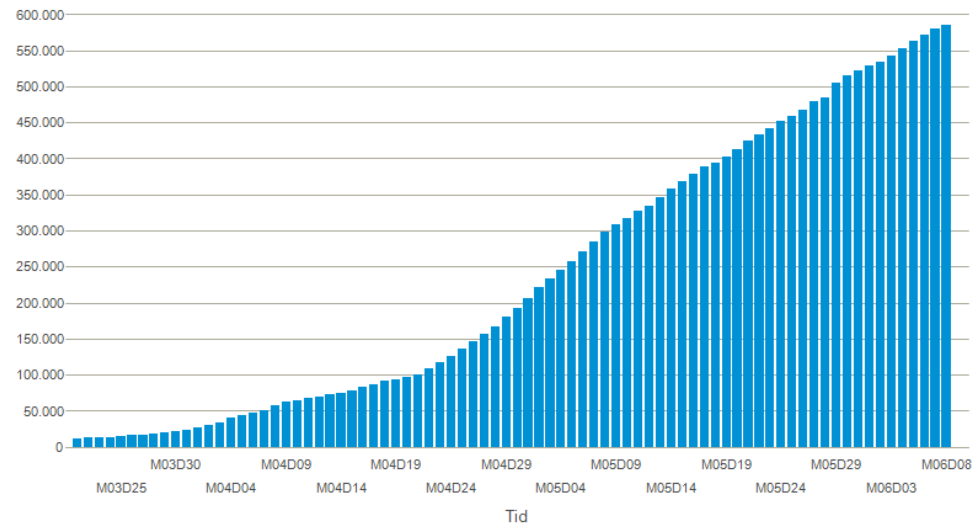
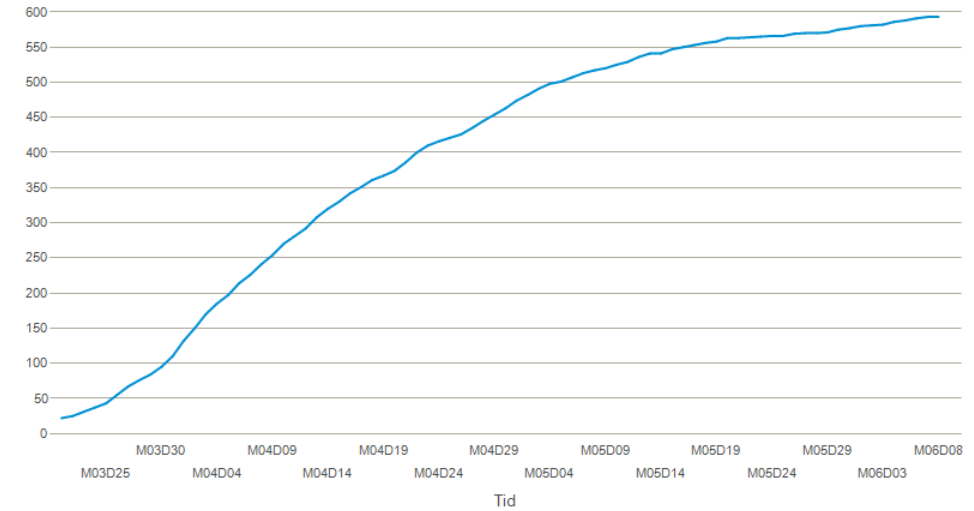
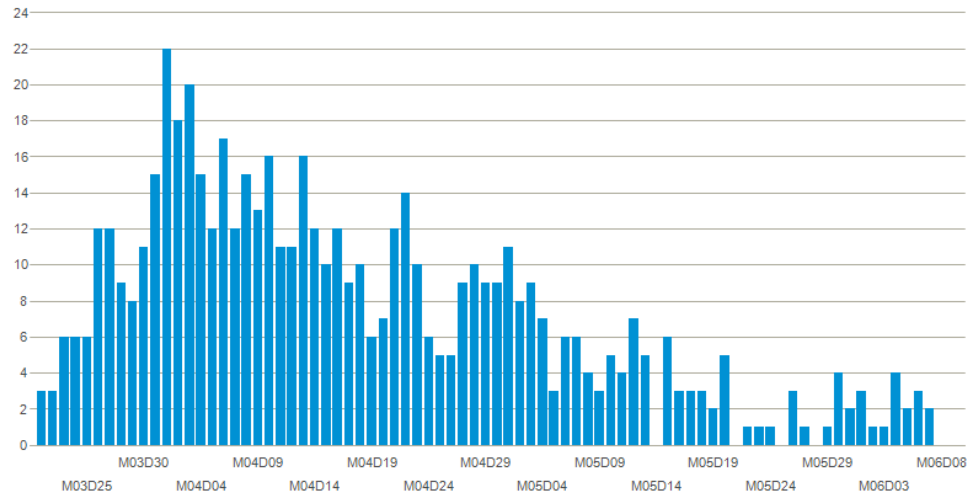
SDFE Map Supply – access to open data

The screenshot shows the Kortforsyningen website with a green navigation bar containing links like 'Forside', 'Dokumentation', 'Download', 'Kort', 'GIS', 'Drift', 'Min side', and 'Nyheder'. A large blue banner with white text reads 'Corona | covid-19'. Below this, a text box states that SDFE's data distribution is in normal operation despite COVID-19. The page also features a 'Hjælp' section with contact information, a 'Kortforsyningen PIP' section with tweets, and a 'Driftmeddelelser' section. The bottom of the page shows a Windows taskbar with various application icons and a system clock indicating 17:44 on 10-06-2020.

Value chain

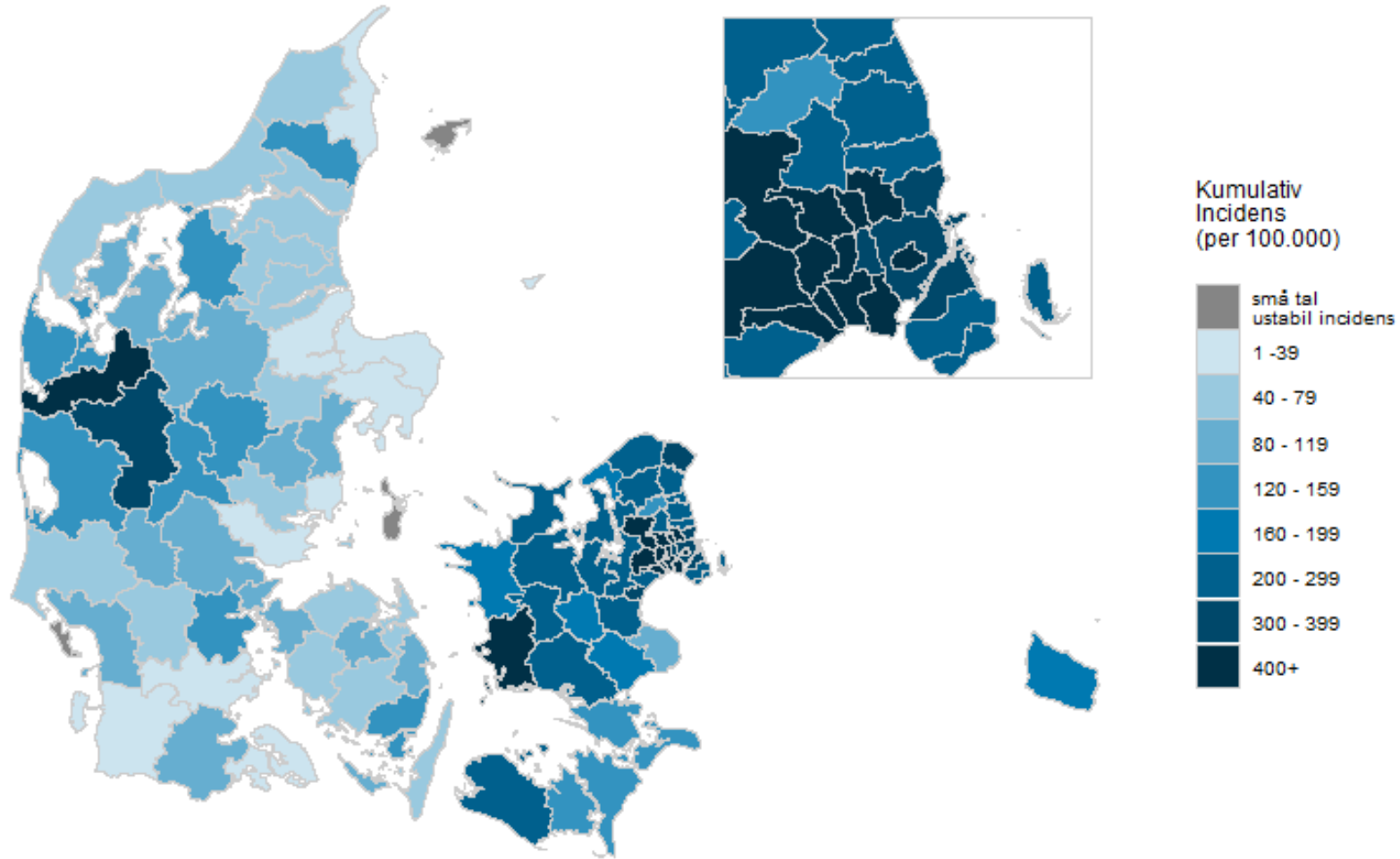


Covid-19 in Denmark



SDFE Admin boundary map:

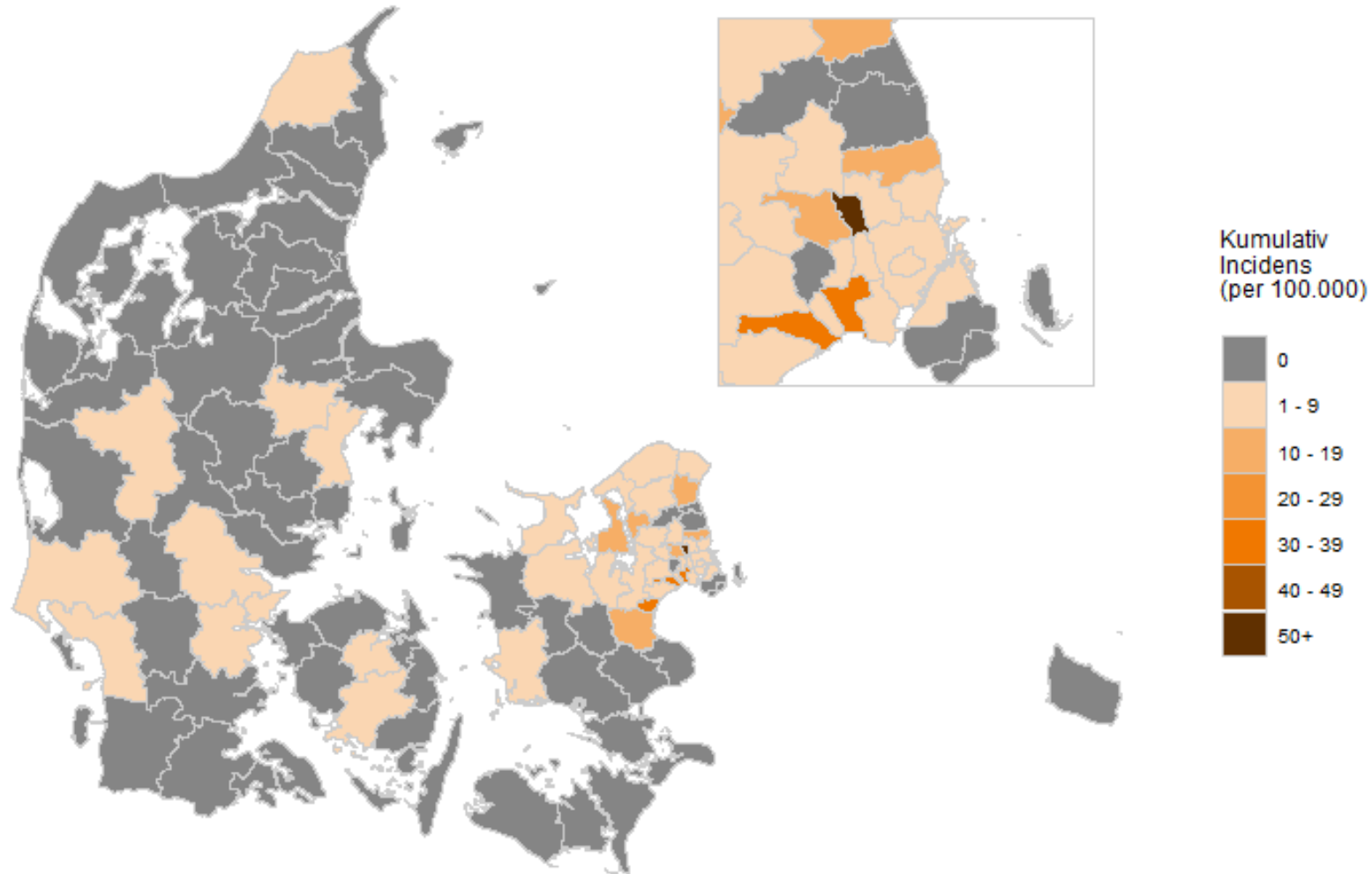
Number of confirmed cases of COVID-19 **total per 100,000** population (cumulative incidence) per municipality, (with zoom in the Copenhagen area in the upper right)



(Datakilde: Statens Serum Institut)

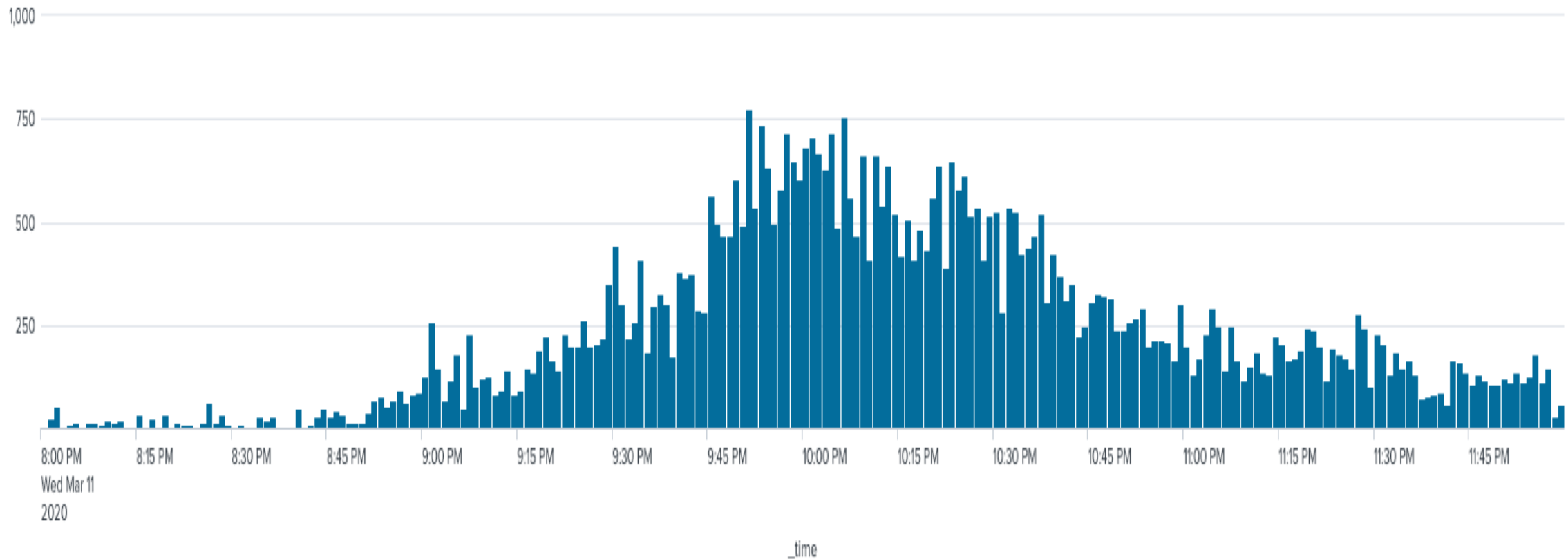
SDFE Admin boundary map:

10. June: Number of **new confirmed cases** of COVID-19 **per 100,000** population, last 7 days, per municipality, (with zoom in the Copenhagen area in the upper right)

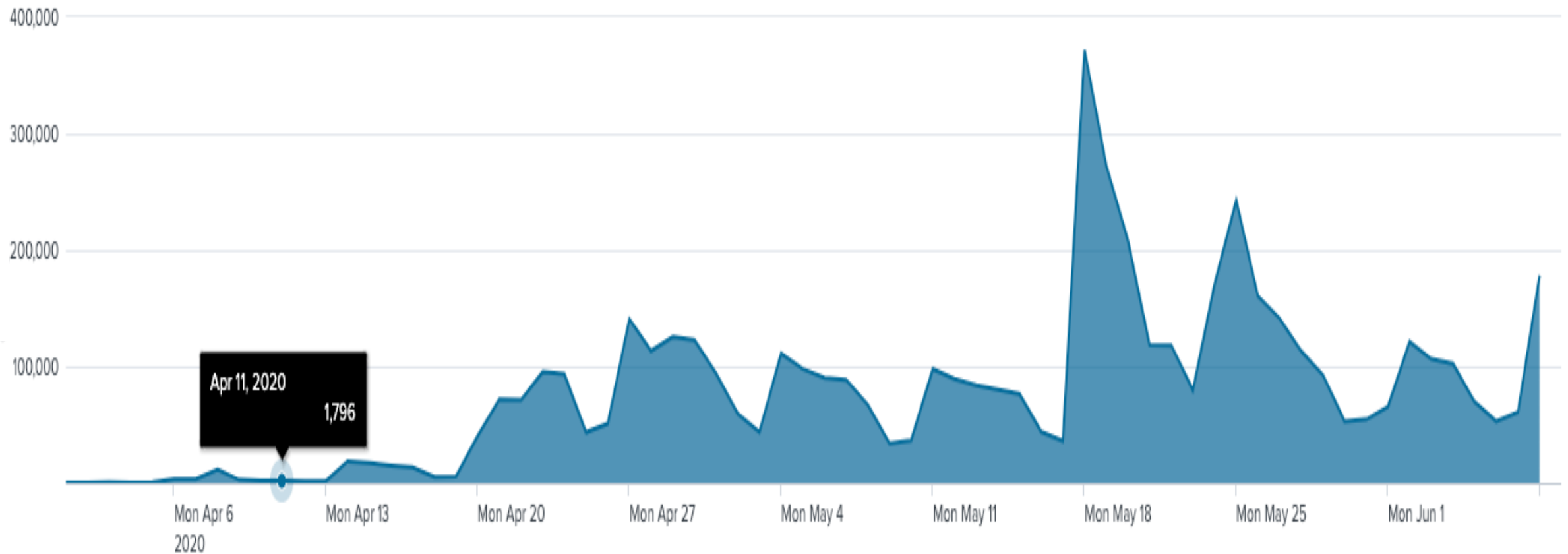


(Datakilde: Statens Serum Institut)

A grocery pick-up service - day of the announced lockdown - using SDFE address service

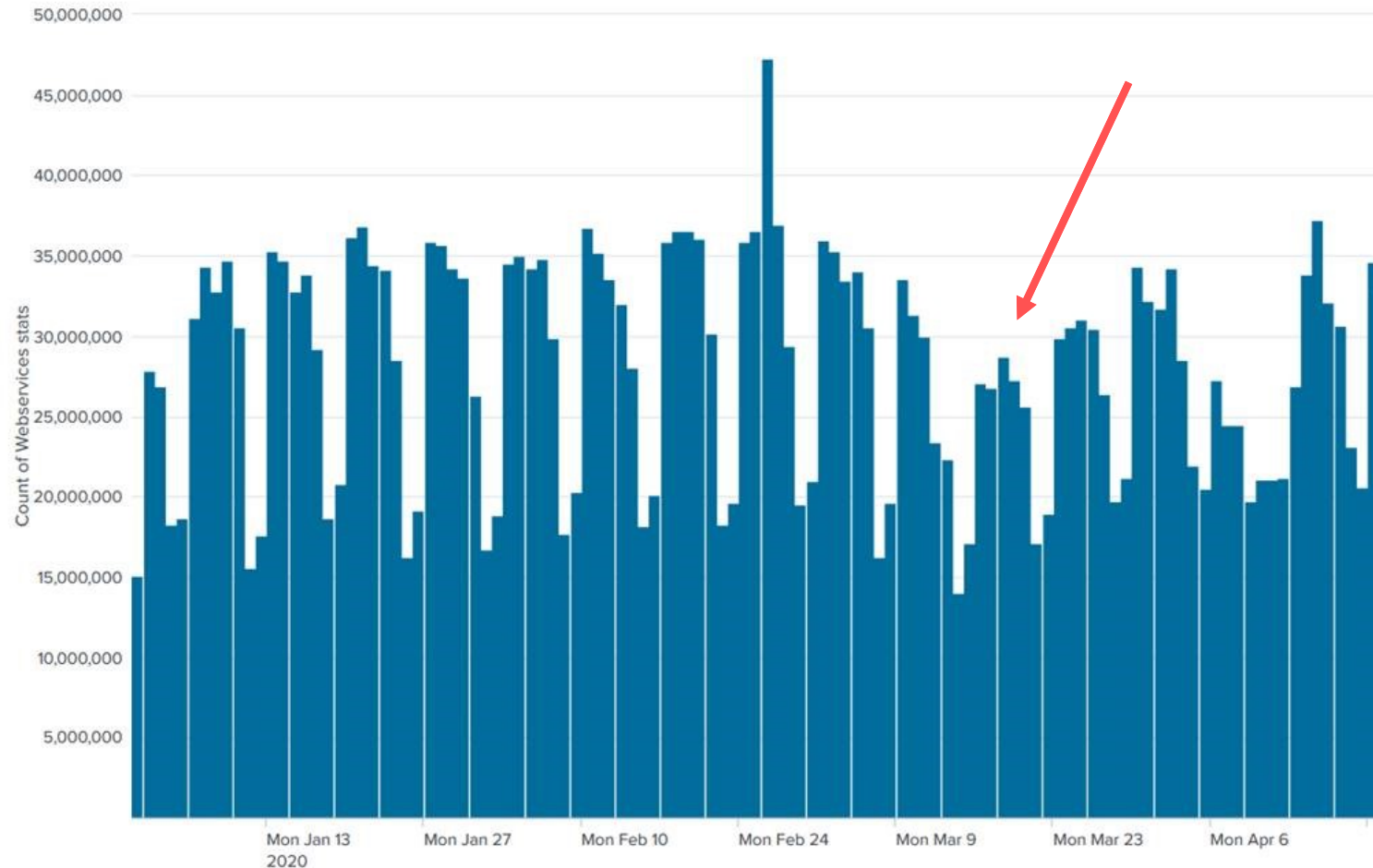


A service for Corona test appointments – geo-related booking - using SDFE address service



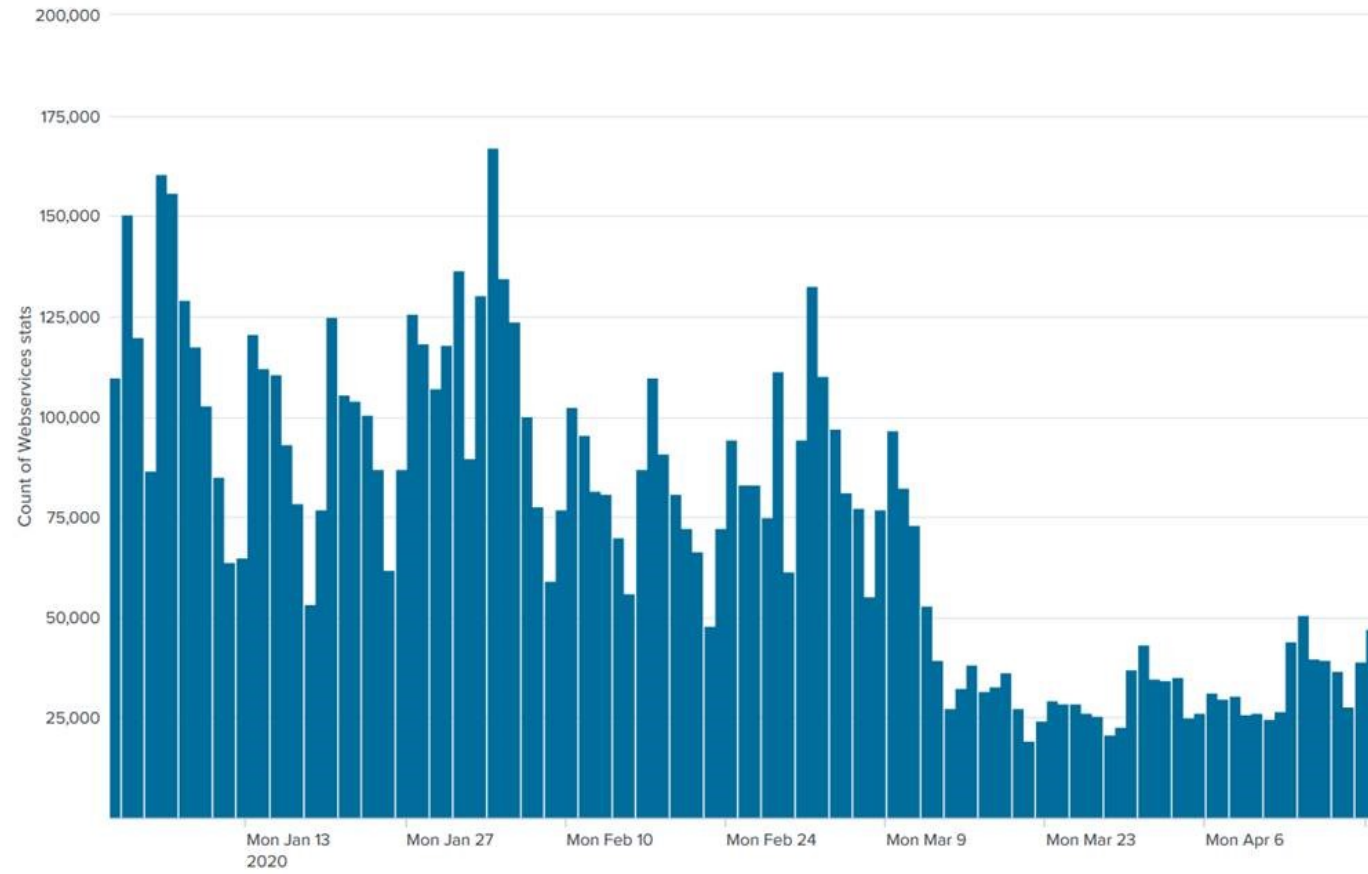
SDFE Map Supply – total requests

- reduction after announcement, rising to normal level



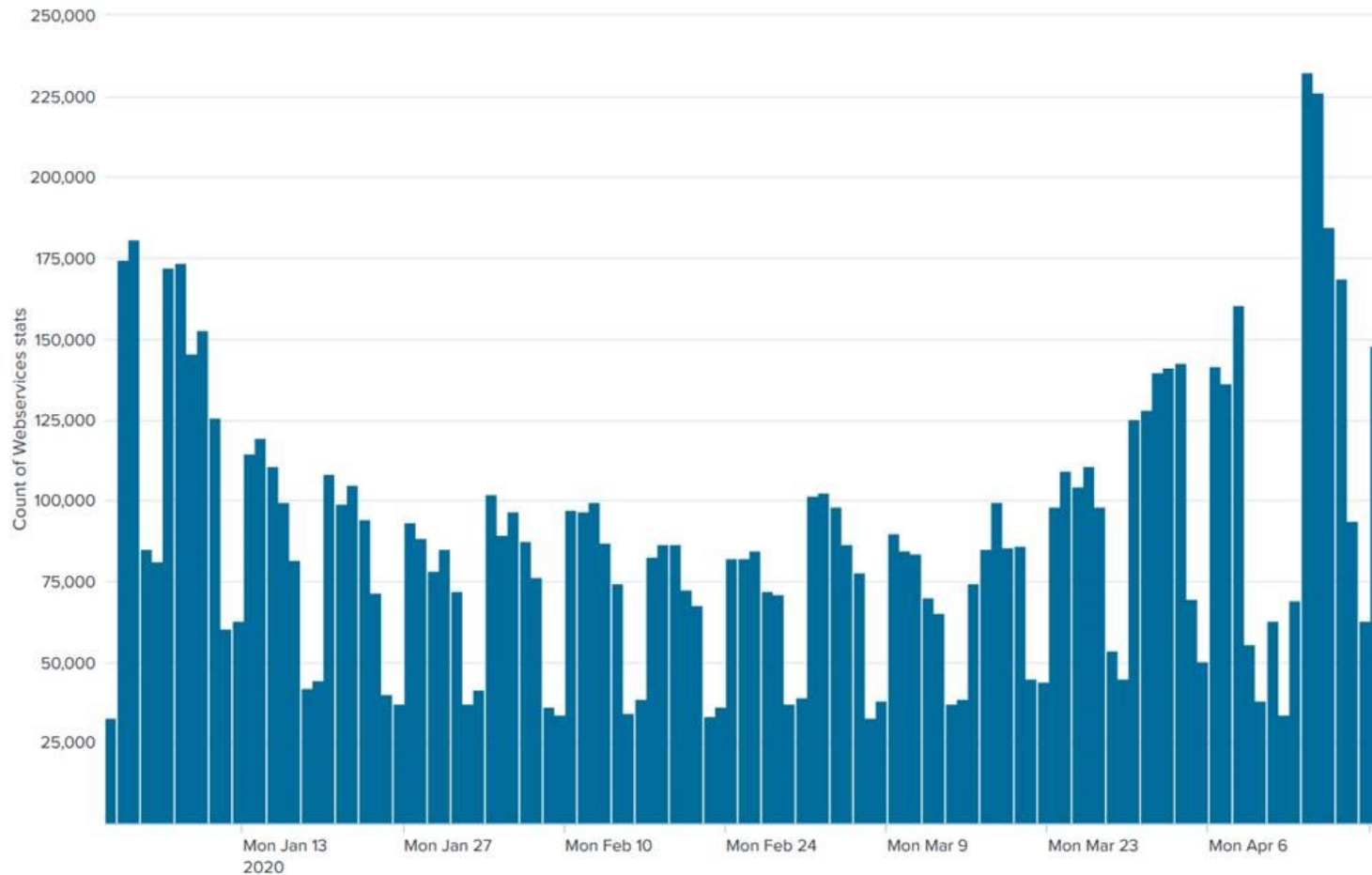
Travel planner – Bus, metro, train

- After lock down less than half requests



Parcel delivery (one provider)

- After lockdown rising to + 2 x normal requests



Summary

- Fast lockdown and low numbers of infected = no crisis and need for emergency measures
- SDFE initially supported the defense with specific maps, but otherwise our users have relied on our free and open Map Supply and address services
- Our users (e.g. in the health & statistical agencies) have direct access and geodata knowledge – thus creating their own maps and services, based on SDFE data and services