

COVID-19: Department of Survey and Mapping Malaysia develops applications for the National Security Council (NSC) and the Malaysian Armed Forces (MAF)

On 18 March 2020, Department of Survey and Mapping Malaysia (JUPEM) developed a dashboard application (WebGIS) that provides a Geospatial Common Operating Picture for NSC and MAF on the latest development of COVID-19 which includes reporting of positive cases among people under surveillance (PUS) within the NSC and MAF communities as well as the public. The dashboard is equipped with a display containing the attribute and geospatial information which helps in the development of GIS application for monitoring purposes and overall reporting. The news on this initiative has been published in local online news channel dated 10th April 2020.

<http://english.astroawani.com/malaysia-news/covid-19-ketsa-develops-application-atm-and-mkn-237644>

JUPEM developed:

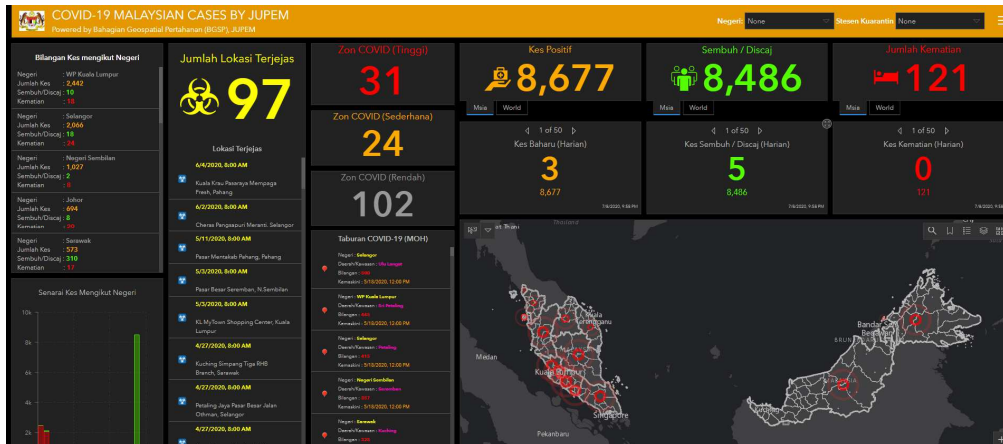
- a) Covid-19 Web Map.
Capable of showing location and information of affected areas, hospitals designated for treatment, quarantine centers, road blocks etc related to pandemic containment exercise.
- b) Covid-19 Dashboard for NSC and MAF
Delivers daily statistics of Covid-19 infection, death, recovery cases by region.

Datasets:

- a) JUPEM's topographic data
- b) Covid-19 daily statistics from the Ministry of Health
- c) Covid-19 daily statistics from the MAF
- d) Demographic data from Department of Statistics
- e) Place of Interest (POI) data from National Geospatial Center

<https://bgp.maps.arcgis.com/apps/opstdashboard/index.html#/58571642da3a4e68b30cfd5e7ca4deb8>

The Dashboard created is used as one of the main monitoring platform of the pandemic in the NSC and by the MAF. It is a key tool to provide insight for the decision makers in timely manner to plan and execute operations under the country's Movement Control Order, and deployment of security forces including for cordoning of affected areas and maintaining roadblocks. It also incorporated the government's analytical tools to empower descriptive, diagnostic, predictive and prescriptive analysis of the outbreak.



The dashboard incorporated data and services from:

- Ministry of Health: Daily statistics (infection, death, recovery cases)
- ESRI Malaysia: Daily statistics (Malaysia's and global statistical services)
- Outbreak Malaysia: Daily statistics (affected areas)
- Malaysia Meteorological Department : Daily weather forecast
- National Geospatial Center: Location of Points of interest