SABAH GEO HUB

Geospatial Data & Mapping for Inclusive Decision-Making during the COVID-19

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The COVID-19 Pandemic Crisis in Malaysia

WHO commended Malaysia’s handling of COVID-19 pandemic
Impacted SDGs

- **2 Zero Hunger**: Supermart Checks
- **3 Good Health and Well-Being**: The display of hospital beds and quarantine centres availability
- **9 Industry, Innovation and Infrastructure**: Use of innovative technologies and infrastructure to address the challenges posed by the pandemic.
- **11 Sustainable Cities and Communities**: Web maps and display of hospital beds and quarantine centres availability helps to ensure access services.
- **17 Partnerships for the Goals**: Collaboration between government agencies and the use of data hubs to achieve goals.
LESSON LEARNT FROM THE COVID-19 PANDEMIC

During crisis, we are not interested about

*Data is the new oil*
*Data is gold*

We are not interested to generate income from data

Data does not need to be highly detailed

We are interested

- To help save lives and control pandemic
- To reach out to certain groups to give assistance
Pandemic pushes us to act intuitively with digital data & technologies

- In the post-COVID19 era, mass adoption of connected digital services by consumers, enterprises, and governments has emerged.

- Even in the pre-pandemic days, this digital mandate wasn’t new. It’s simply been brought into sharp focus due to the pandemic.

- During pandemic, the state government has to respond intuitively to emergencies as amenities and infrastructure i.e., 4G network coverage are still lacking in many places of Sabah.
Government to take lead in driving digitalisation

- The core undertaking of Digital Government is producing data strategies that aims at promoting active sharing and integration of data.

- Connect individuals, organisations, government institutions, cities, and municipalities to promote better development of public services.

- Put in place the Sabah Data Integration and Interchange Platform (DIIP) connecting the People, Business and Geo Hubs.
SABAH DIGITAL GOVERNMENT INITIATIVE

To drive governance, business and social transformation
PEOPLE • BUSINESS • GEO DATA HUBS

People: “Know your Citizen”

Business: “Know your Economy”

Land (Geo): “Know your Location”
Functionality of Data Hubs

Data Publisher

People Hub

Business Hub

Data Connectivity Agent

DXP

• Data Administration
• Data Exchange
• Data Repository
• Data Monitoring

Services

Files

Data Dissemination

Subscriber

Sabah Digital Profile Page

Digital Marketplace

Showcase 1
Data Propagation from data Source(s) to Data Hub(s)

Showcase 3
Data Monitoring and Tracking

Showcase 2
Data Service Application Data Sharing Portal + 2 Applications
Sabah Geo Hub works alongside People and Business Hubs to assist in decision-making
Sabah Geo Hub is empowering the state’s digital transformation initiatives

1. Data Store
2. Apps Store
3. Sabah 3D Environment
4. Sandbox with Self-Learning Tools
Start small, act fast, evolve progressively.
SUPERMARKET CHECKS
Data from Daily Supermarket Survey for shortage of items (to avoid panic buying)

1. Face masks had the most severe shortage
2. Toilet roll and soap were among the top 3 shortages
3. Most inspections were done between late morning to lunch
4. Number of inspections per day were carried out quite evenly throughout
5. Labuk Sugut, Telupid, Kinabatangan, and Tawau had more supplies shortage
Egg supply began to face challenges
Addressing the concern of panic buying & food supply shortage
Transportation Arrangement

- Need to understand accessibility between buildings and COVID-19 hospitals / quarantine centres

Red dots cluster will need more than 2hrs driving-time to reach a COVID-19 hospital / QC
Significance of geospatial data and mapping in supporting **Inclusive decision-making**

- Registered events (past, current & future) across Sabah
- Bed occupancy rate in COVID-19 hospitals and quarantine centres
- Status of vaccination programme in Sabah
- Supermarket Checks
Conclusion: Be prepared during peace time

- Work on initiatives that aligning to the Sustainable Development Goals principle of leaving no one behind.

- The state government needs to know its people and businesses well with the respective locations.

- Inclusive management of information and services are becoming a lot more crucial for reaching all communities.

- Start small, act fast, and scale progressively when dealing with a digital transformation initiative.
Thank you