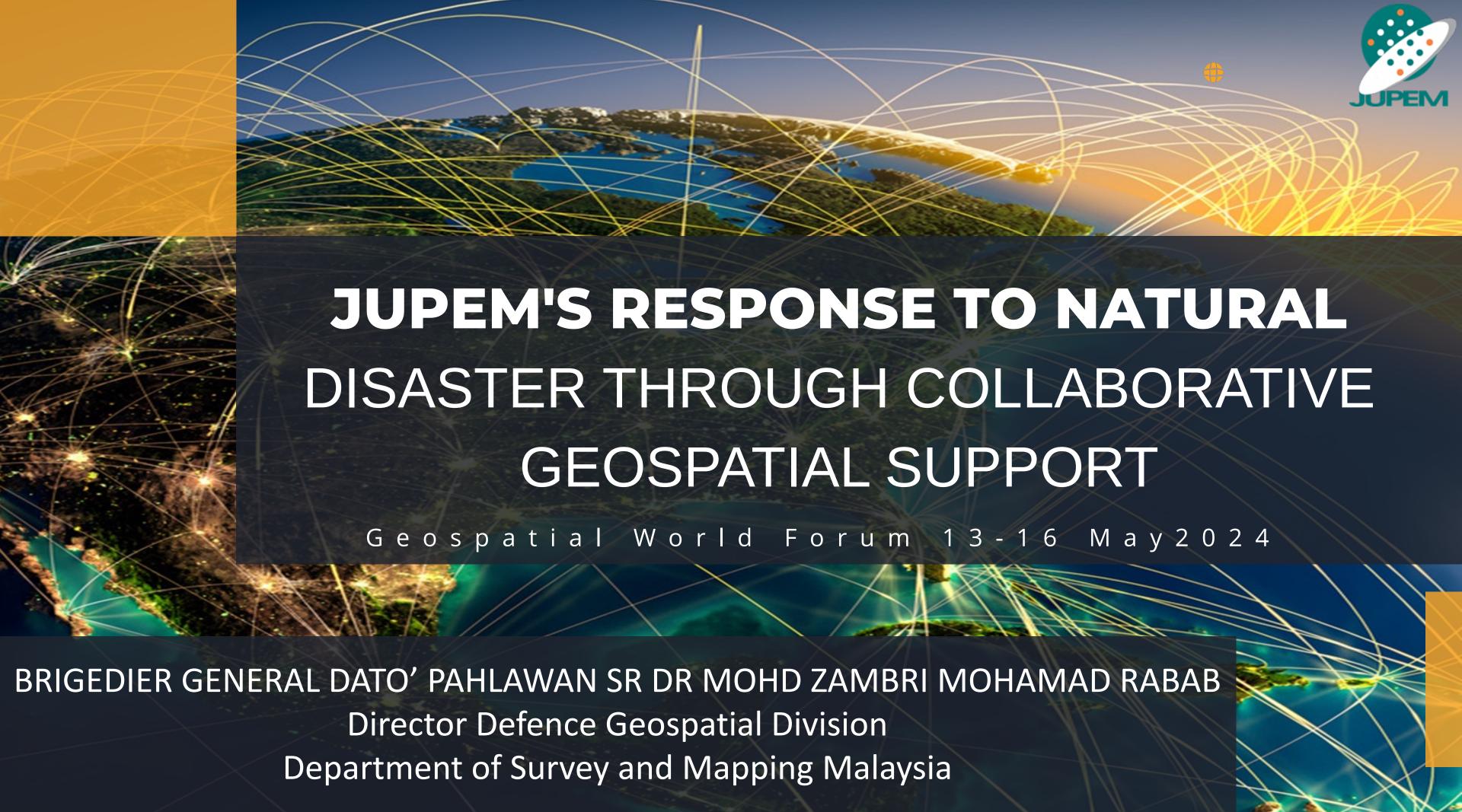
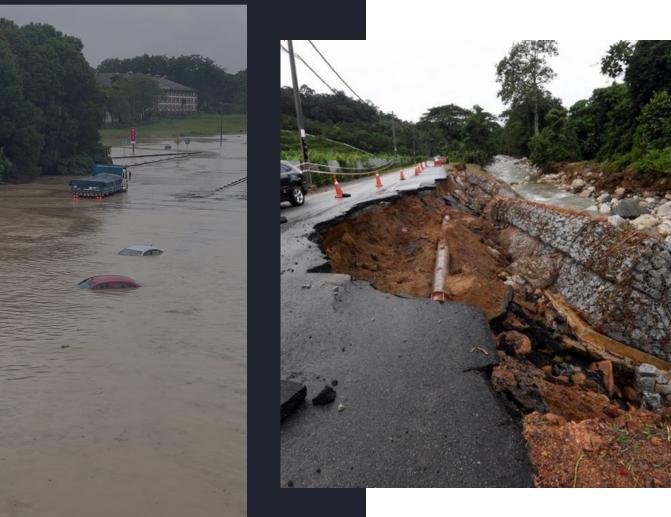


CLICK TO KNOW MORE









PRESENTATION OUTLINE

01. INTRODUCTION

02. JUPEM ROLES IN DISASTER MANAGEMENT

03. JUPEM'S PRODUCT THAT SUPPORT DISASTER MANAGEMENT

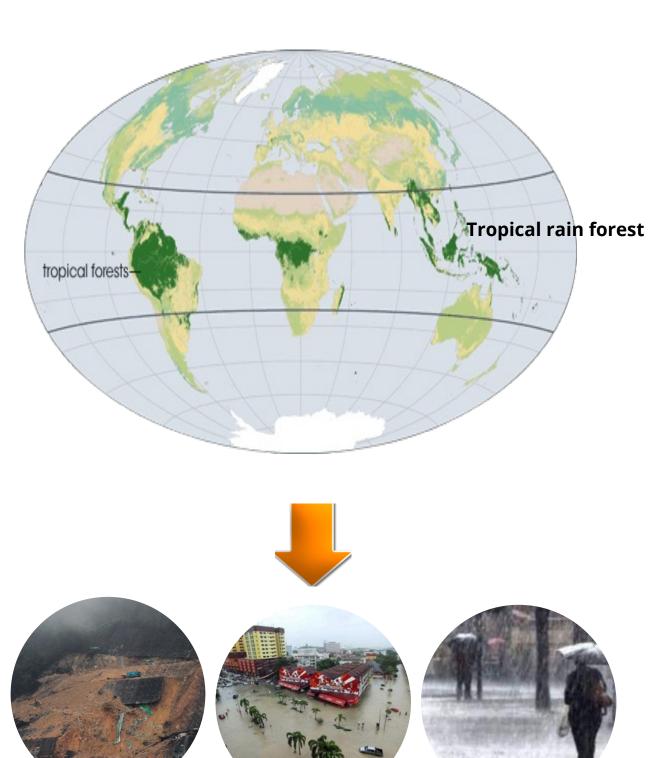
04. IMPACT TO PUBLIC AND COUNTRY

05. CONCLUSION

1.0 INTRODUCTION

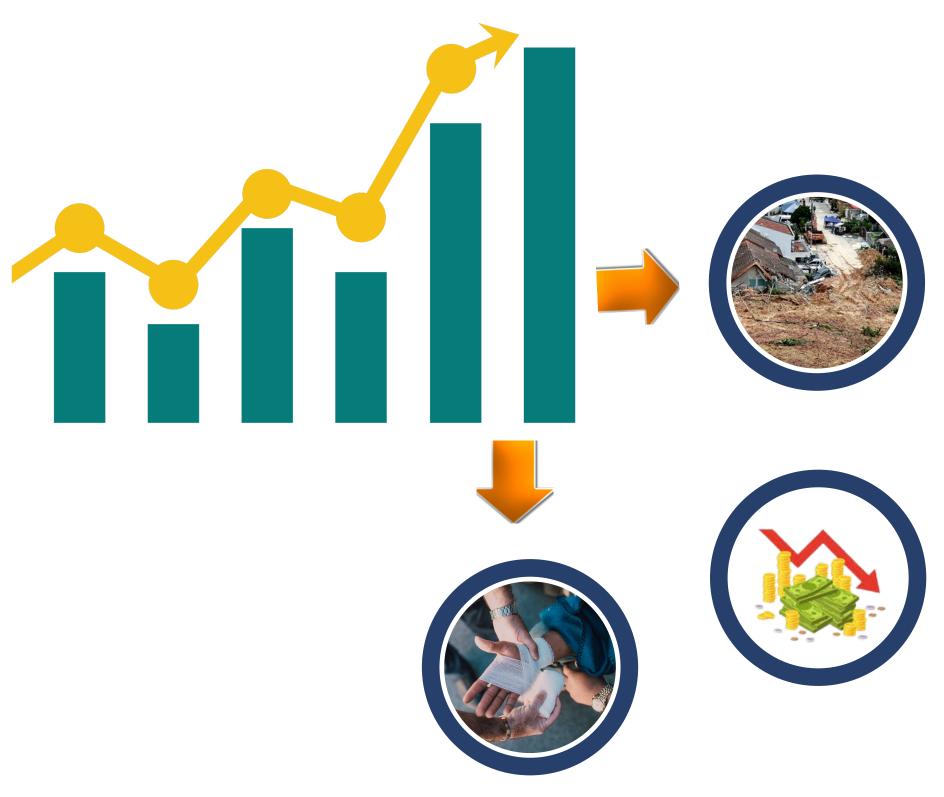
JUPEN

Location of Malaysia in line of equator



Heavy rains, flood, landslides, water surges etc

Frequent and unexpected natural disaster



Destruction of property, loss of financial, injury etc

2.0 JUPEM ROLES IN DISASTER MANAGEMENT







JUPEM assists National Security Council (MKN) & National Disaster Management Agency (NADMA)









Base Map and Geomatic Surveying

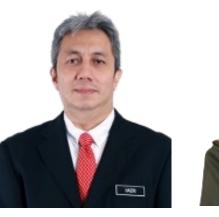


Subject Matter Expert (SME)



Defence Geospatial Information Management (DGIM) Enterprise Platform

DIRECTOR GENERAL OF SURVEY AND MAPPING MALAYSIA





- **Surveyor General of Peninsular Malaysia**
- **Director of National Mapping Malaysia**
- Honarary Director of Military Survey Malaysian Armed Forces

22.09.2020:

JUPEM launched PTO (SOP) involving 10 types of disaster





















Peraturan Tetap Operasi (PTO) Documentation

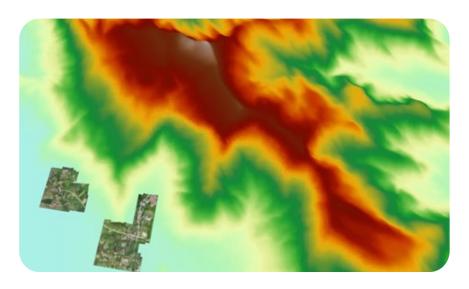




GEOSPATIAL PRODUCTS - Base Map and Geomatic Surveying









Light Detection and Ranging (LiDAR), Unmanned Aerial Vehicle (UAV), Utility Data and Cadastre Database which can be used to map the disaster area

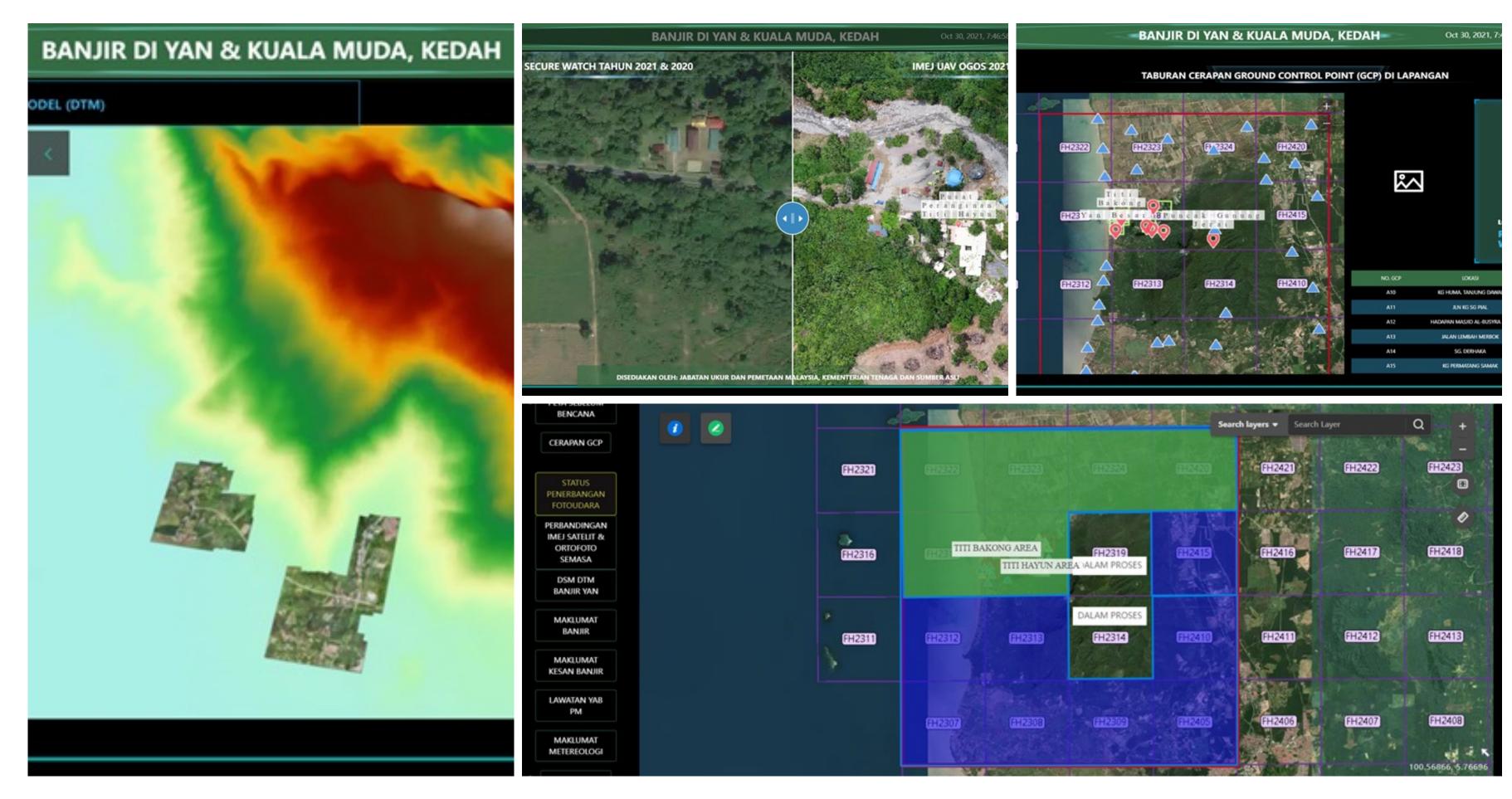


MYGEOSERVE System – Integrate Information within JUPEM and Data Management













GEOSPATIAL EXPERTISE

UAV (Optical dan LiDAR)



Imagery Acquisition



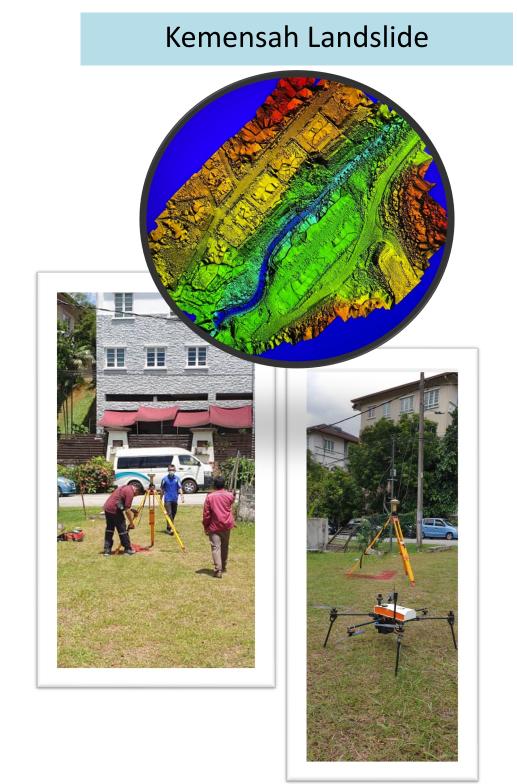
Subject Matter Expert (SME)

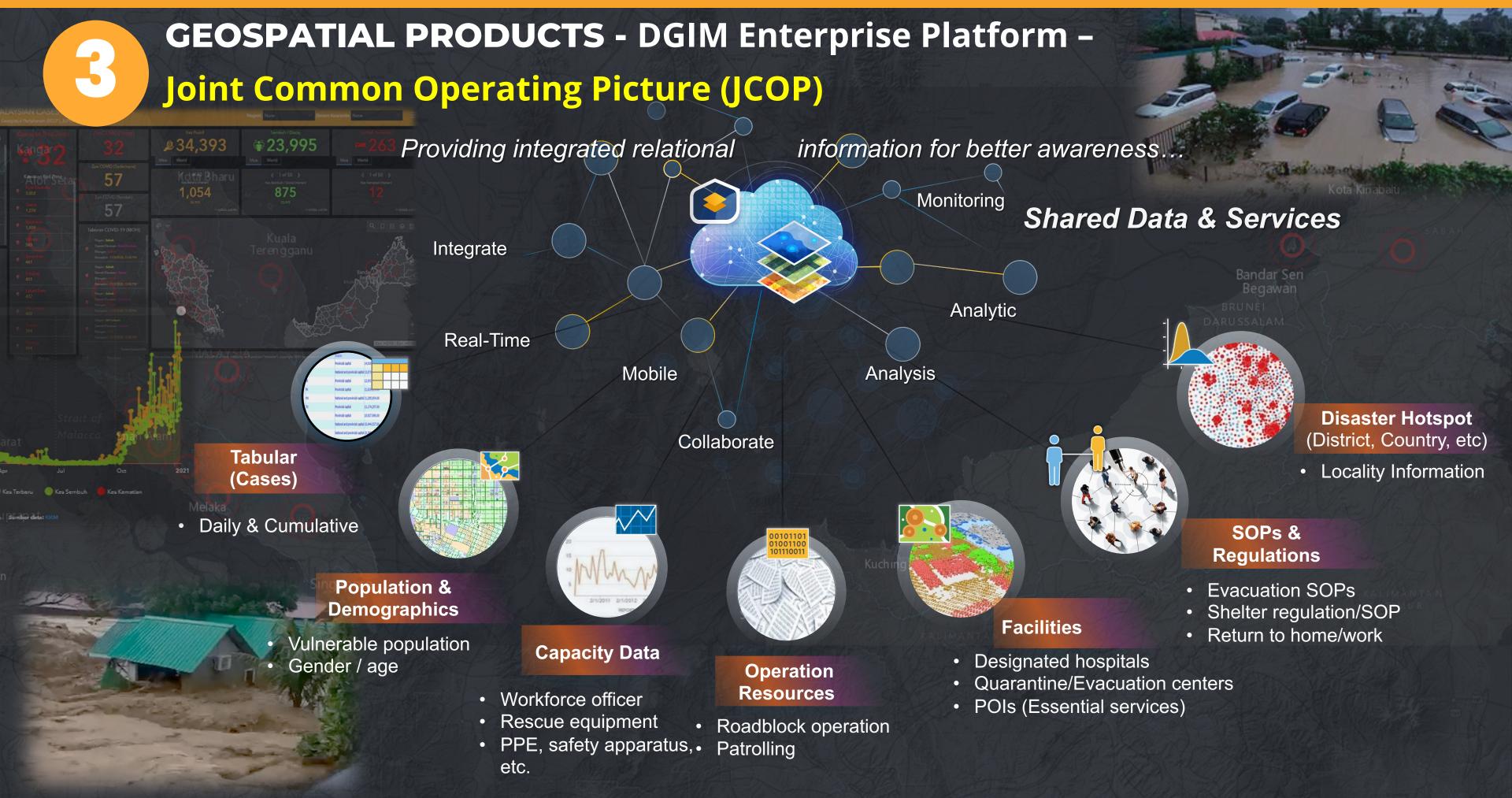


Teamwork with technical agencies (JMG, JPSM, Local Authorities)

VARIOUS PROJECT WITH TECHNICAL AGENCIES

PETA KHAS TITI HAYUN, YAN, KEDAH (SELEPAS KEJADIAN BANJIR)
(ORTOFOTO PADA 24 OGOS 2021)









DGIM Activities

STRATEGIC DECISION



GENERAL > NEWS

DGIM PLATFORM TO IMPROVE DISASTER PREPAREDNESS – ARMIZAN

(30/10/2023 02:47 PM





Government Decision to use DGIM Platform for Disaster Management:

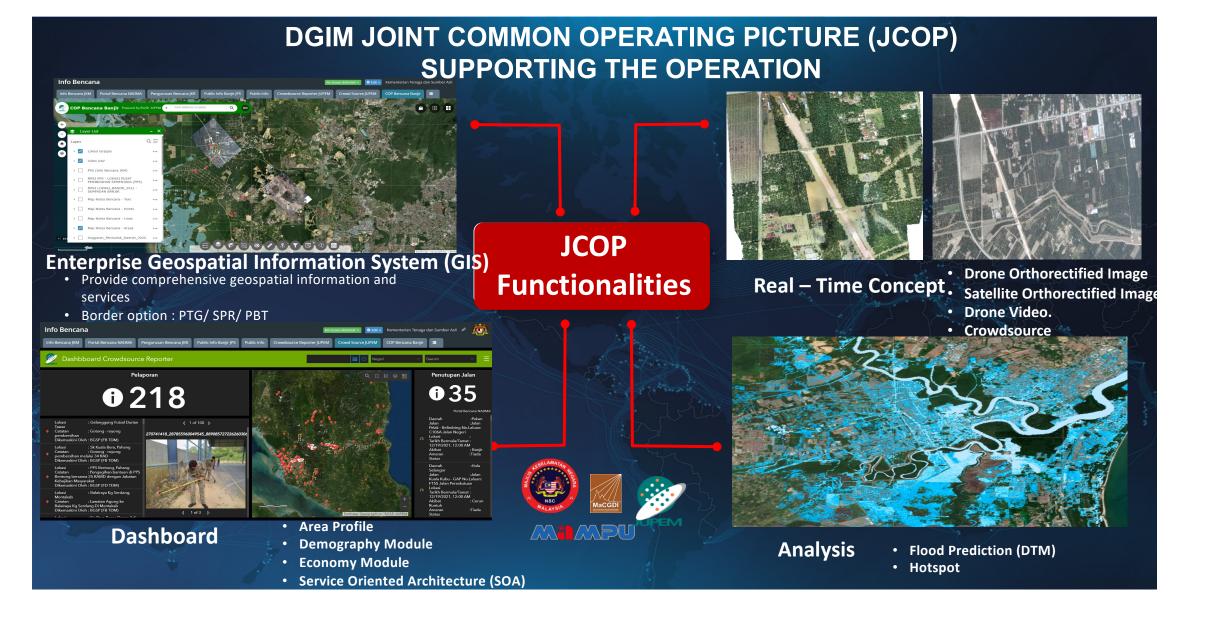
- 1. Data Sharing among Technical Agencies
- 2. Information Integration for Operational Dashboard
- 3. Data Driven Decision Making Process
- 4. Effective Reporting System to Stakeholders
- 5. Monitoring Implementation and Effectiveness





DGIM Activities

Application Configuration and Information Integration



Damage Assessment – ML / AI / Full Motion Video

Mapping Product - UAV & Satellite Imagery

Field Reporting Data

– MAF / Agencies

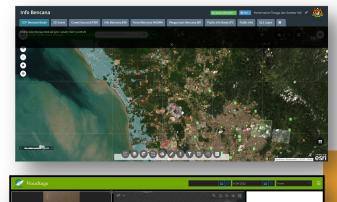
Visual J-COP Disaster
Apps + Drone Fleet
Commander System

Collecting data using other social media

crowdsource











Public Works Department

MET Malaysia

Department of Social Welfare

Civil Defence Department

Malaysian Armed Forces



Collaborative Data Management



Training and Familiarization







DGIM Activities – Analytic and Dissemination

POC for Disconnected Environment with AWS

Integrating DGIM with Ministry of Science, Technology, and Innovation (MOSTI) Initiative

Proposed Collaboration - UTHM, Salford University UK and JUPEM







AWS Snowball Edge for Rugged and Tactical Edge

BRINGS AWS TO RUGGED EDGE AND LOCATIONS WITH NO OR LIMITED NETWORK CONNECTIVITY



MOSTI preparing 200 drones to be sent to flood hotspots

20 Oct 2022 04:58pm







5.0 IMPACT TO PUBLIC AND COUNTRY



Sharing information to public and Non-Governmental Organization



Disaster ON AIR

3 Support NADMA, MKN and related agencies managing national crisis and emergencies effectively



Improving Shared Situational Awareness



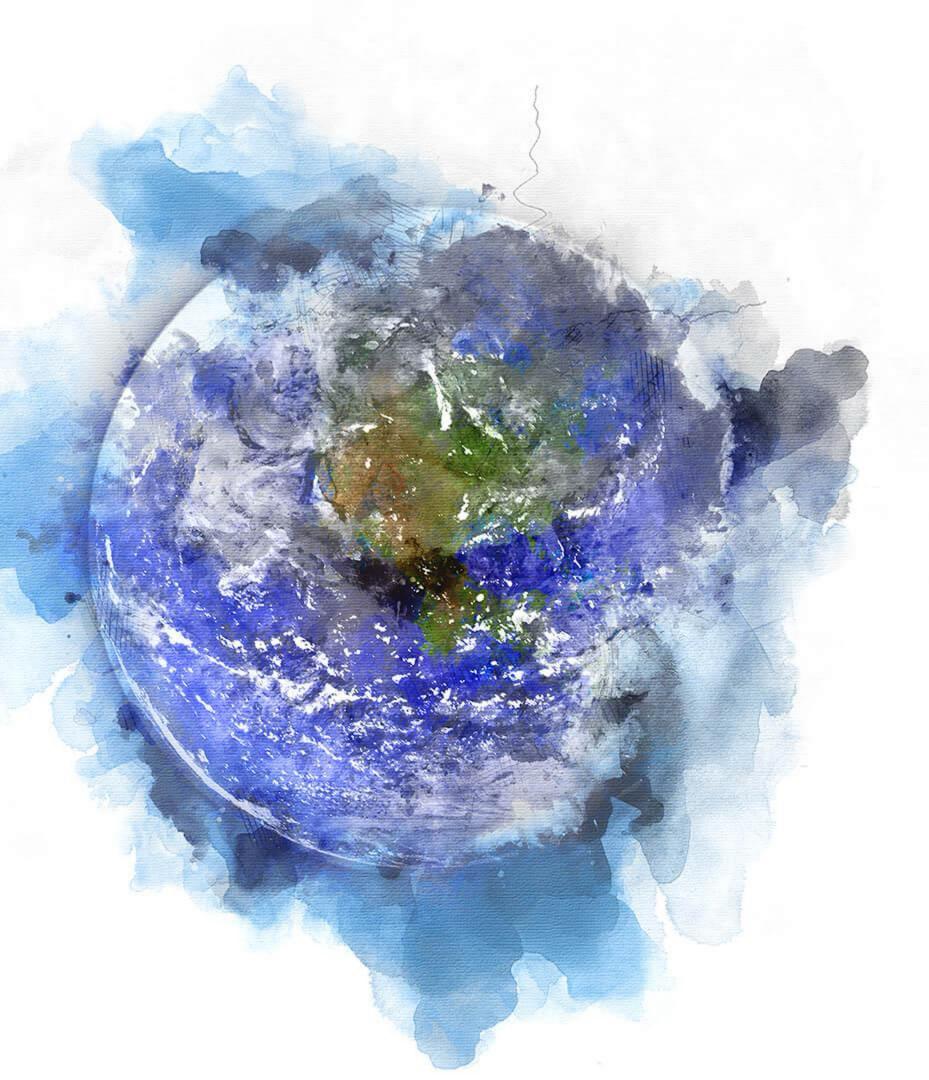
6.0 CONCLUSION



Spatial data or information is critical for disaster risk management

Geospatial Enterprise Platform is a game changer to manage disaster information spatially through collaborative effort

JUPEM is aligning its role to fulfil responsive requirements while improving the quality of authoritative foundation data.



THANK YOU