

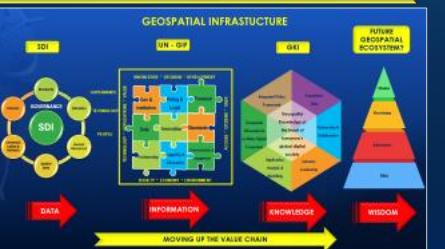
# MEMPERKASAKAN PERANAN GEODATARAYA KESELAMATAN NEGARA BERDASARKAN GEOSPATIAL KNOWLEDGE INFRASTRUCTURE (GKI)



Daripada;  
**Kolonel Gs. Norazlin bte Pamuji**  
**Timbalan Pengarah Bahagian Geospatial**  
**Pertahanan Jabatan Ukur dan Pemetaan**  
**Malaysia**

# SKOP

## PENGENALAN



## PERANAN



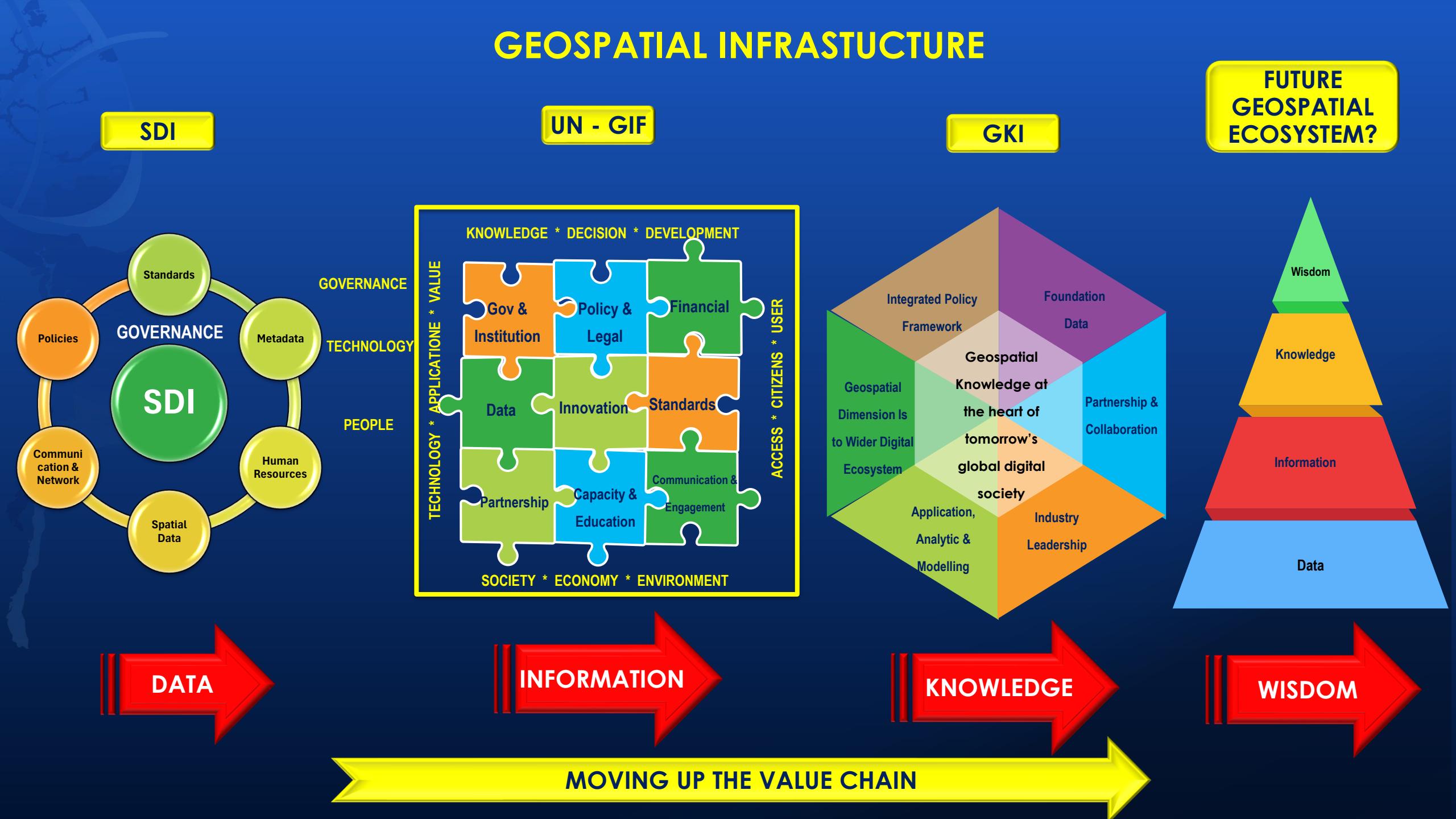
## TINDAKAN



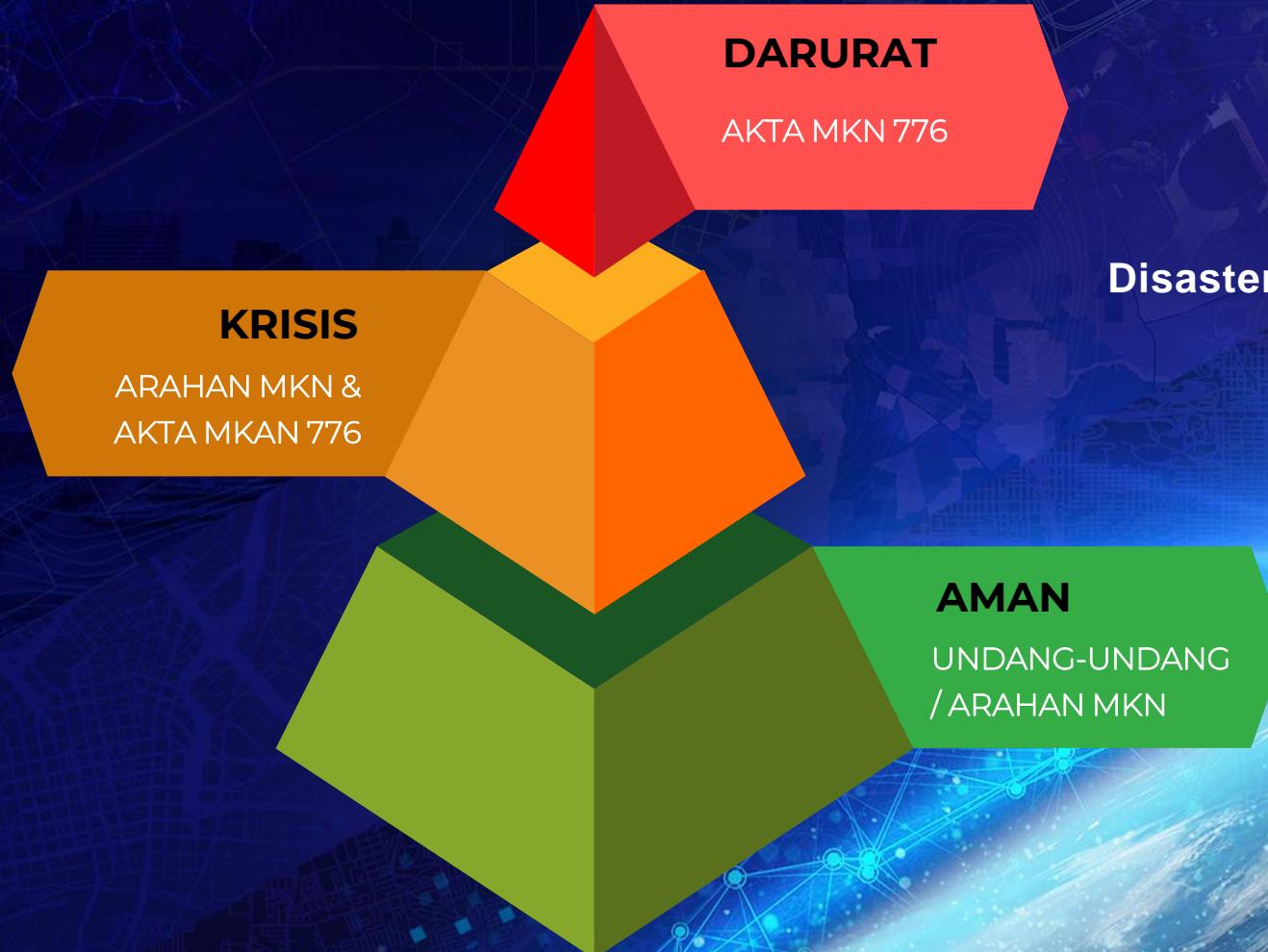
## PENGALAMAN



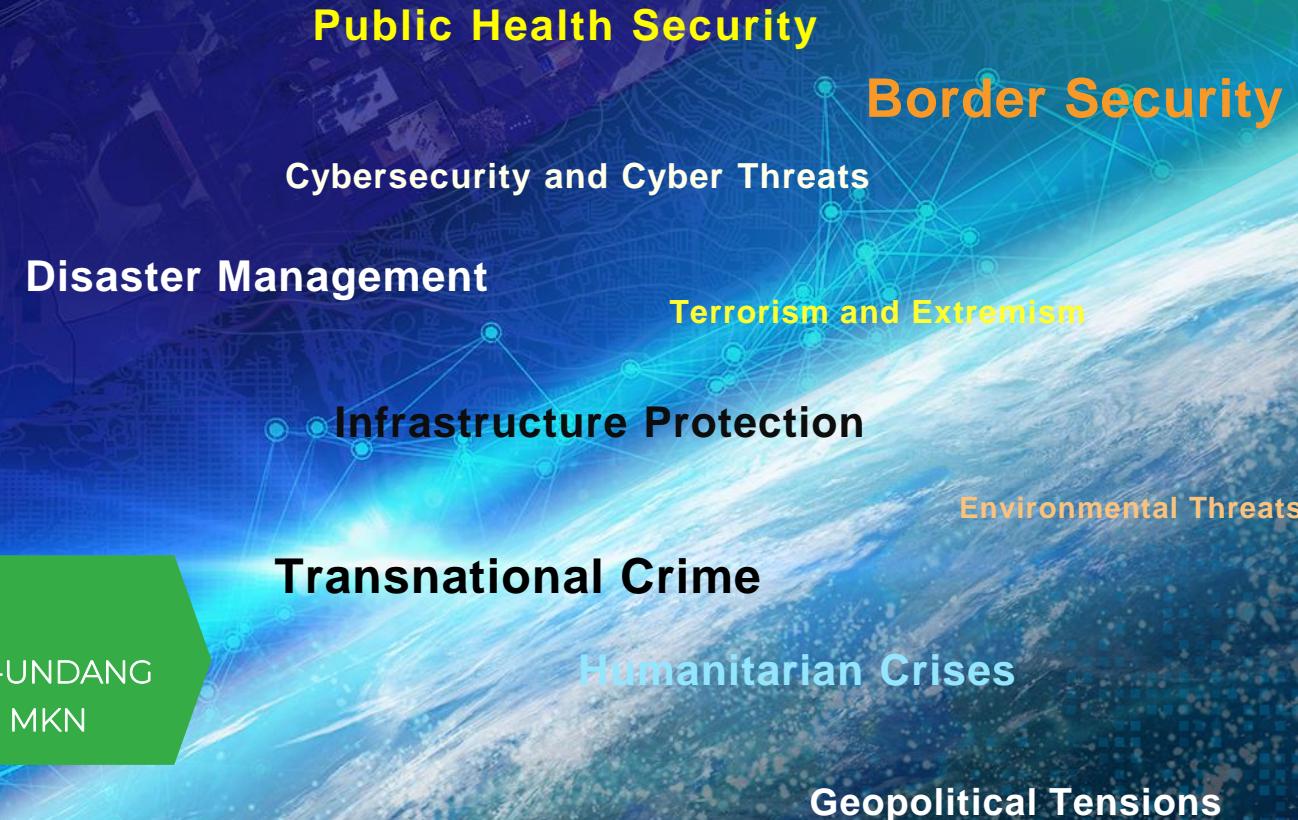
# GEOSPATIAL INFRASTRUCTURE



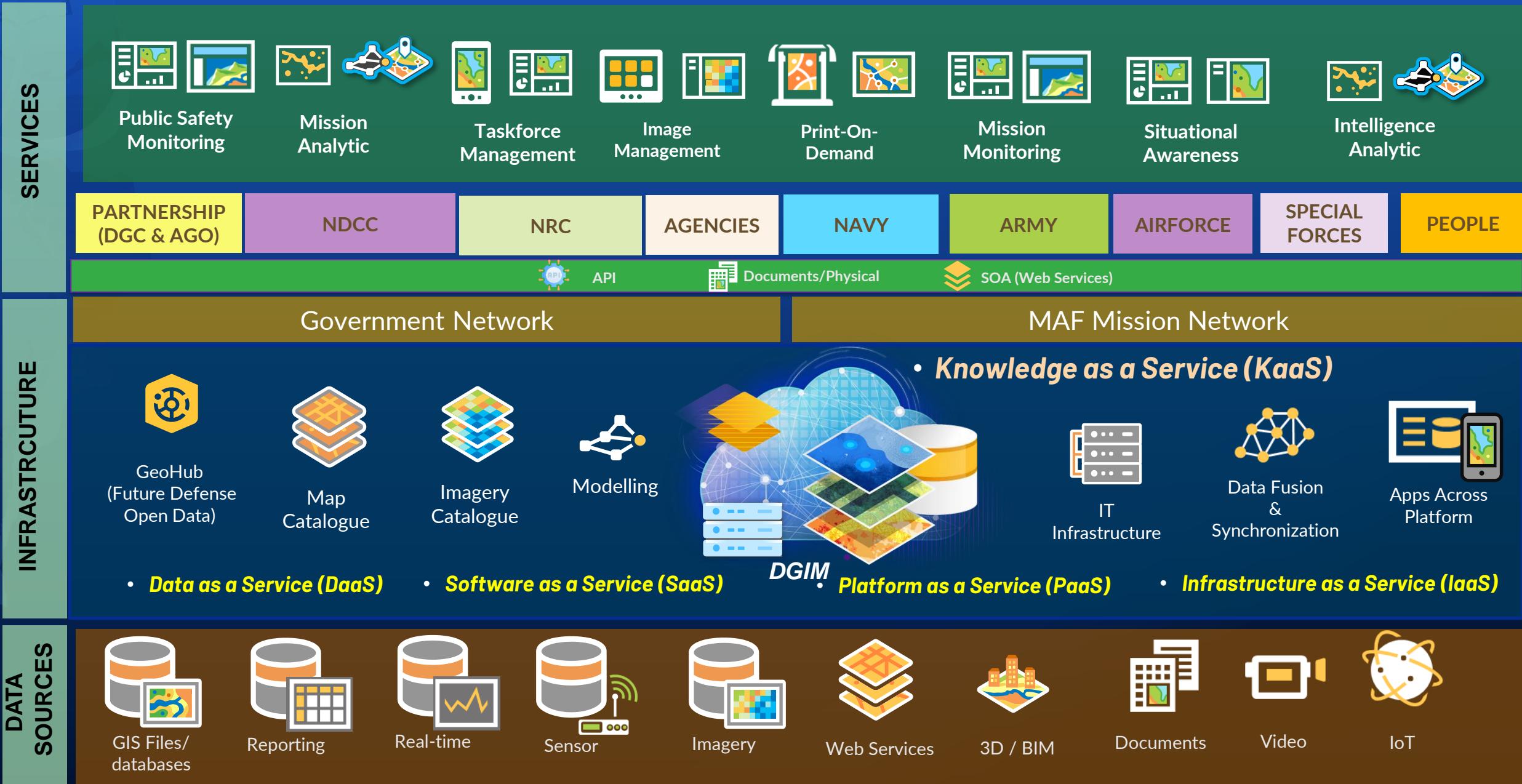
# NATIONAL SECURITY CHALLENGES



*Applying The Geographic Approach . . .*



# DEFENCE GEOSPATIAL INFORMATION MANAGEMENT (DGIM) ARCHITECTURE



# IMPORTANT ROLE OF NATIONAL SECURITY GEOSPATIAL DATA

Seeing the World as One Single Ecosystem

## Actionable Intelligence

enables the extraction of actionable intelligence from diverse sources, including social media, sensors, and open-source data



## Future-Proofing National Security

Quantum computing, artificial intelligence, and emerging technologies will continue to shape the future of National Security.



## Effective Resource Allocation

Optimizing logistics, personnel deployment, and strategic planning, resulting in cost savings and improved readiness.



## Enhancing Situational Awareness

empowers user with real-time insights, bolstering situational awareness on a global scale to ensure that decisions are made with the most accurate and up-to-date information available.

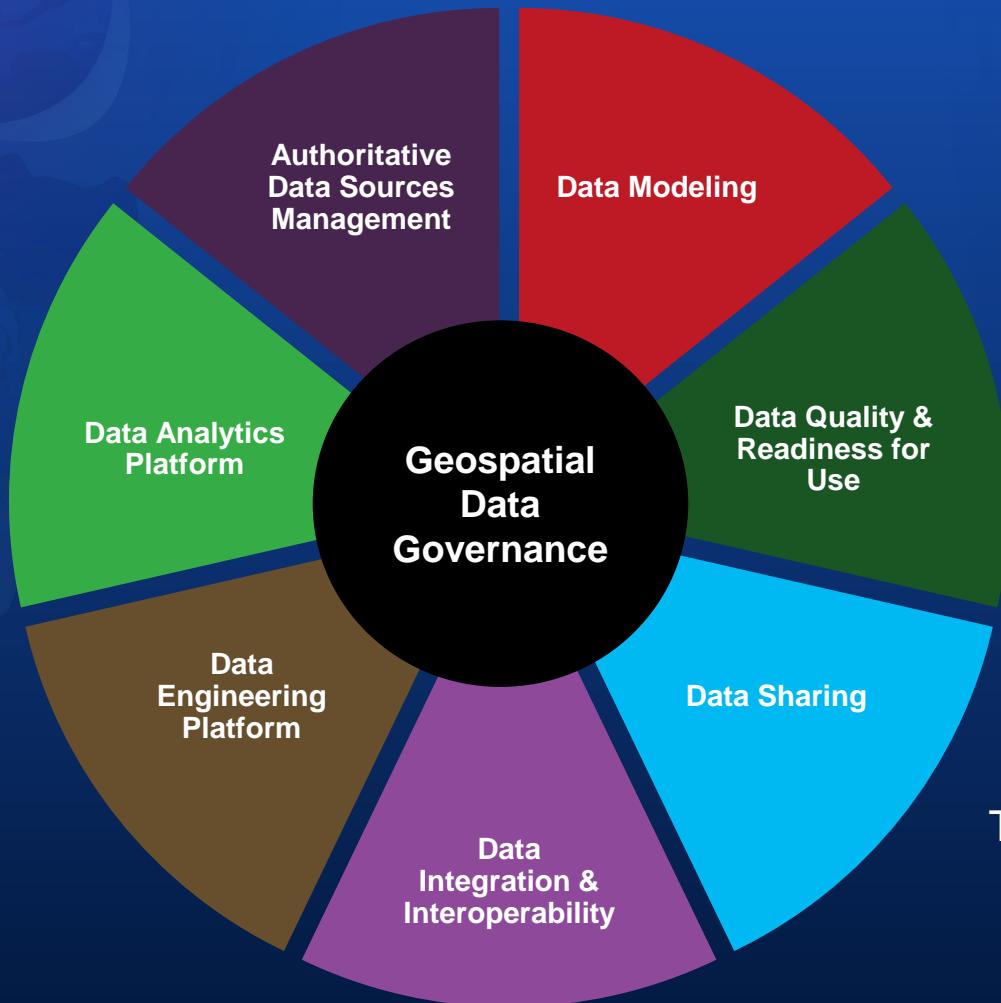


## Threat Detection and Mitigation

identify emerging threats, cyberattacks, and unconventional challenges, allowing user to respond swiftly and effectively.



# GEOSPATIAL DATA POLICY & GOVERNANCE



Emergency Response

Disaster Resilience

Public Services

Global Collaboration

National Security

Effective Decision Making

Resource Management

Spatial Understanding

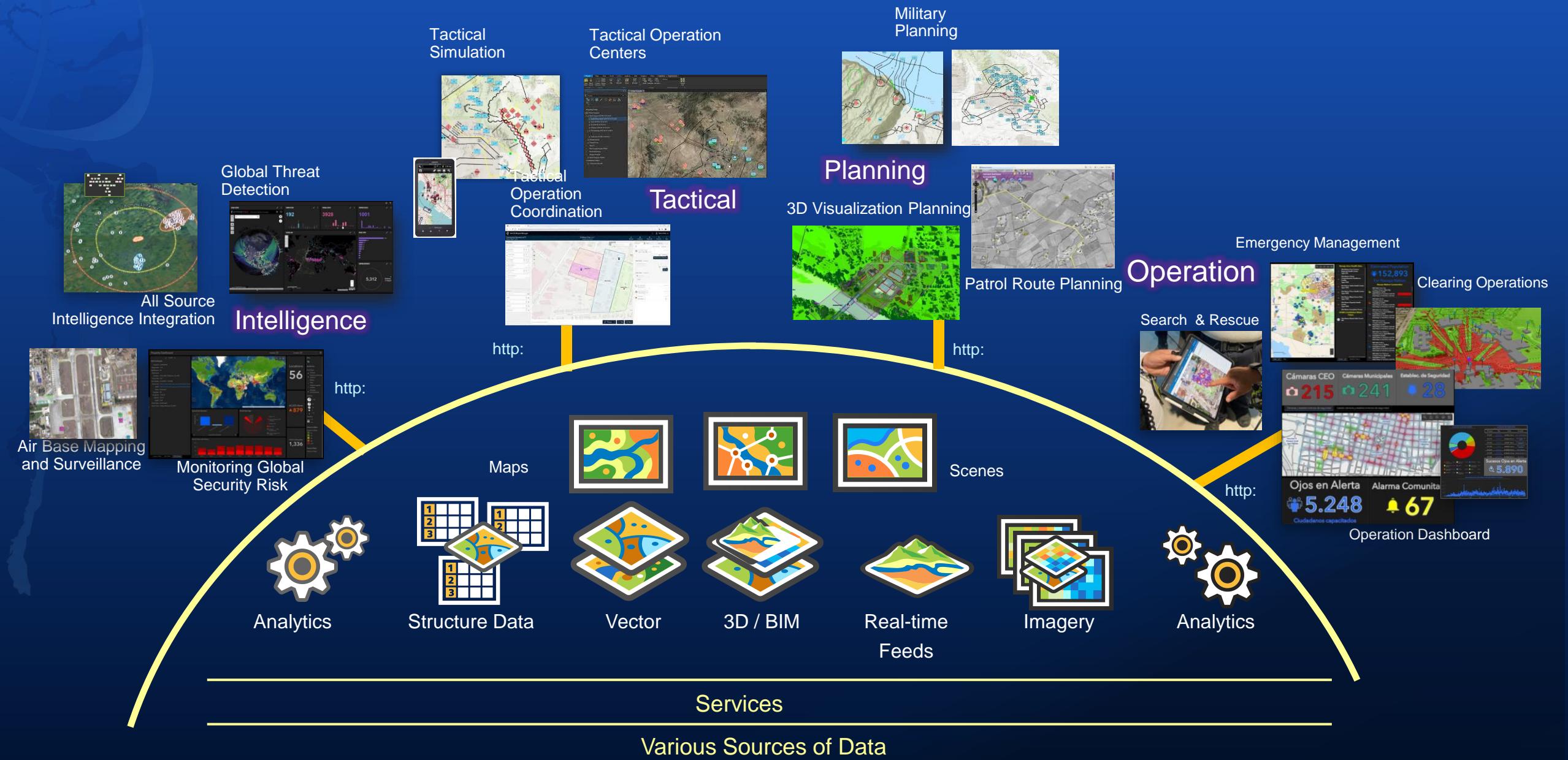
Infrastructure Development

Economic Growth

Transparency and Accountability

Environmental Monitoring

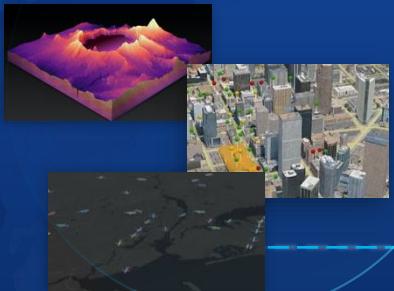
# GEOSPATIAL INFRASTRUCTURE SUPPORTING NATIONAL SECURITY OPERATION



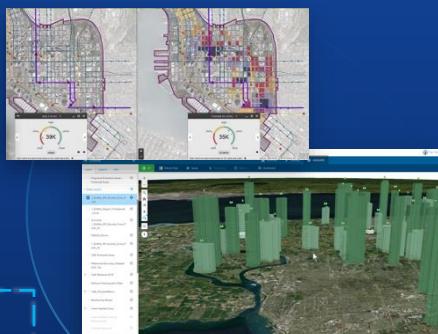
# INNOVATION IN GEOSPATIAL INFRASTRUCTURE

Shaping The Future Of National Security Operation

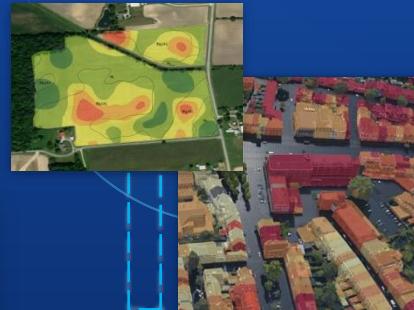
3D &  
Real-Time GIS



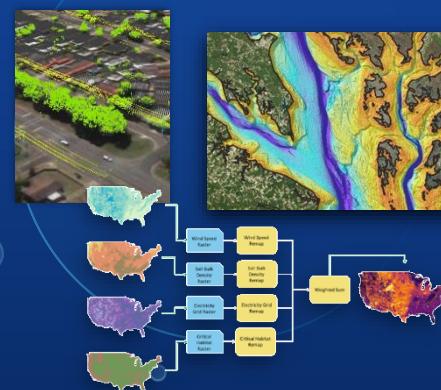
Geodesign



Imagery & Remote  
Sensing



Advanced  
Analytics & AI



Pervasive Web &  
Mobile Apps



Reporting &  
Storytelling



Interactive  
Data-Driven Maps



# DASAR KESELAMATAN NEGARA

## Teras DKN

“Nilai-nilai teras keselamatan negara merupakan nilai yang perlu dipelihara, dikekalkan dan diperkuuhkan bagi menjamin kelangsungan Persekutuan Malaysia sebagai sebuah negara **Berdaulat, Aman dan Sejahtera**”

Sumber : DKN 2021 - 2025



## KEPENTINGAN PERTAHANAN NEGARA



Mempertahankan kawasan daratan, Zon Maritim Malaysia (MMZ), laluan perairan strategik, ruang udara & laluan komunikasi kritis

Mengekalkan kemerdekaan & menyekat campur tangan pihak luar

Melindungi kepentingan ekonomi negara, kesejahteraan rakyat & peluang pembangunan serta kemajuan termasuk kepentingan di luar negara

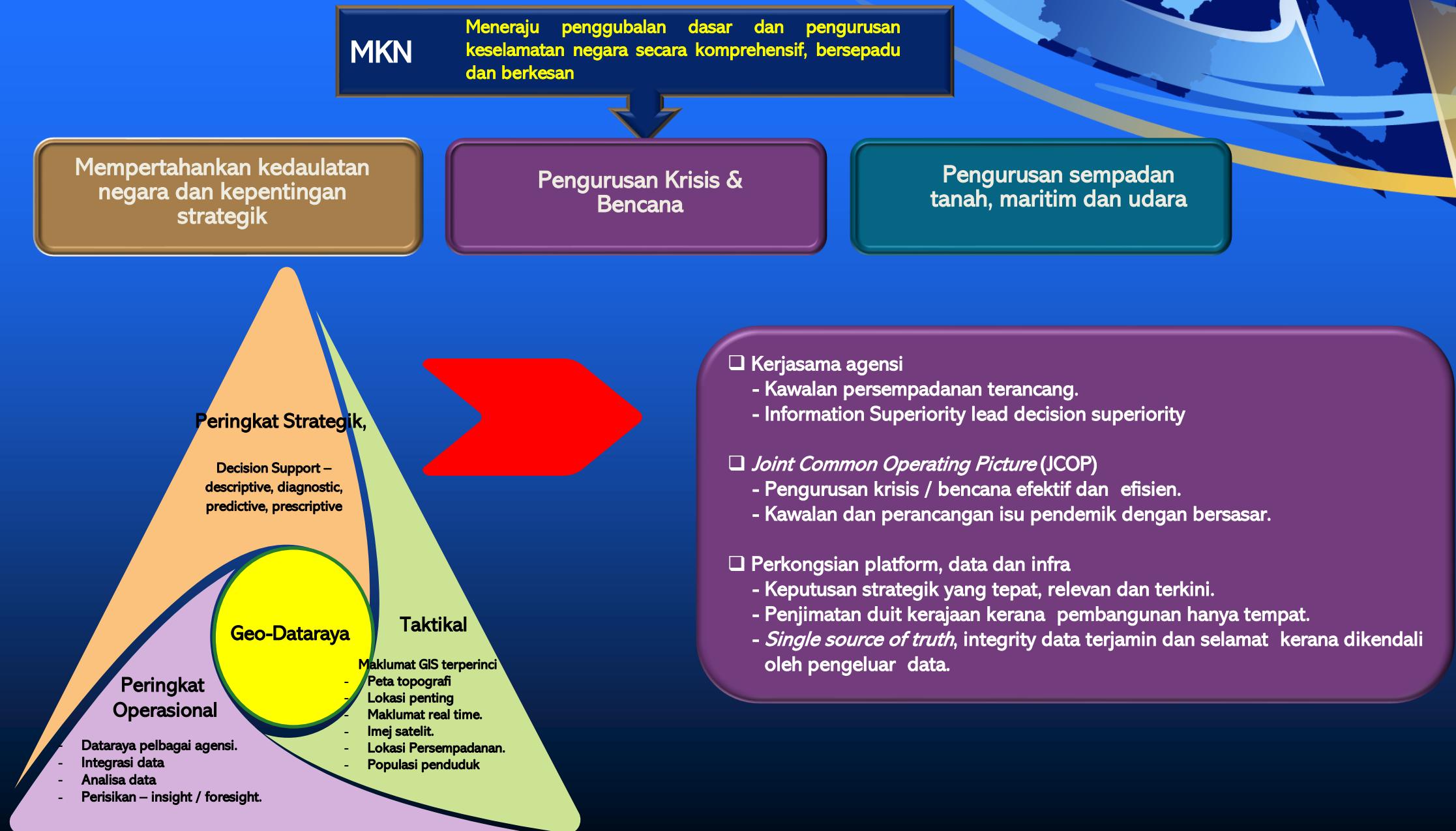


## Visi KPP

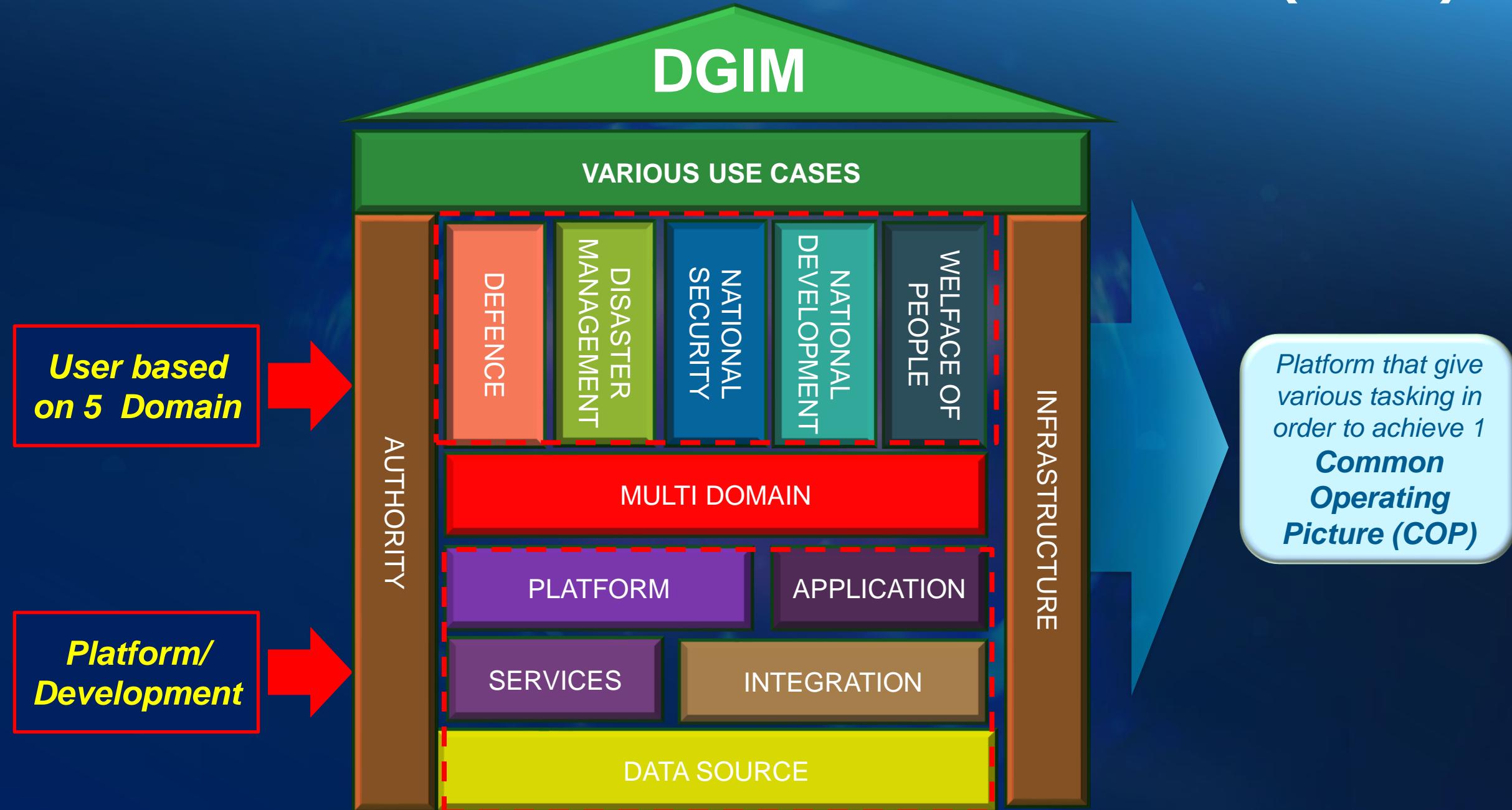
“ Mengelakkan Malaysia Sebagai Negara Yang Selamat, Berdaulat & Makmur ”

Sumber : KPP 2020 – 2030

# DASAR KESELAMATAN NEGARA



# DEFENCE GEOSPATIAL INFORMATION MANAGEMENT (DGIM)



# DGIM DELIVERS POWERFUL JCOP

## Supporting Many Types of Missions

**Powerful Desktop Apps**

ModelBuilder (Defense Analysis)

Pro for Intel

3D (Visibility)

Insights

Awareness

Task Management

Data Collection

Tracking

COP Dashboards

Community Profile

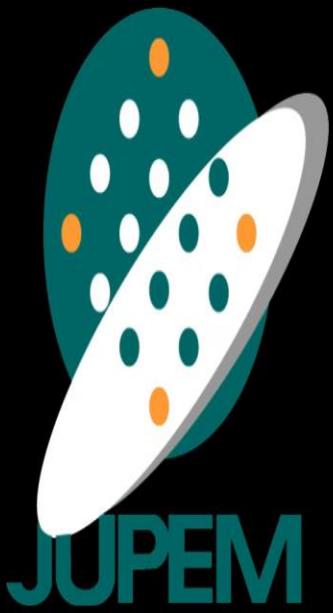
Infographics

Story Maps

Mapping

DGIM Infrastructure

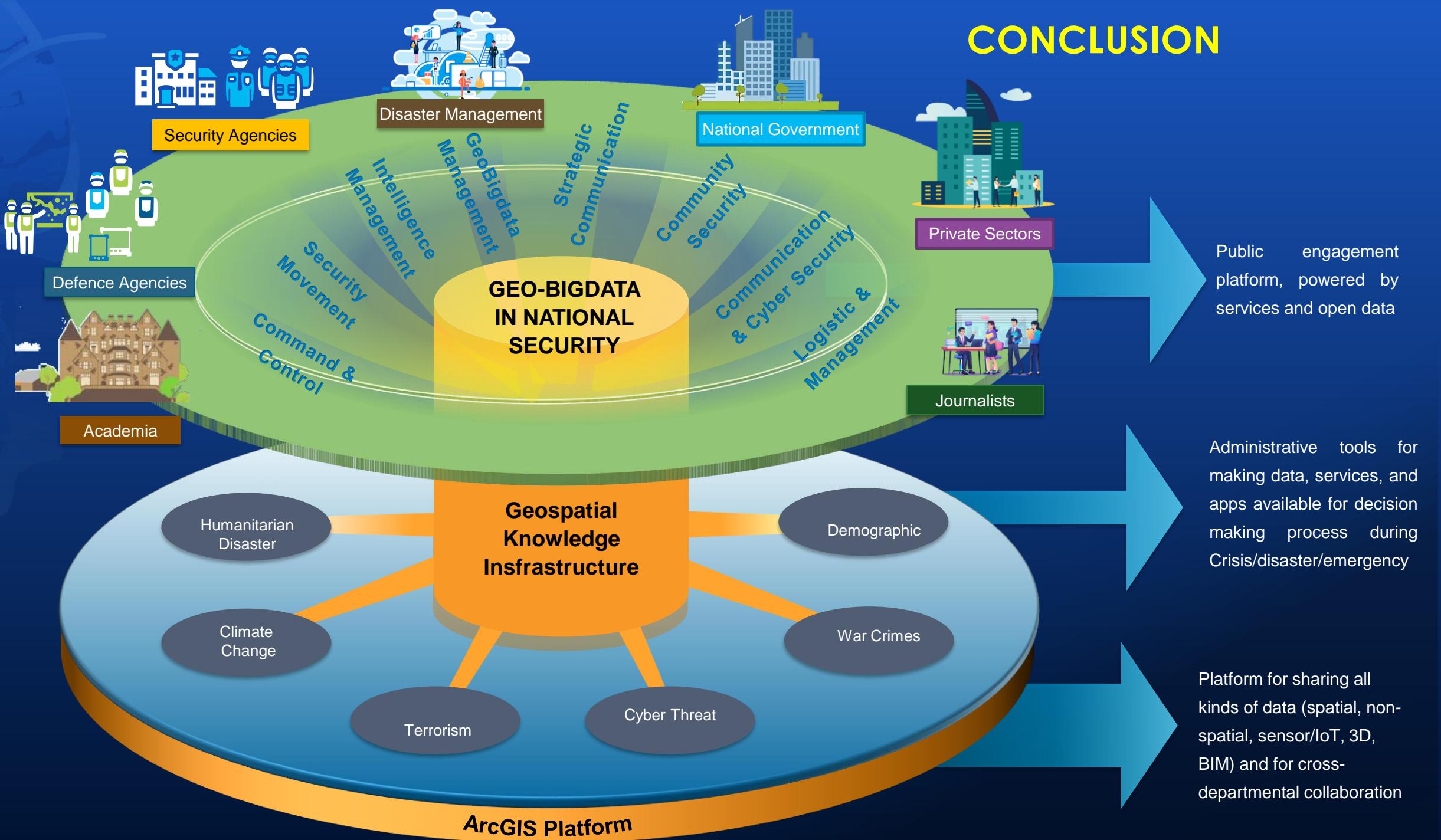
Empowering Everyone . . .  
across all Domains



PEMBANGUNAN APLIKASI COP DAN DASHBOARD COVID-19  
BAHAGIAN GEOSPATIAL PERTAHANAN (BGSP) JUPEM



# CONCLUSION







TERIMA KASIH

