



**CARIGEO**

Caribbean Geospatial  
Development Initiative

**GEO-EMPOWERING THE CARIBBEAN**



## Supporting a Smart Nation with the Singapore Geospatial Masterplan

**Ng Siau Yong**

Director, Geospatial & Data, and Chief Data Officer,  
Singapore Land Authority

# ●●● Accelerated Growth of Geospatial Analysis Market

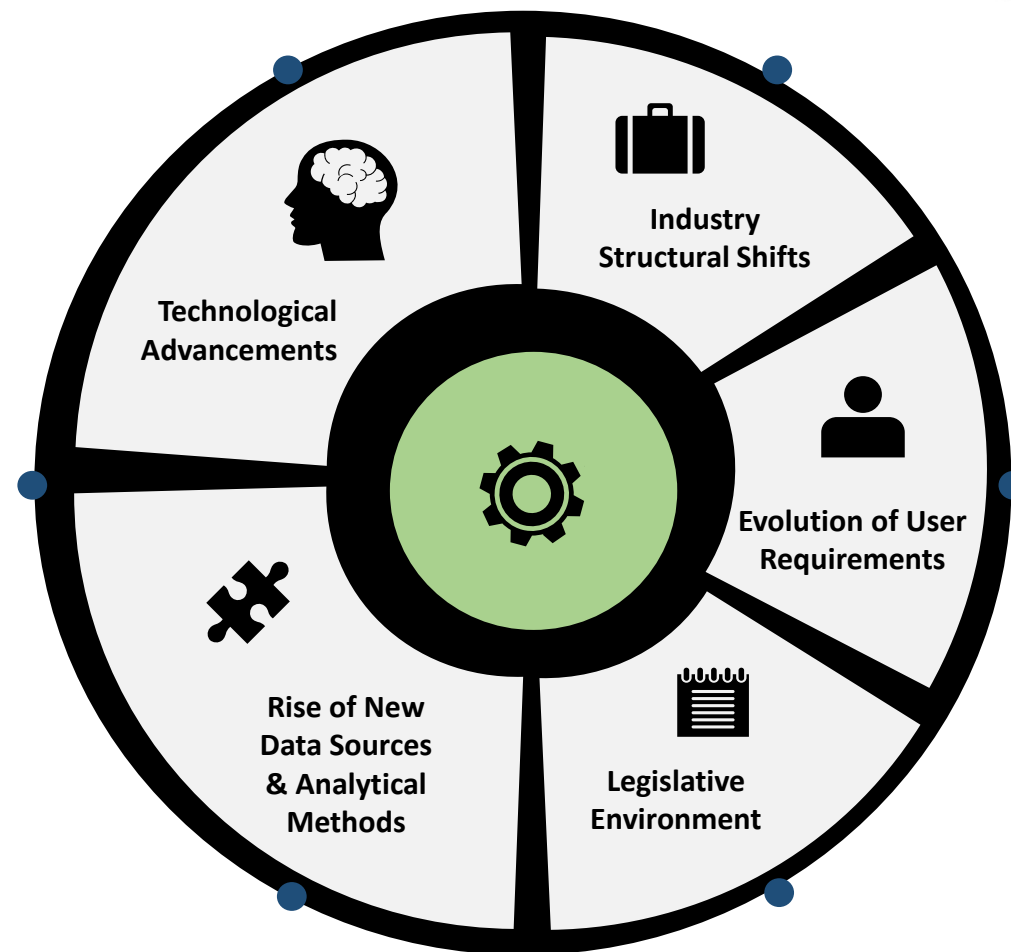
Inkwood Research (2020):  
Expected Compound  
Annual Growth Rate  
(CAGR) for the Global  
Geospatial Analytics  
Market is over 14% by  
2028.



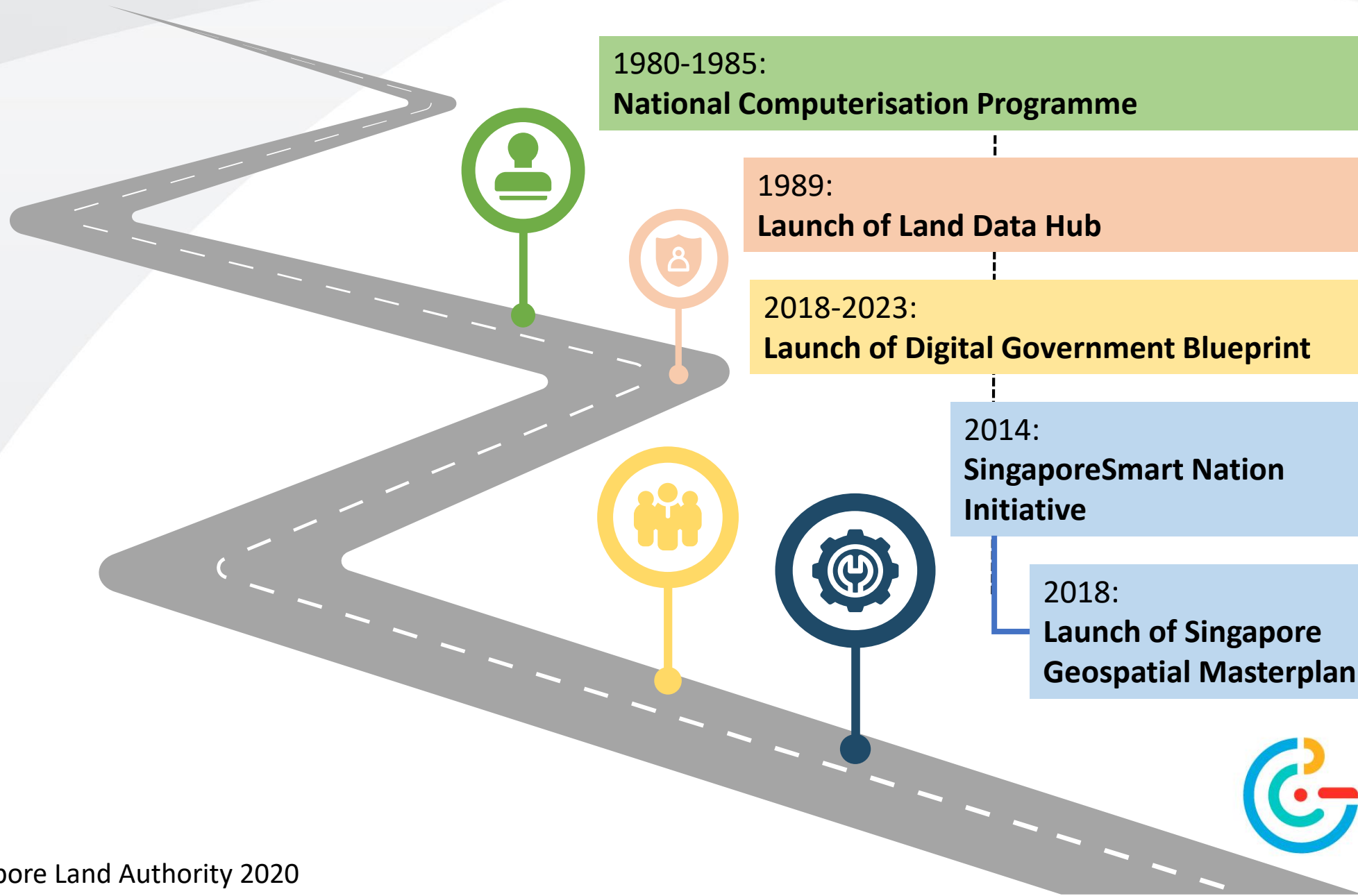
# Future Trends in the Geospatial Industry

“...an increased convergence of geospatial technology, location-based services and enterprise IT into one integrated system”

Future Trends in Geospatial Information Management, UN-GGIM, 2020



# ... Key Milestones in Singapore's Geospatial Journey



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# Supporting a Smart Nation with the Singapore Geospatial Masterplan

A Geospatial Powered Singapore

Singapore Geospatial Master Plan

**A  
GeoSmart Government**

An effective & trusted public service driven by geo-enabled processes in policymaking, planning and operations.

**A  
Thriving GeoIndustry**

Establishing Singapore as the GeoHub of the region with wider adoption & a vibrant enterprise ecosystem.

**A Nation of  
GeoEmpowered People**

A geospatially-savvy population & competent workforce for increased productivity & better lives.

**Strategic Thrusts**

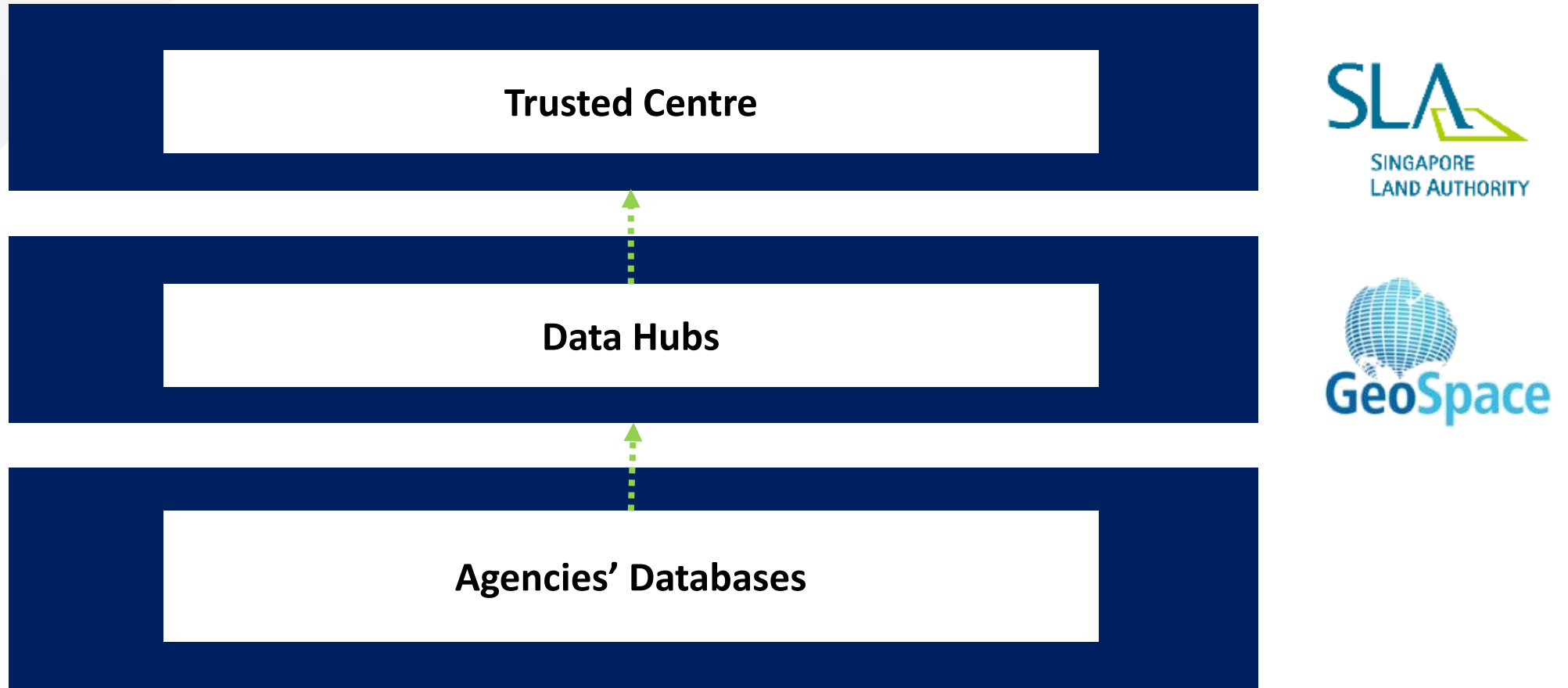
**Key Mechanisms**

Geospatial Trusted Centre + **GeoWorks** Singapore Land Authority + Geospatial Capability Centre





# Strengthening Geospatial Governance with a Geospatial Trusted Centre



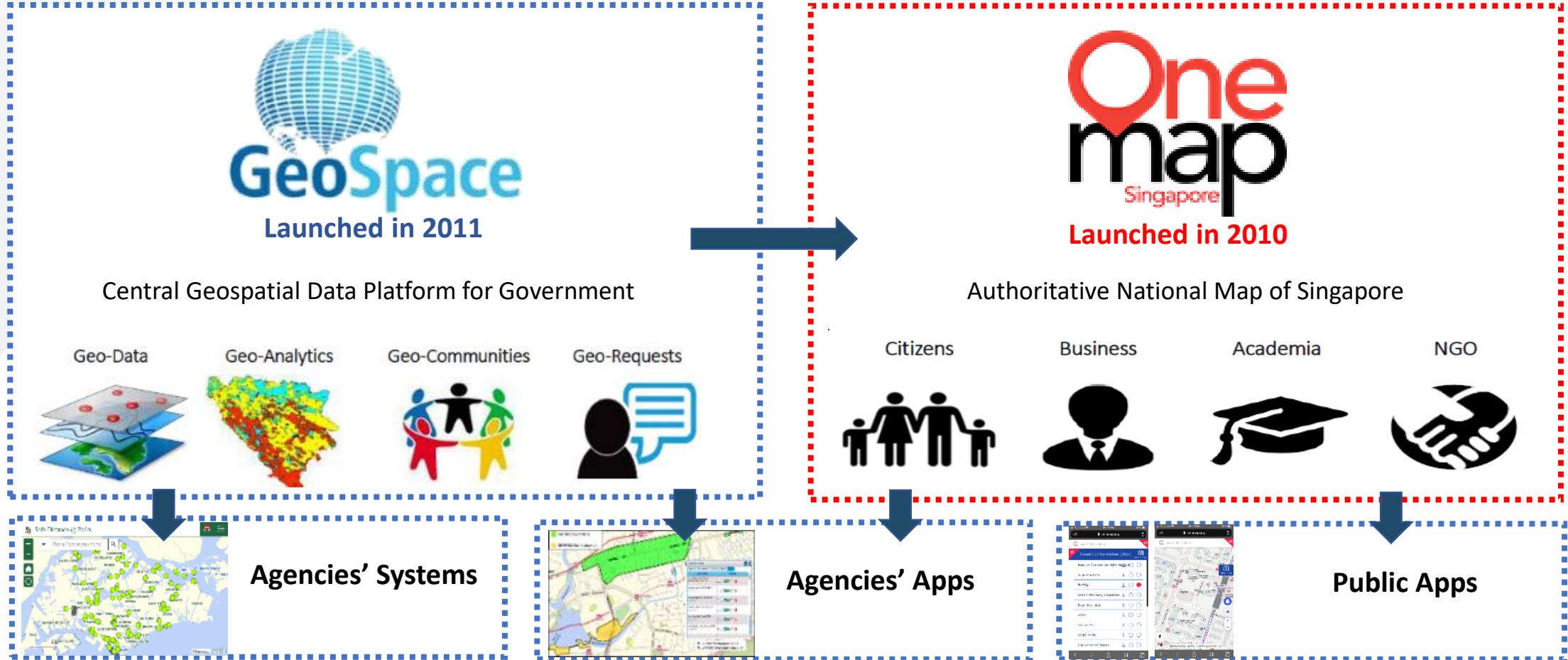
Overview of the new Government Data Architecture for Data Governance and Sharing







# Strengthening Geospatial Governance with a Geospatial Trusted Centre

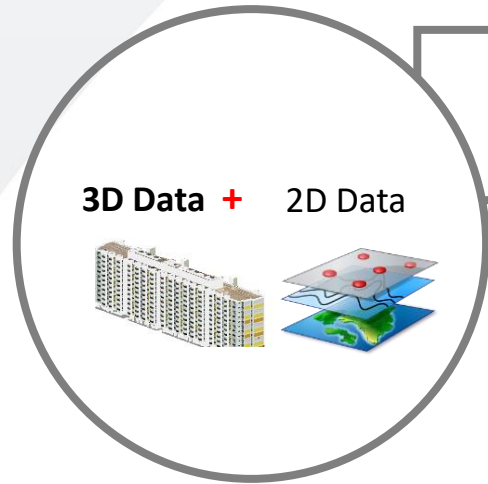


WOG Platforms to enable data sharing



# ... Developing Geospatial Tools & Collaborative Innovation at GeoWorks

## GeoWorks



### 3D Singapore Sandbox (Businesses *SLA + Private Sector*)

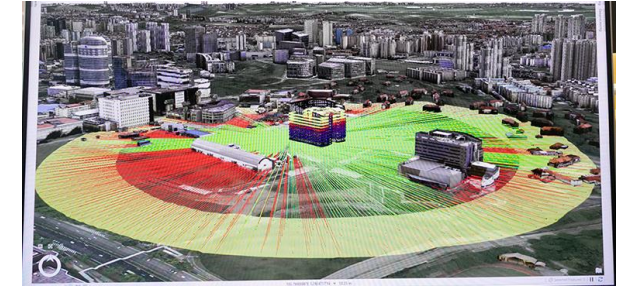


- Unclassified 3D and 2D data
- Private sector data
- Test/explore new business solutions
- First target at logistics, real-estate, and construction

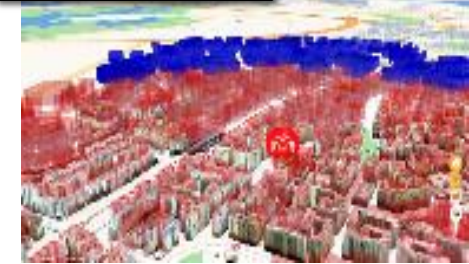
### OneMap 3D (Public) *SLA*



- Unclassified 3D and 2D Data
- Public service information
- Citizen services



3D School Query



3D Property Query







# Building Geospatial Capabilities with a Geospatial Capability Centre



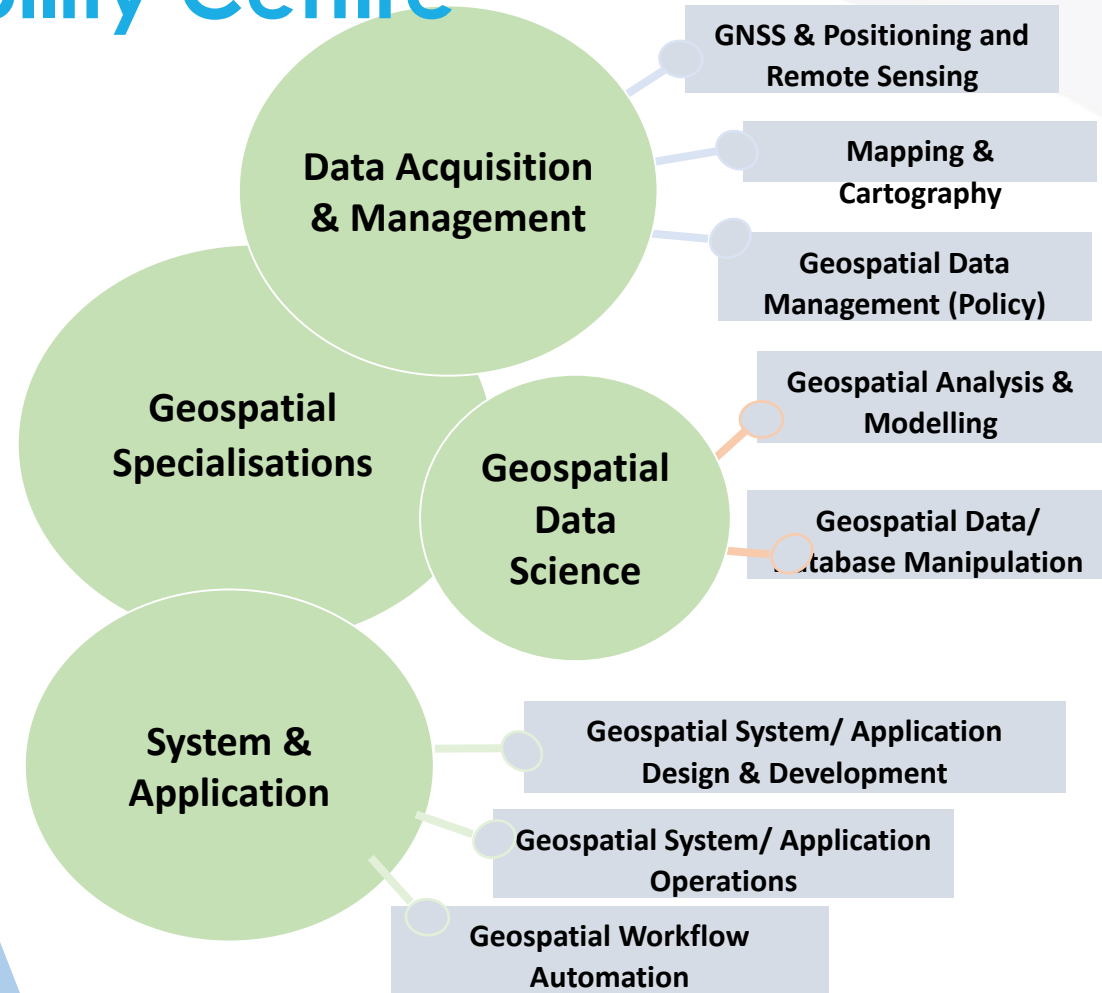
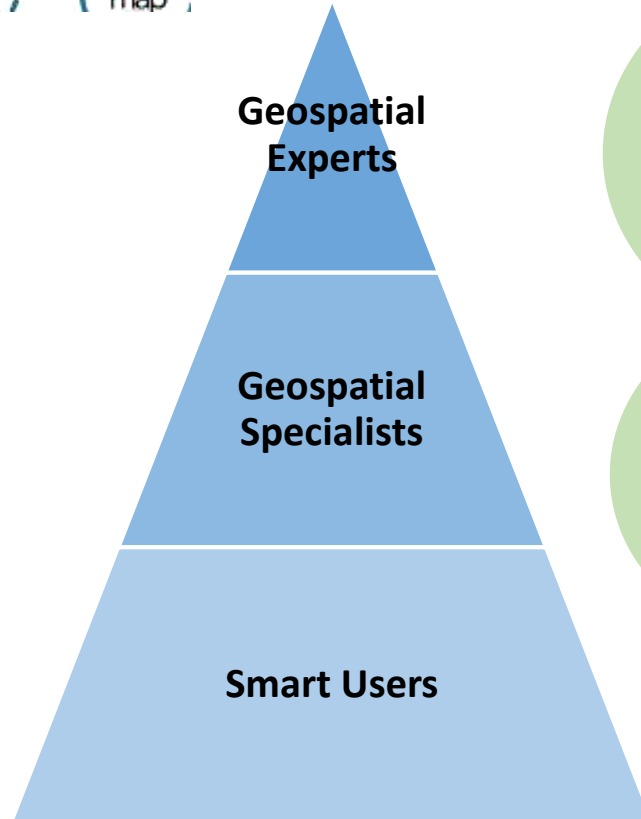
Singapore Geospatial Scholarship



Scholarship Programmes

Training Courses

Competency Framework



# ... Challenges in Realising Visions of a Smart Nation



**Instilling Confidence and Trust for Effective Technology Adoption**

**Developing Relevant Tech-skills to Address World Challenges**



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**Thank you**

30th October 2020