Public-private partnerships: National Mapping and Geospatial Agencies

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"A politician is not interested in doing things that have no societal impact”

(Governor of Vihiga County, Kenya)
What is fundamental geospatial data?

Geographical Names
Addresses
Functional Area
Settlements
Land Parcels
Transport Networks
Elevation/Depth
Population Distribution
Land Cover/Use
Geology/Soils
Physical Infrastructure
Imagery
Water

Available
Accessible
Useable

Fit for Purpose (content, currency & accuracy)

Create once, use many

Trusted
It’s a scary world for NMGAs

• Making large amounts of raw data actionable
• Pace of change in geospatial technologies
• IoT, automation, 4th Industrial Revolution
• Requirement: Currency, accuracy, detail
• Competition: Crowd, Google etc, other government agencies
• Public task v open data v commercial business
• Access to political and fiscal investment
• Capacity to change
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The NMGA factory

Capture Data
- Multi source
- Multi format

Agile Architecture
- Interoperable
- Maintained

Optimised outputs
- In whatever shape or form you need

Onto the cloud?.....
Capacity to change - a wider view of the necessary platform for progress?
Transformation......

......takes time

- Tech and processes for comprehensive GI data creation, management and services
- Creating Fundamental data
- Building capacity
- Establishing models and policies that accelerate the benefits of GI

Benefits

Project funding: Tech, processes, training, initial data, policies, standards, business and government enablement

NMGA Capability Growth

Ongoing partnership
PPP - Building, serving and exploiting data

Private sector provide managed services – long term not project focus

Where will capital, slow capacity change or staff retention impact transformation?
PPP is two way

• Last Week’s UK Budget Announcement
  • “The UK has some of the best geospatial data in the world, and much of it is held by public bodies. The potential economic value of this data is huge.

• To further boost the digital economy, the government will work with Ordnance Survey, and the new Commission, to establish how to open up freely the OS MasterMap data to UK-based small businesses

• Training, innovation and incubation
Thank you

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