INTERGRAPH
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Southern Africa

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M.App Enterprise – Connecting your World

Disruptive Technology / Applications

Martin Kamphuis (Business Manager)

October 9th 2020

Once upon a time we had tools but data was difficult to come by. . .

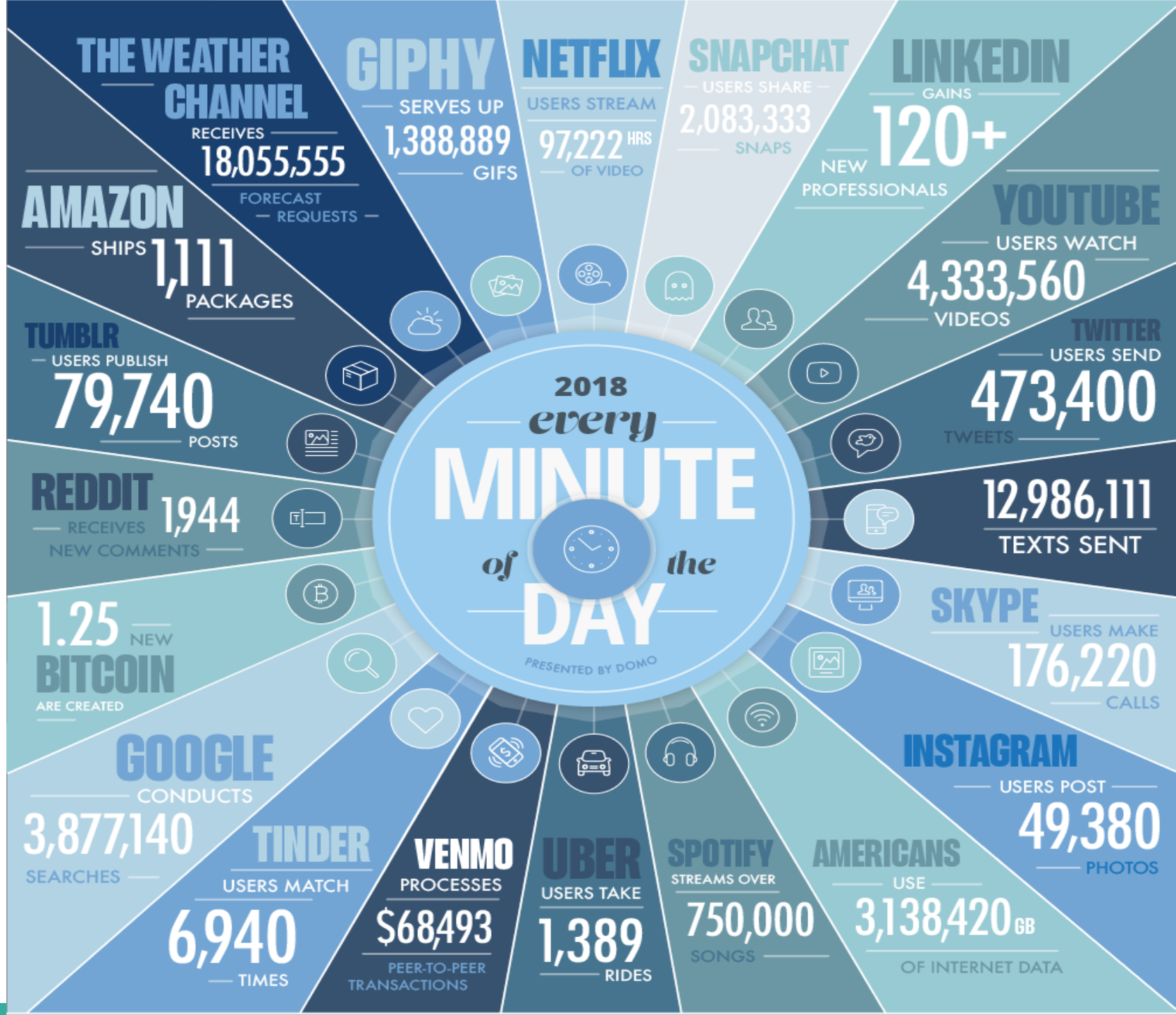

Image courtesy of Domo

https://www.domo.com/blog/data-never-sleeps-6/

APR 2020

DIGITAL AROUND THE WORLD IN APRIL 2020

THE ESSENTIAL HEADLINE DATA YOU NEED TO UNDERSTAND MOBILE, INTERNET, AND SOCIAL MEDIA USE

TOTAL POPULATION

7.77 BILLION

URBANISATION:

55%

UNIQUE MOBILE PHONE USERS

5.16 BILLION

PENETRATION:

66%

INTERNET USERS

4.57 BILLION

PENETRATION:

59%

ACTIVE SOCIAL MEDIA USERS

3.81 BILLION

PENETRATION:

49%

SOURCES: POPULATION: UNITED NATIONS; LOCAL GOVERNMENT BODIES; **MOBILE:** GSMA INTELLIGENCE; **INTERNET:** ITU; GLOBALWEBINDEX; GSMA INTELLIGENCE; LOCAL TELECOMS REGULATORY AUTHORITIES AND GOVERNMENT BODIES; APJII; KEPIOS ANALYSIS; **SOCIAL MEDIA:** PLATFORMS' SELF-SERVICE ADVERTISING TOOLS; COMPANY ANNOUNCEMENTS AND EARNINGS REPORTS; CNNIC; CAFEBAZAAR; KEPIOS ANALYSIS. ALL LATEST AVAILABLE DATA IN APRIL 2020. ◆ **COMPARABILITY ADVISORY:** SOURCE AND BASE CHANGES.

we are social

Hootsuite

HEXAGON
GEOSPATIAL

The Geo-Ops Challenge

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DATA PRODUCTION

CAD, BIM

GIS

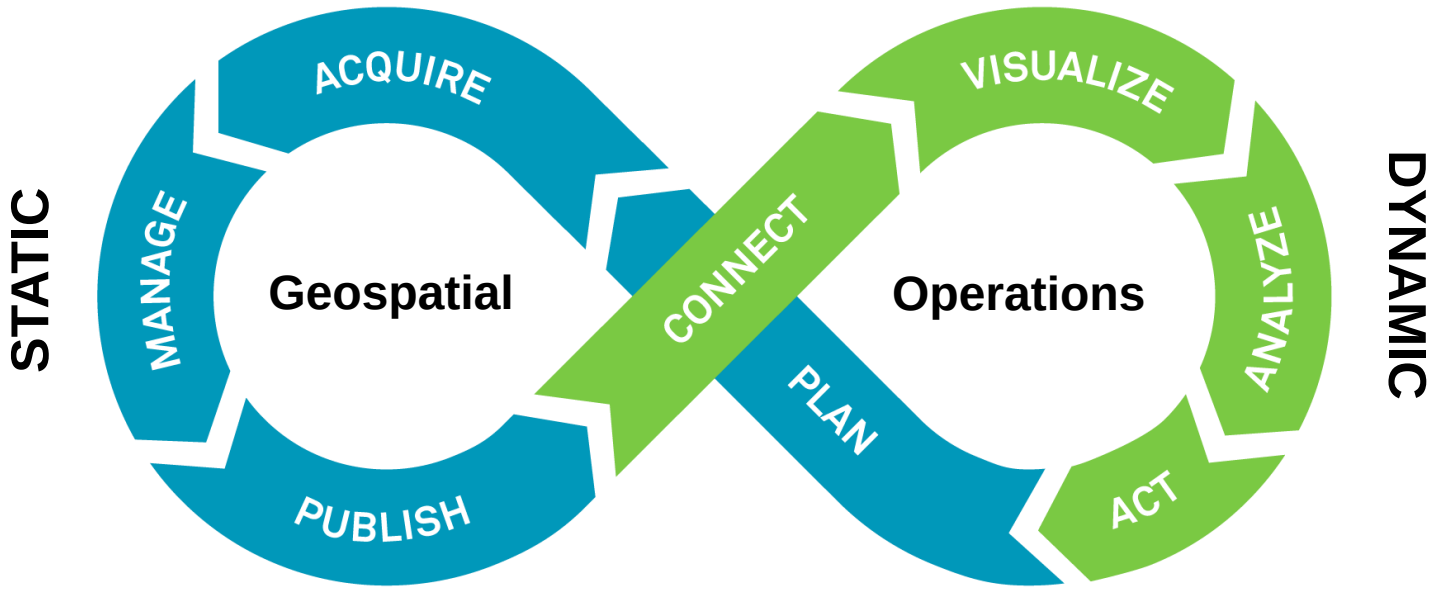
Photogrammetry

Surveying

Cartography

Sensor

SILOS & DISCONNECTS



Organizations need to lessen the time between data production and operational use

OPERATIONAL USE

Roads

Aviation

Defense

Maritime

Industrial

Government

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What do we need?

One platform utilizing geospatial information for enterprise organizations

Dynamically addresses enterprise location-based challenges

Multiple deployment models (Accessible anywhere, anytime)

Operational use by business/IT

Geoprocessing, AI, machine learning for processing data

Confidential

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Provide the Best Tools for the Different Roles

Manager

Specialist Division

Field Crew

GIS Experts

Simple

Complex

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M.App Enterprise
Privately Hosted Smart M.Apps
INFRASTRUCTURE
SAFETY
PUBLIC WORKS
PARKS & RECREATION
ECONOMIC DEVELOPMENT

M.App Enterprise

Enterprise Platform for Smart M.Apps on Every Device

Monitor

- Advanced analytics and geoprocessing
- (IoT) sensor integration
- Any type of data

Evaluate

- Decision-making platform
- Intuitive dashboards in 2D and 3D
- Advanced business logic and enterprise rules sets

Act

- Any device (desktop, browser, mobile)
- Multiple users and profiles
- Powerful workflow engine

M.App Enterprise – Building Blocks

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My Apps Page

Rich Client

Mobile

Web
based on LuciadRIA

Client

M.App Enterprise Studio
Configuration and Administration

M.App Enterprise Foundation
Map and Query Frameworks
Delivery, Workflow and Data Access Services

Geoprocessing Engine

LuciadFusion
Data Management and 3D data access

Content
Spatial Databases, OGC, ERP Systems, Catalogue, …

Server

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M.App Enterprise – Examples

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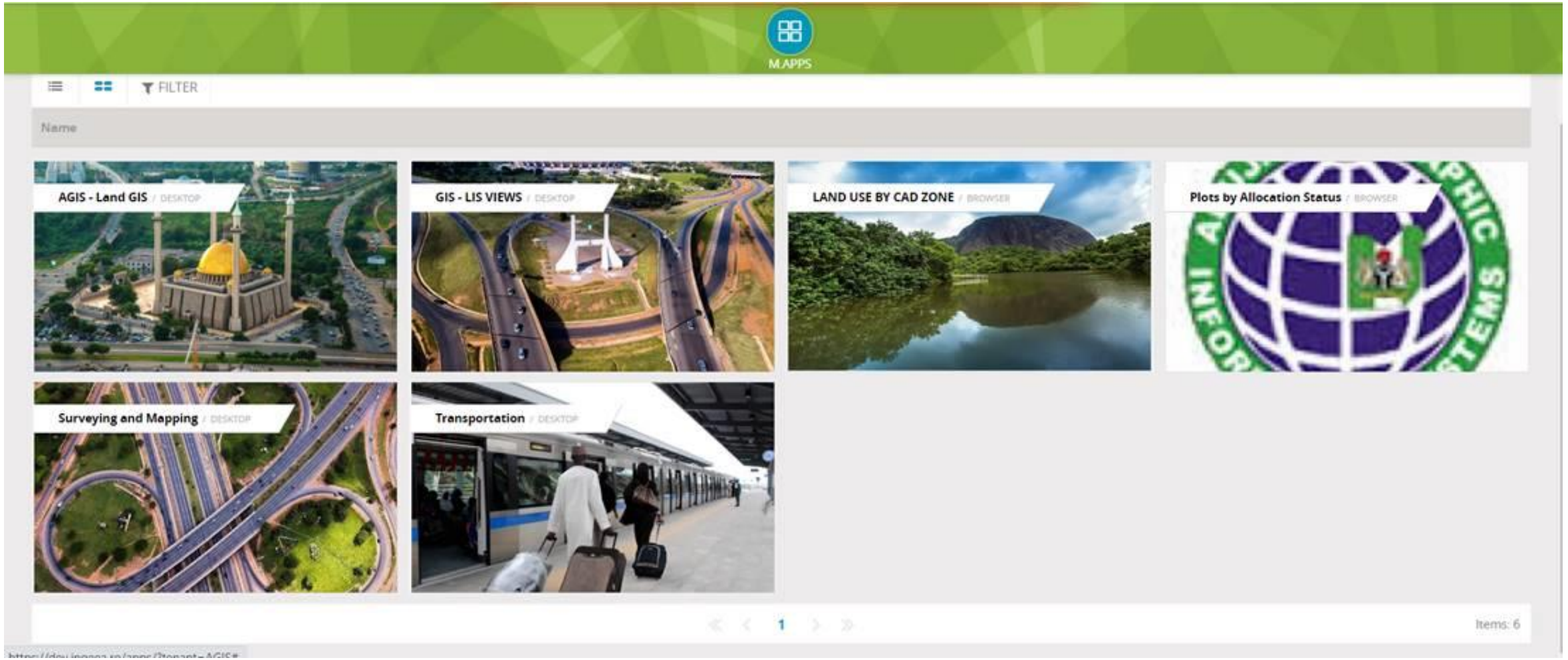
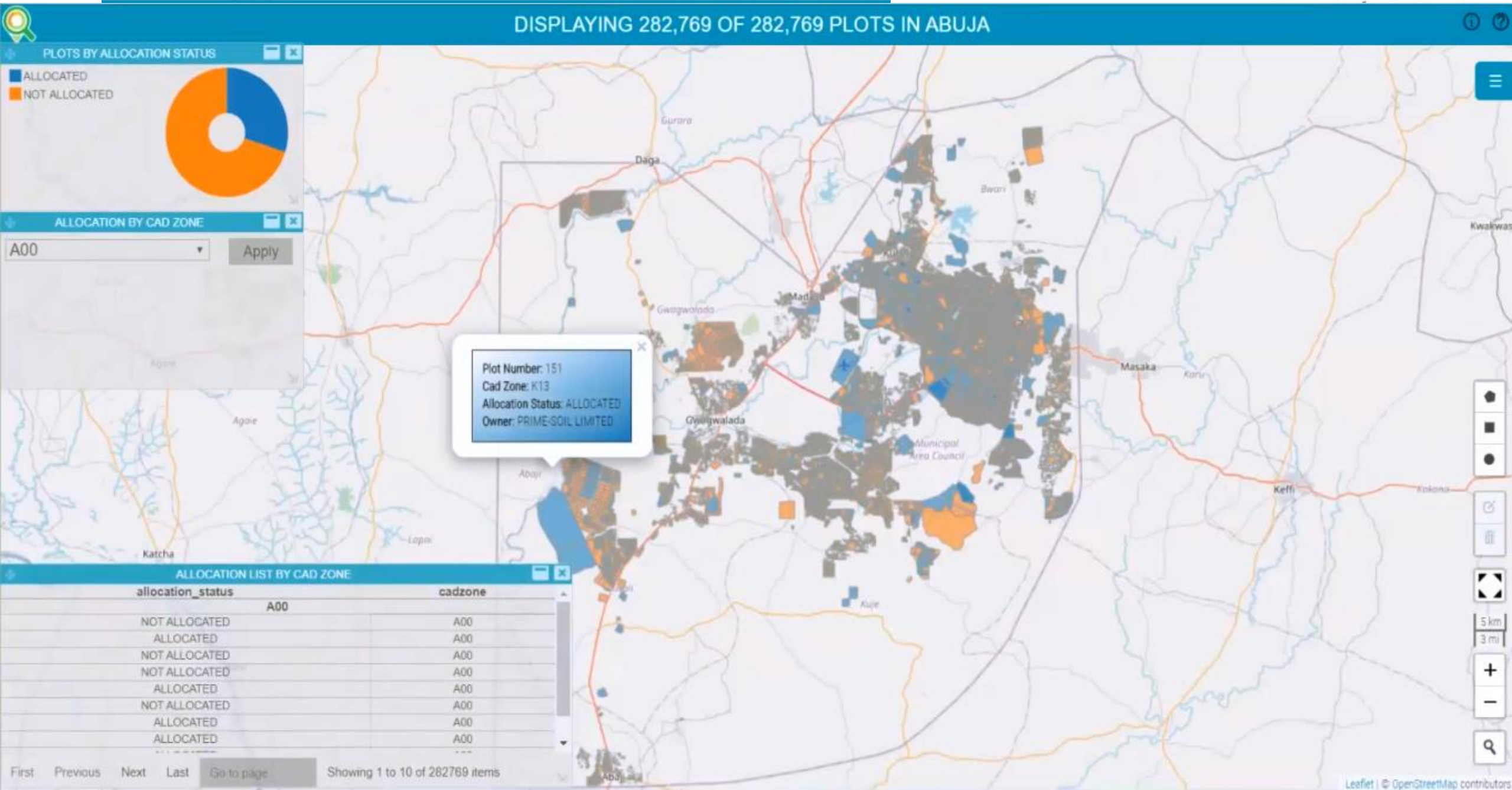
AGIS – Land Information Management System



AGIS – Land Information Management System



AGIS – Land Information Management System

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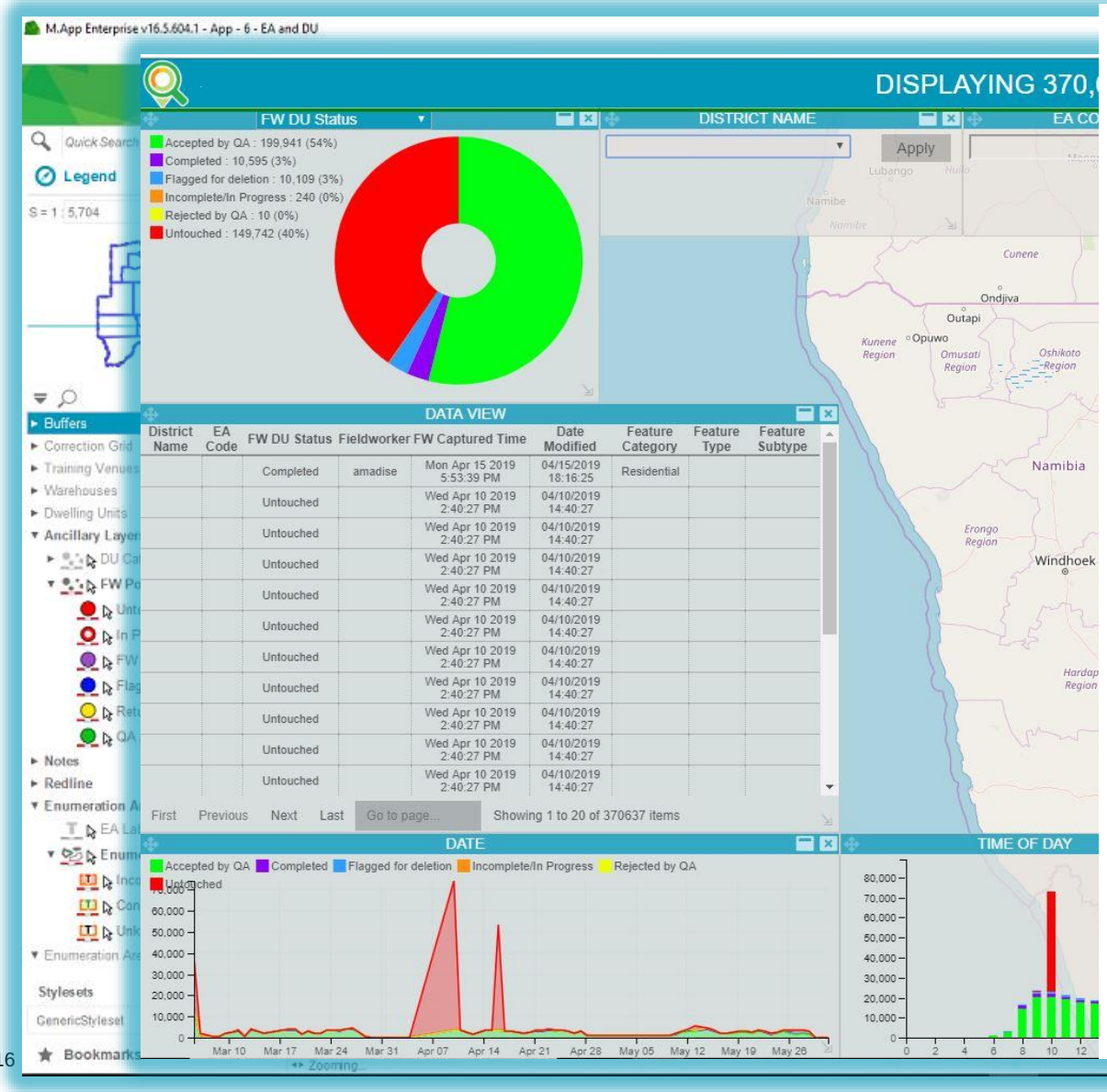
Smart Census (Census Mapping)



GeoSpace

CITY OF CHATTANOOGA: 2018 COLLISIONS

Feature Analyzer

Accident monitoring

M.App Enterprise Examples

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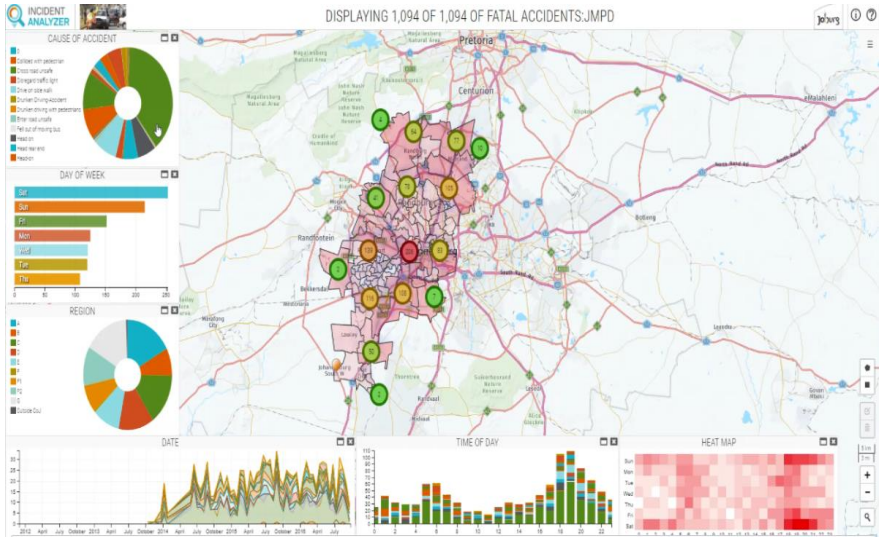
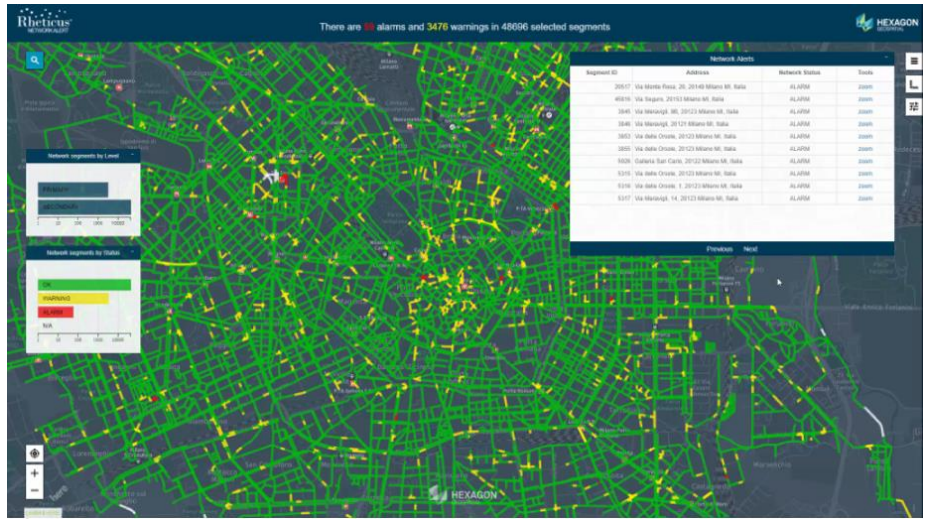
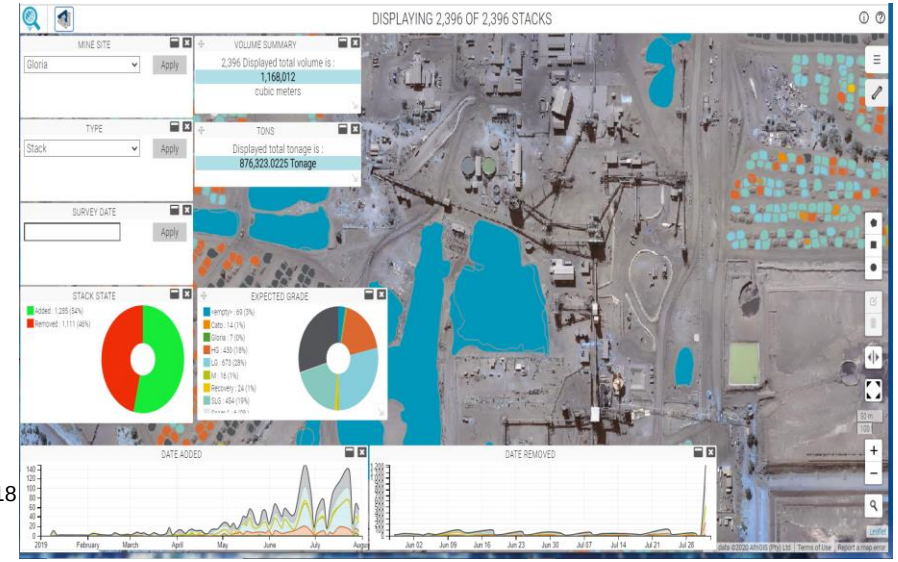
Monitoring Crime Intelligence



Displacement Monitoring



Managing Stock Piles



Fire Risk Mapping

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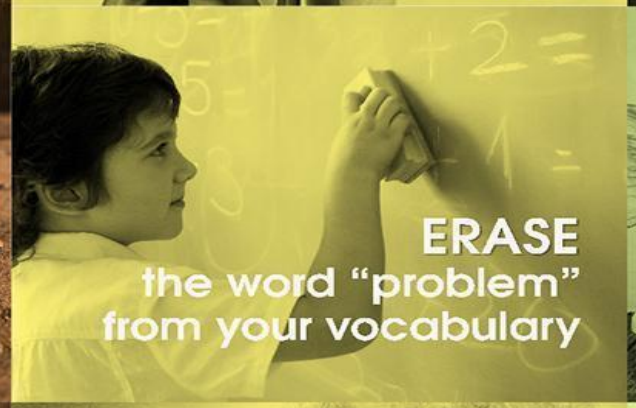
The magic to THINK BIG



THANK YOU