LUCIAD PRESENTATION

Oman Geospatial World Forum 2017

KEEPING UP WITH DATA: SMART CITIES IN 3D



HUMANS ARE VISUAL

40% of all nerve fibers connected to the brain

are linked to the retina

HUMANS ARE VISUA

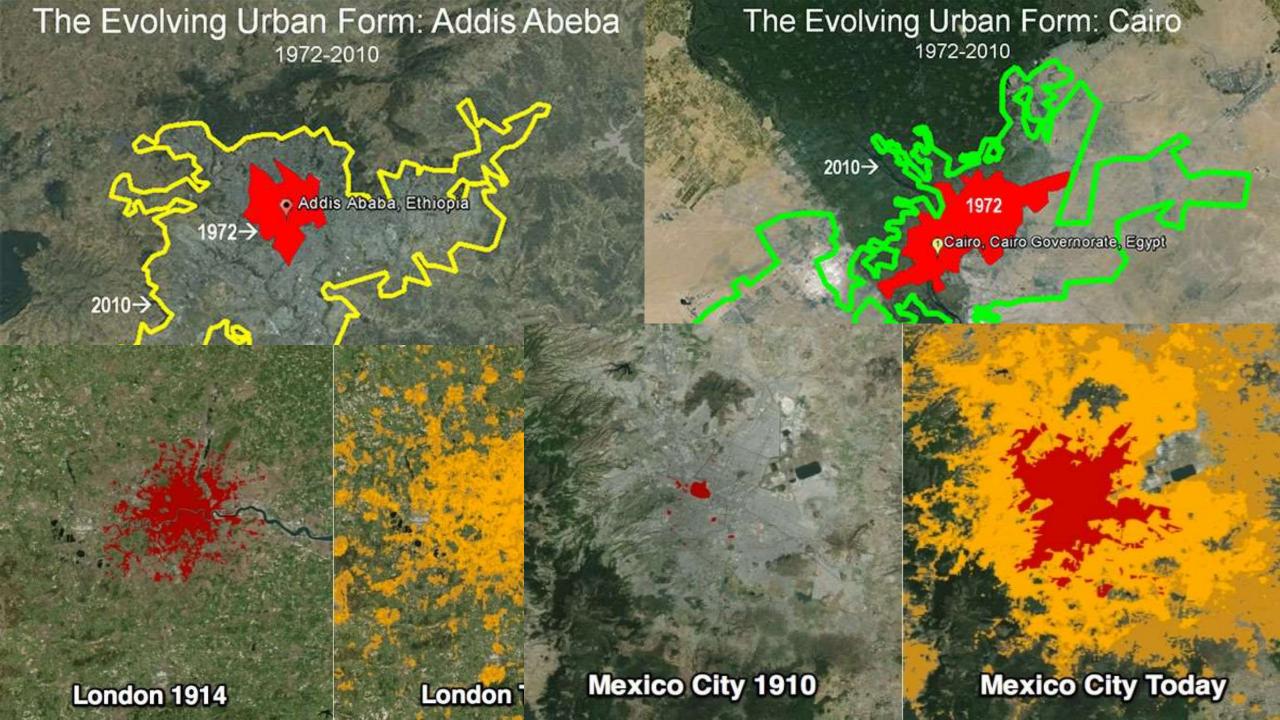
Interactive visualization

is one of the main challenges

to gain insight into

BIG DATA

-Gartner





IOT is in fact

TOTAL CITY NETWORK CONNECTIVITY

- → Street Lights
- → Energy Grids
- → Video
- → Water
- → Utilities











DATA IS NOT INFORMATION





CHALLENGES OF SMART CITY DATA

LUCIAD



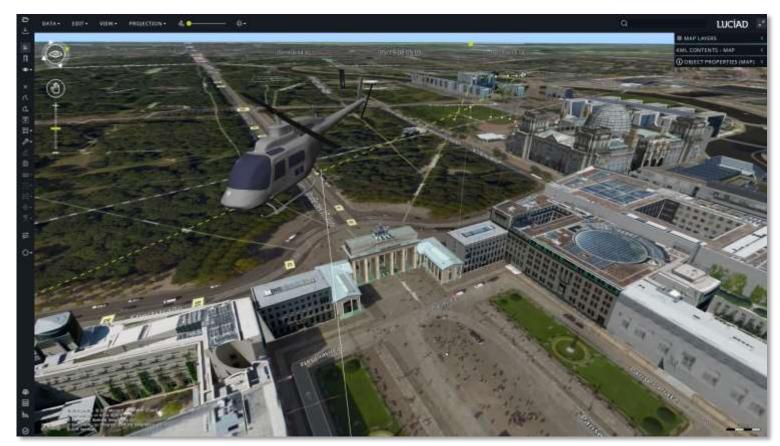
ORACLE

- → Data sources
- Accuracy of data
- Choosing correct references
- → Choosing correct scales
- → Speed of change and volumes of data

CITY OF BERLIN - 3D CITY MODEL

Implemented on Oracle with 3DCityDB

- → 565,000 buildings, reconstructed from 2D cadastre and LIDAR data
- Textures extracted from oblique aerial photography

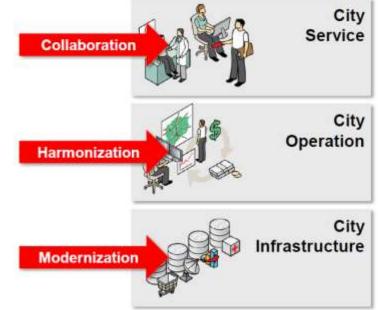


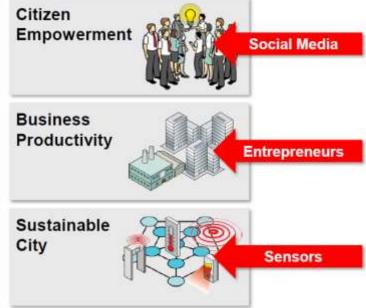


ORACLE SMART CITY PLATFORM - THE BIG PICTURE

Typical application scenarios

- → Improved Citizen Services
 - Better Public Transport
 - Social Media Interaction
- Improved Citizen Security
 - Predictive Policing
 - Social Media Analytics
- Improved City Operations
 - Streamlined Process Management
 - Optimized Field Service



















THANK YOU!

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