GIS in 2020:

Mad Max, Beyond Geodome!

Chris North, M.Sc.

Opinions & Ideas expressed are those of the presenter

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Mad Max, Beyond Geodome!

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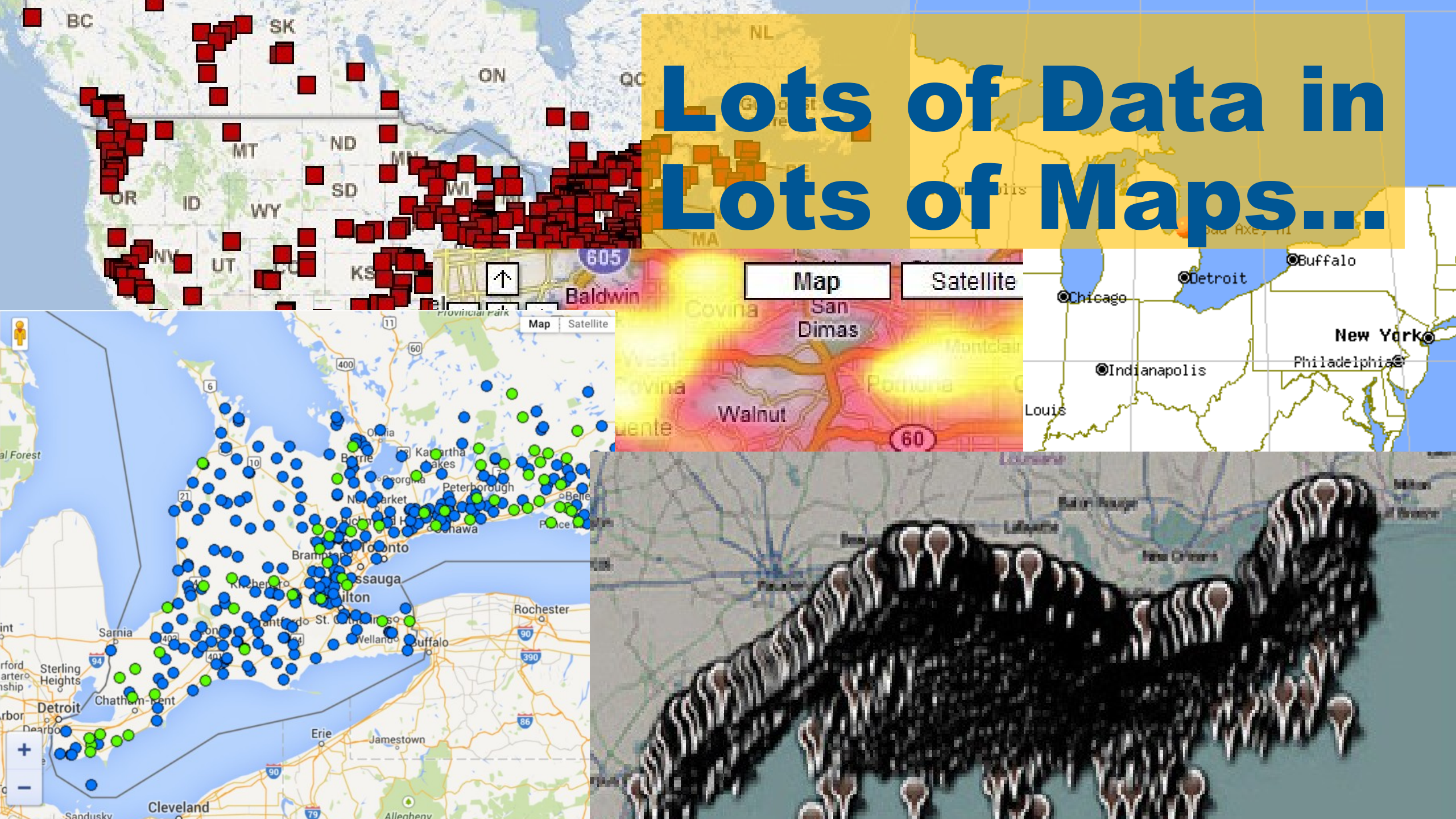
WESTNEY RD. & BAYLY ST.
ONTARIO
ONT
FEB 16
0212320C
GIS GEEK
AJAX mazda.com

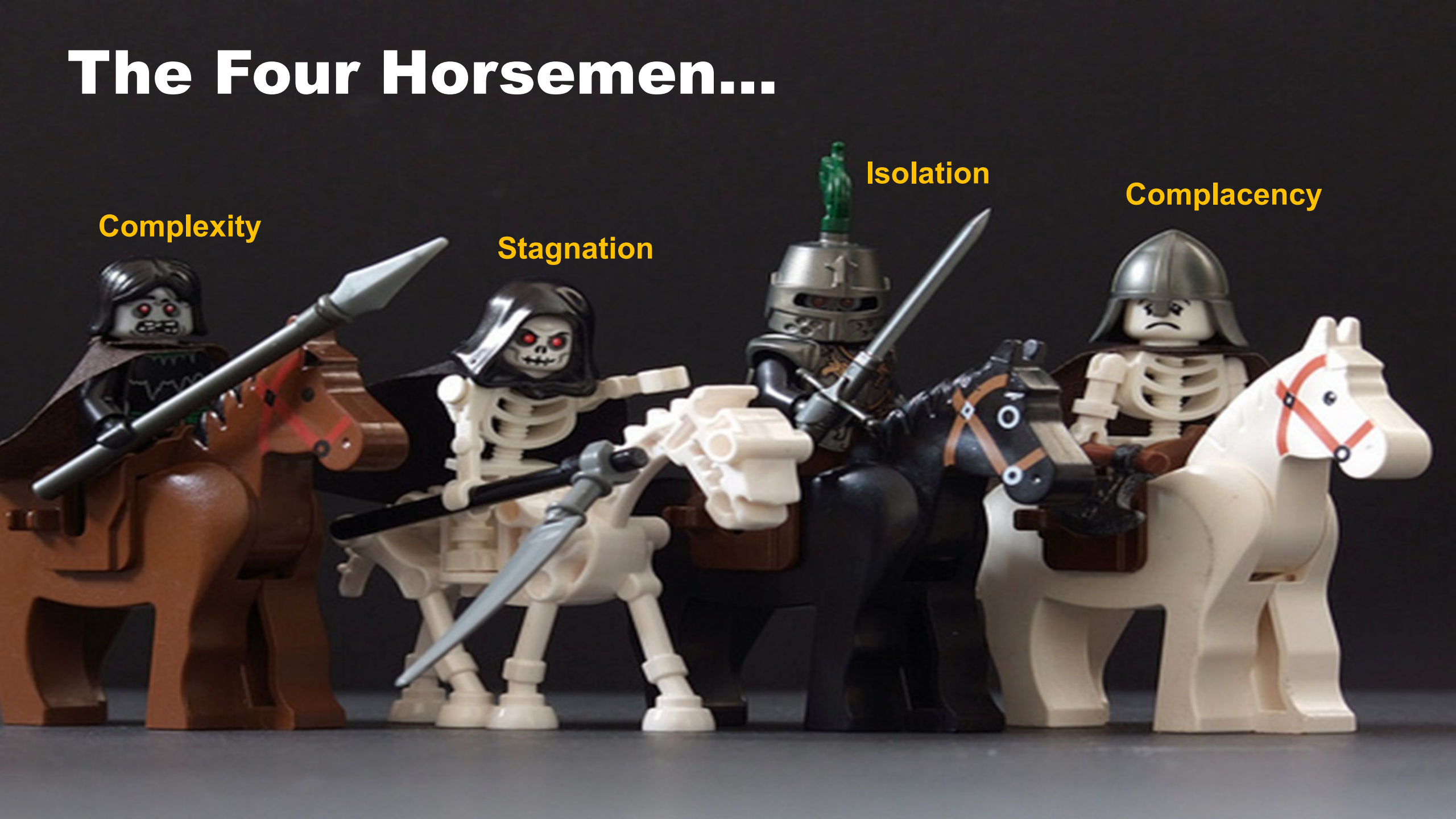
In 2020 Most GIS Have failed...


Lots of Data in Lots of Maps...
BC
SK
ON
QC
NL
MT
ND
MN
SD
WI
OR
ID
WY
NV
UT
CO
KS
MA
605
Baldwin
Map
Satellite
San Dimas
Walnut
60
Buffalo
Detroit
Chicago
New York
Philadelphia
Indianapolis
Louis
Toronto
Brampton
Mississauga
Hamilton
Peterborough
Barrie
Sarnia
Rochester
Buffalo
Detroit
Sterling Heights
Chatham-Kent
Erie
Jamestown
Cleveland
New Orleans

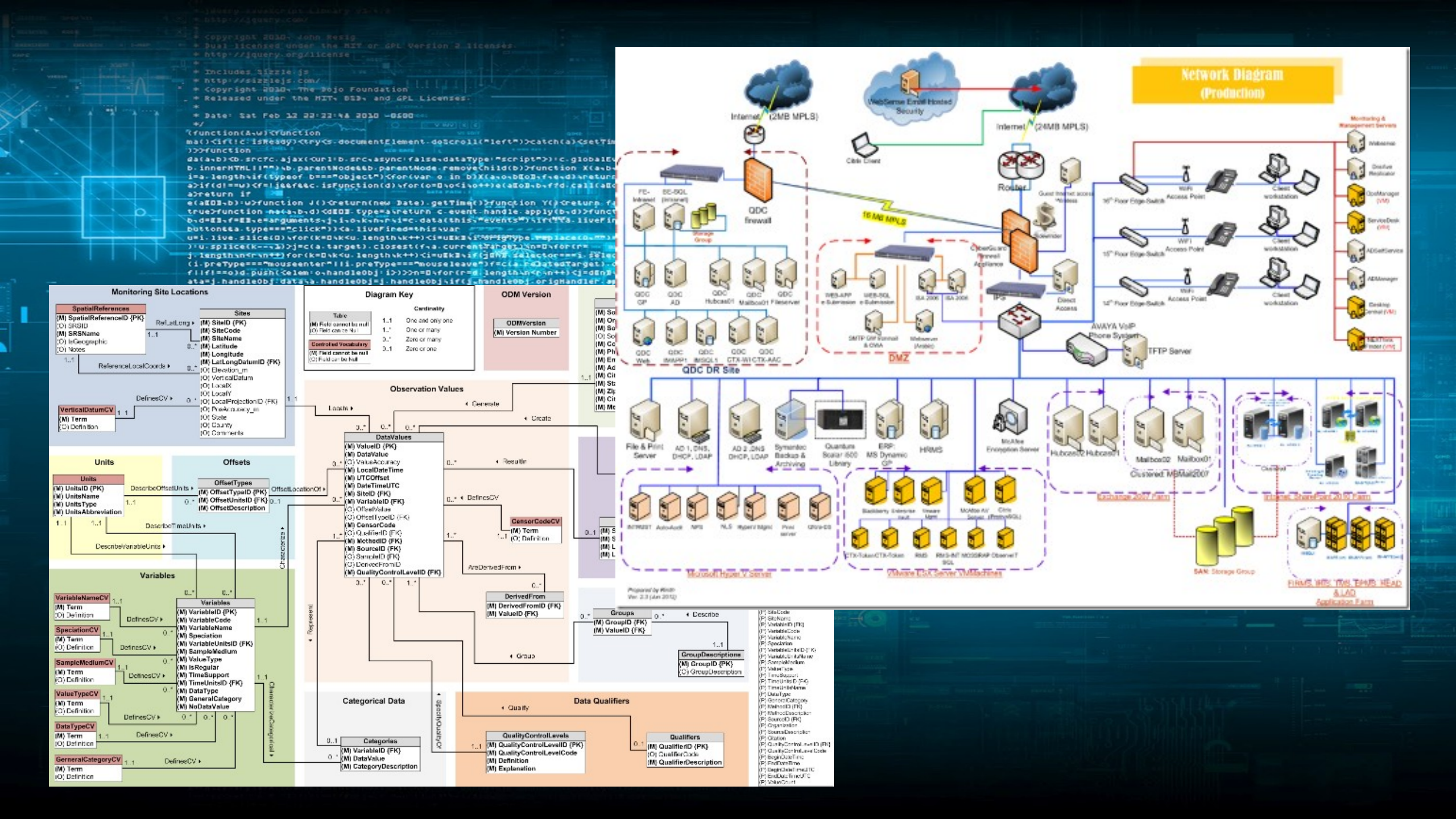
... On Everything ...

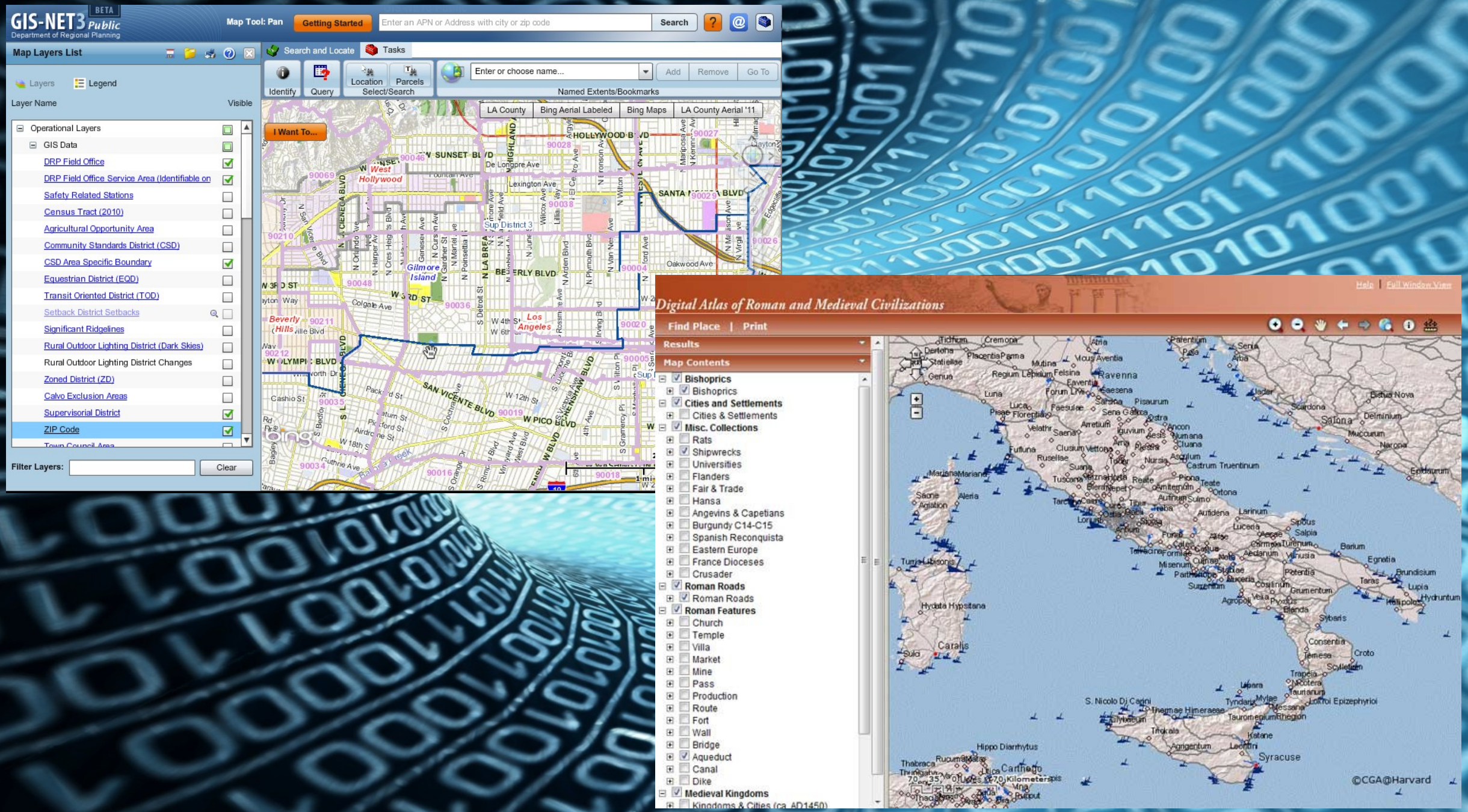
... But No
Information...
A

The Four Horsemen...

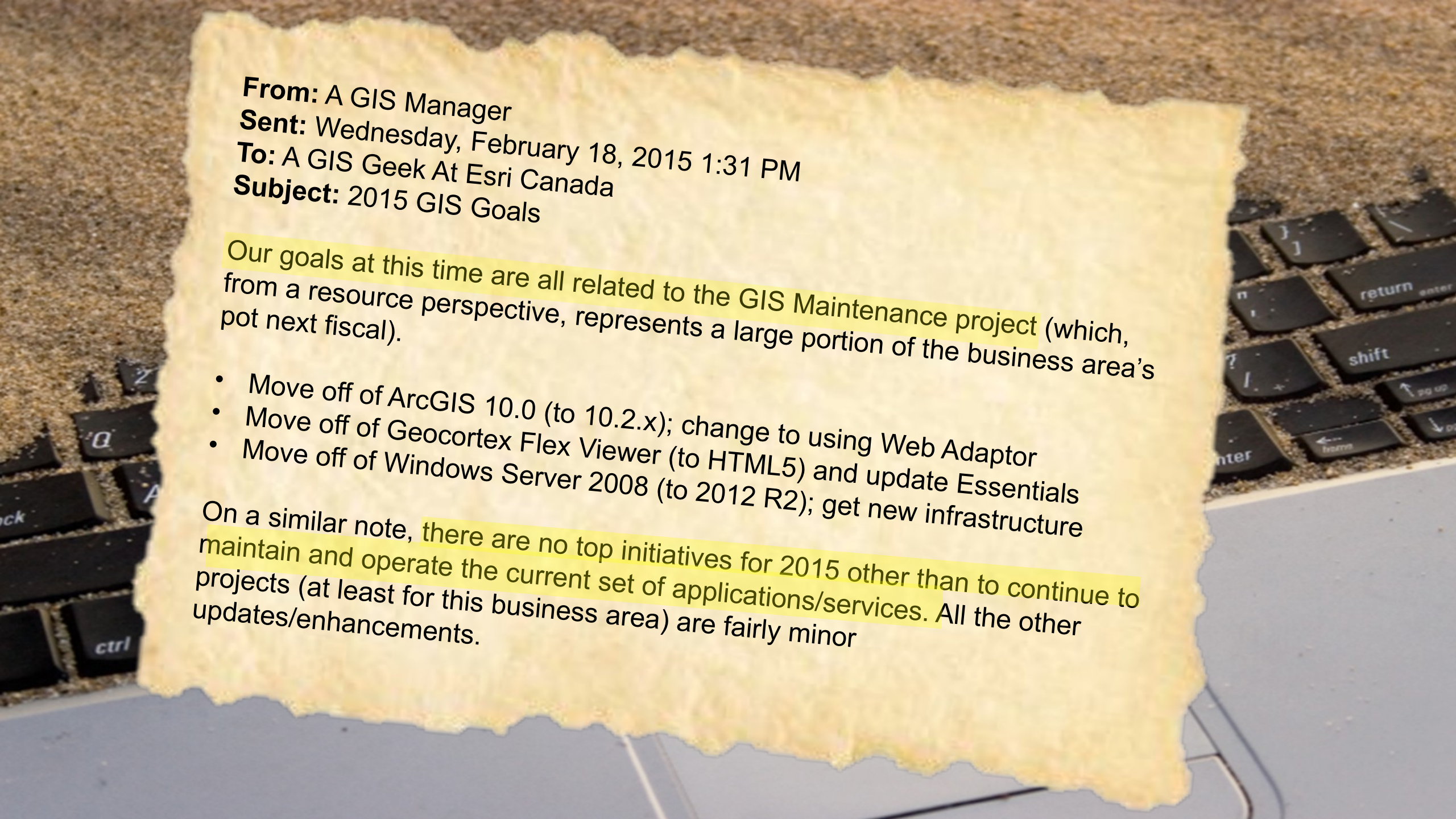


Complexity


Network Diagram
(Production)
Internet (2MB MPLS)
WebSense Email Hosted Security
Internet (24MB MPLS)
Cible Client
Router
QDC firewall
16 MB MPLS
QDC DR Site
DMZ
AVAYA VoIP Phone System
TFTP Server
File & Print Server
HRMS
Microsoft Hyper V Server
Vmware ESX Server VMMachines
Exchange 2007 Farm
Intranet SharePoint 2010 Farm
SAN Storage Group
Monitoring Site Locations
Diagram Key
ODM Version
Observation Values
Units
Offsets
Variables
Categorical Data
Data Qualifiers


GIS-NET3 Public
BETA
Department of Regional Planning
Map Tool: Pan
Getting Started
Enter an APN or Address with city or zip code
Search
Map Layers List
Layers
Legend
Layer Name
Visible
Operational Layers
GIS Data
DRP Field Office
DRP Field Office Service Area (Identifiable on
Safety Related Stations
Census Tract (2010)
Agricultural Opportunity Area
Community Standards District (CSD)
CSD Area Specific Boundary
Equestrian District (EQD)
Transit Oriented District (TOD)
Setback District Setbacks
Significant Ridgelines
Rural Outdoor Lighting District (Dark Skies)
Rural Outdoor Lighting District Changes
Zoned District (ZD)
Calvo Exclusion Areas
Supervisorial District
ZIP Code
Filter Layers:
Clear
Search and Locate
Tasks
Identify
Query
Location
Parcels
Select/Search
Enter or choose name...
Add
Remove
Go To
Named Extents/Bookmarks
LA County
Bing Aerial Labeled
Bing Maps
LA County Aerial '11
I Want To...
Digital Atlas of Roman and Medieval Civilizations
Help | Full Window View
Find Place | Print
Results
Map Contents
Bishoprics
Bishoprics
Cities and Settlements
Cities & Settlements
Misc. Collections
Rats
Shipwrecks
Universities
Flanders
Fair & Trade
Hansa
Angevins & Capetians
Burgundy C14-C15
Spanish Reconquista
Eastern Europe
France Dioceses
Crusader
Roman Roads
Roman Roads
Roman Features
Church
Temple
Villa
Market
Mine
Pass
Production
Route
Fort
Wall
Bridge
Aqueduct
Canal
Dike
Medieval Kingdoms
Kingdoms & Cities (ca. AD1450)
©CGA@Harvard

Stagnation



From: A GIS Manager
Sent: Wednesday, February 18, 2015 1:31 PM
To: A GIS Geek At Esri Canada
Subject: 2015 GIS Goals

Our goals at this time are all related to the GIS Maintenance project (which, from a resource perspective, represents a large portion of the business area's pot next fiscal).

- Move off of ArcGIS 10.0 (to 10.2.x); change to using Web Adaptor
- Move off of Geocortex Flex Viewer (to HTML5) and update Essentials
- Move off of Windows Server 2008 (to 2012 R2); get new infrastructure

On a similar note, there are no top initiatives for 2015 other than to continue to maintain and operate the current set of applications/services. All the other projects (at least for this business area) are fairly minor updates/enhancements.

YOU OK?

I SHOULD'VE TOLD YOU
I WAS STOPPING.

Isolation

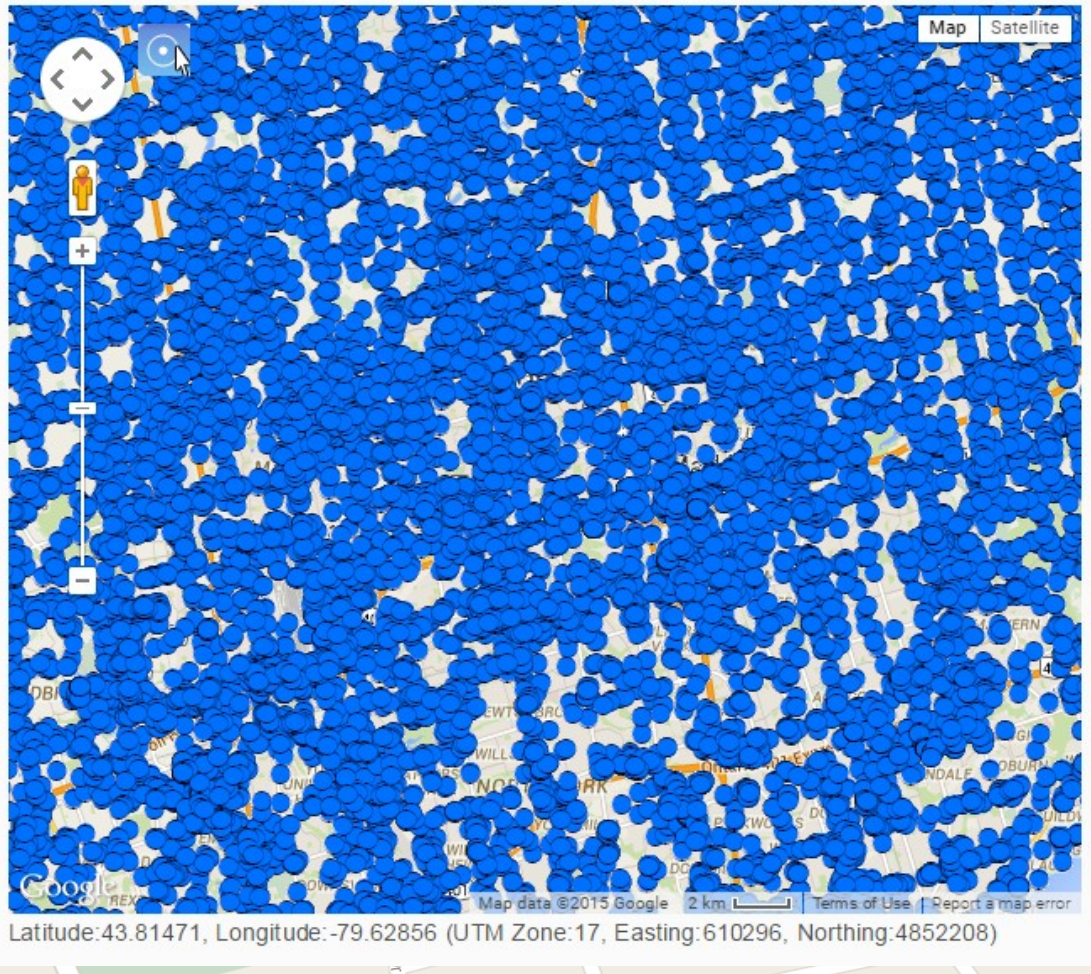
We Became The Folded Arms Gang

Stuck "Inside the Box"

SHAWS
CATERING
.COM
DO-IT-YOURSELF
Pig Roasts
327.3311

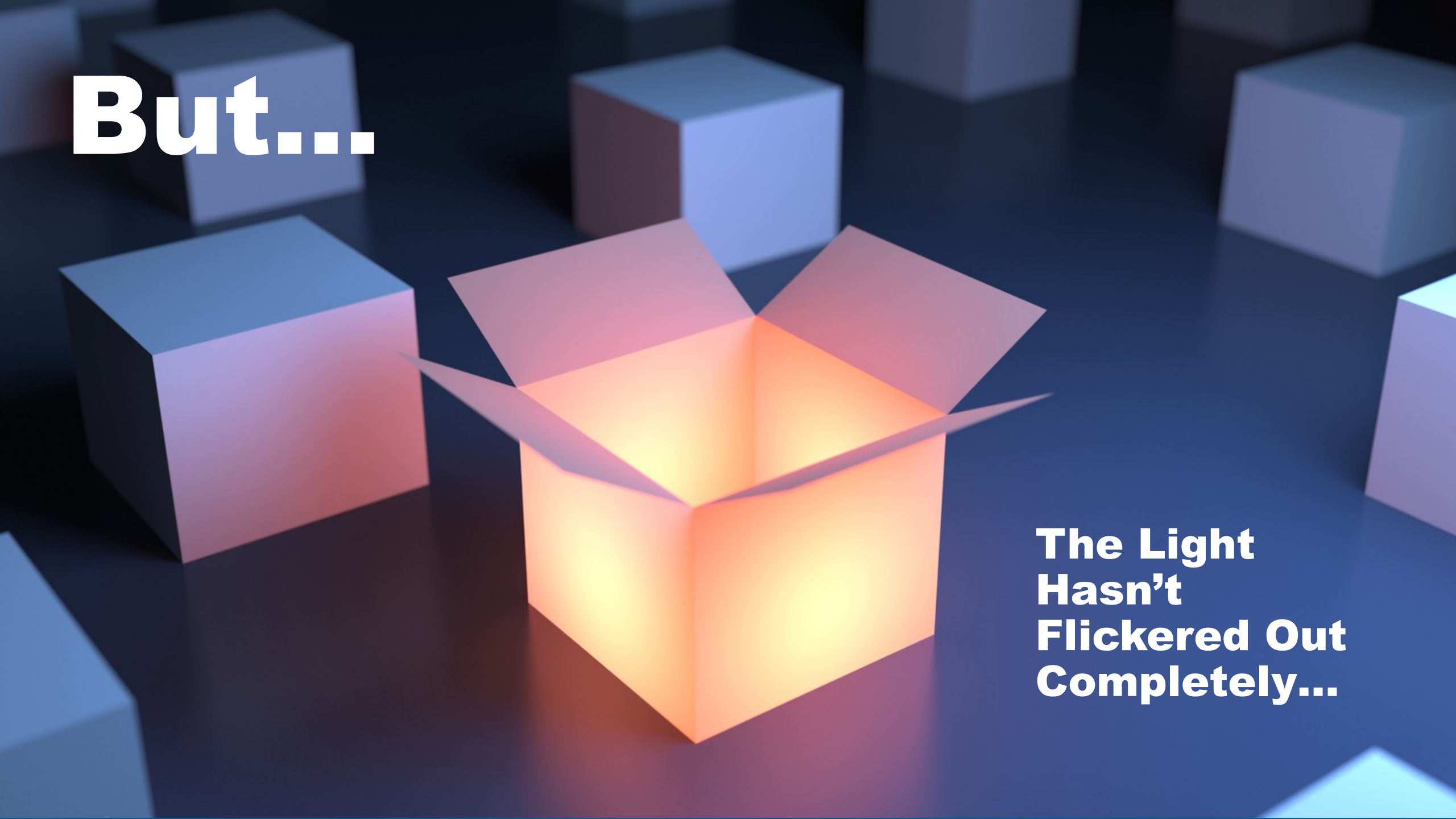
Complacency

Or this?

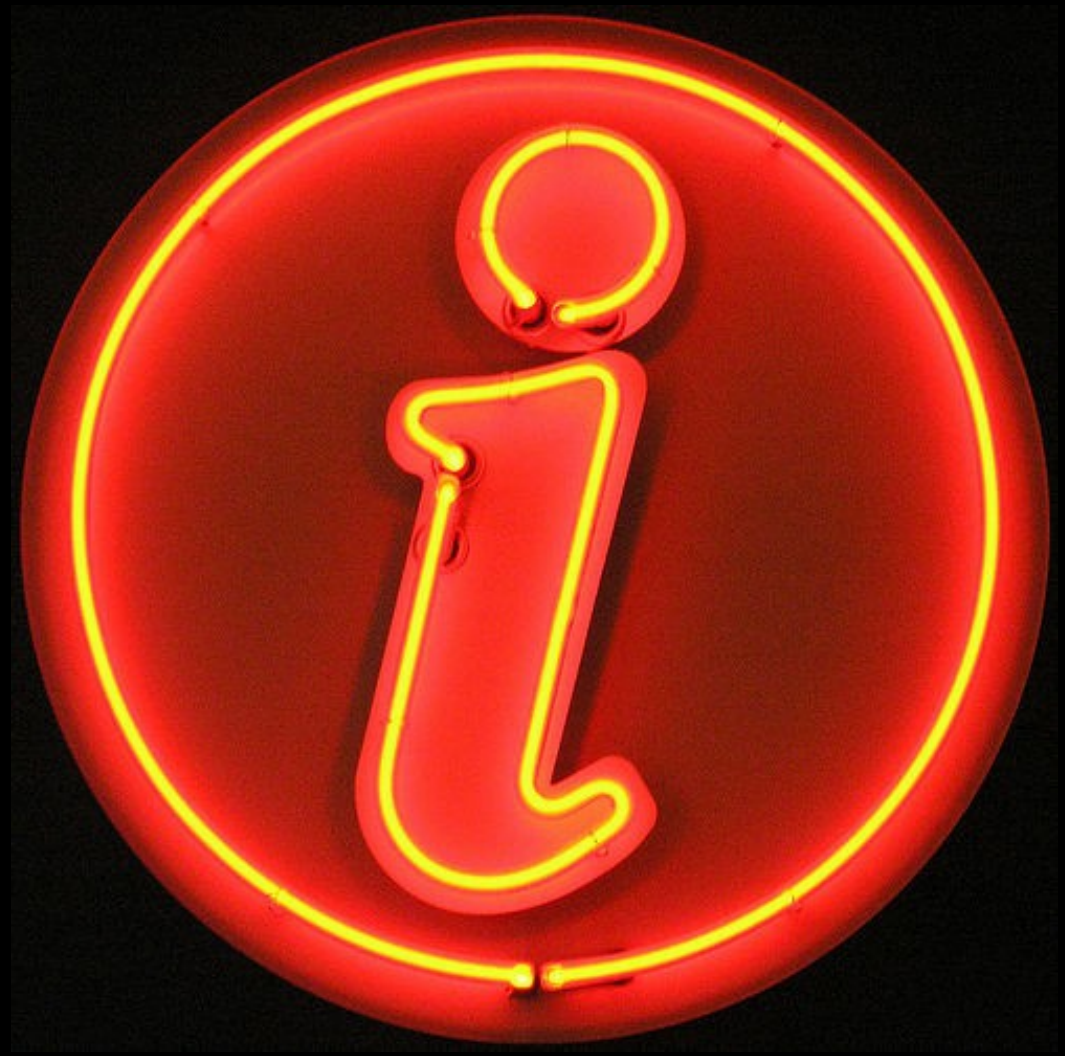


Stagnation:

When did this become OK?


But...
The Light
Hasn't
Flickered Out
Completely...

What does the “i” stand for?

G  S

Because it determined who survived!

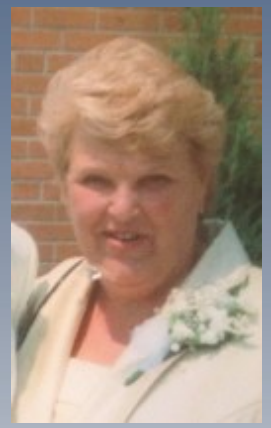
Geographic
Infrastructure
System

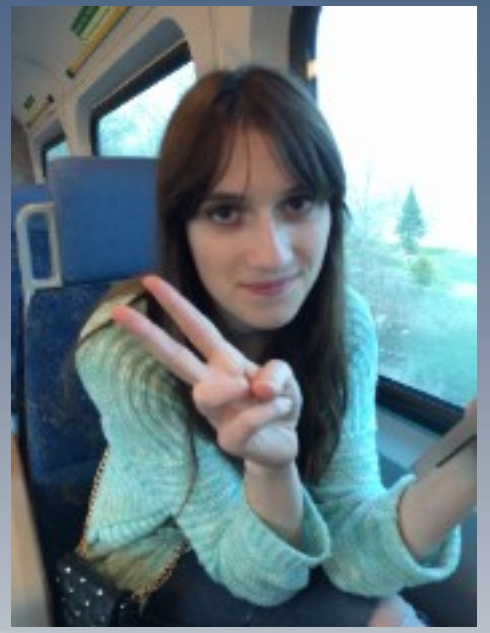
Geographic
Integration
System

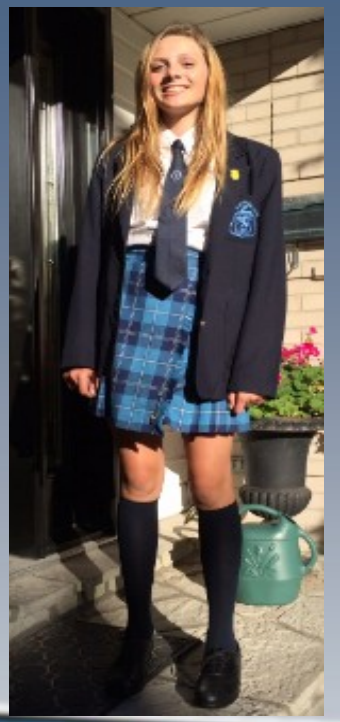
Geographic
Innovation
System

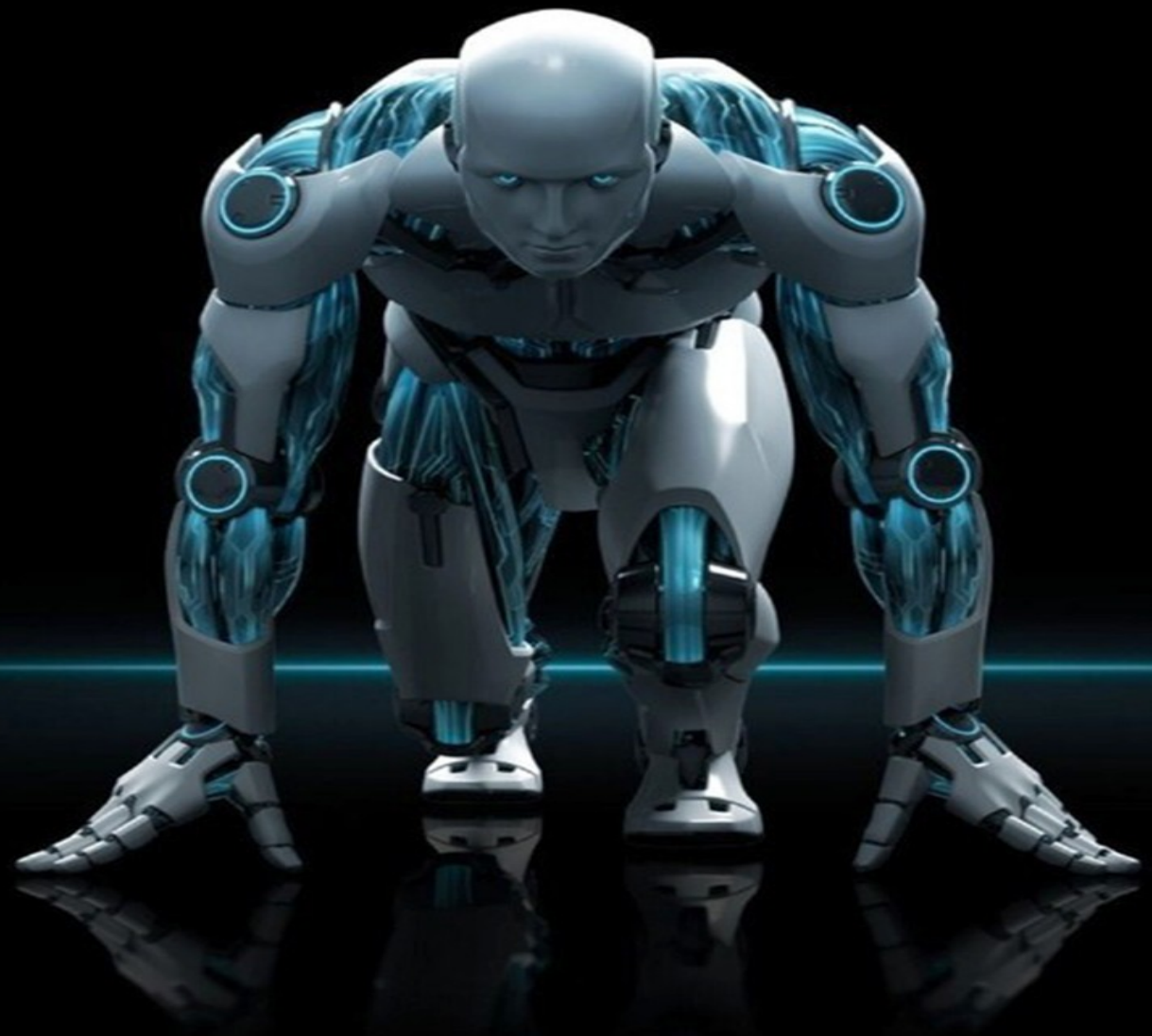
The Survivors
Evolved Their GIS...
Innovation
Integration
Infrastructure

Generations...









"A Business has only two primary functions: Marketing and Innovation"

- Peter Drucker

Marketing = Outreach

Innovation Drives GIS Success

Inside GIS & Throughout the Organization

Empowerment
Who & Why?
How?

Democratize

Simplicity

Simplicity

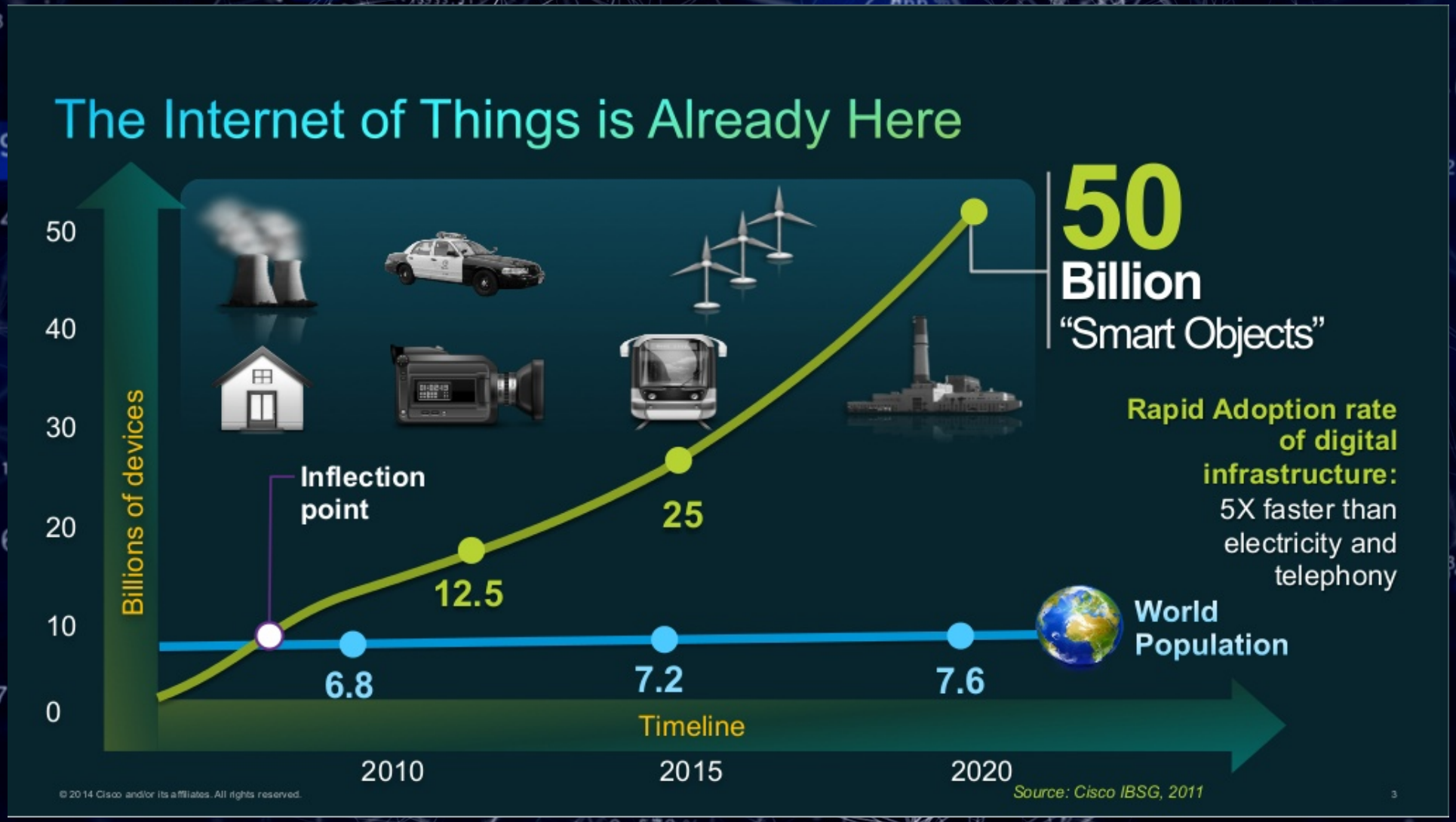
- Know your customers
- Do what customers need
- Greatness
- Focus on *Value*

Simplistic

- Know your own business
- Do what worked before
- Good Enough
- Focus on *Cost*

Easy for You → *Easy for Them*

The Internet of Things



Source: Cisco, Global Cloud Index

The Road Ahead
Is Up To Us
“The best way to predict
the future is to create it.”
- Peter Drucker