



LADM in the Cloud

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Land Administration

GIS is the platform for land administration

Land administration is the process of determining, recording, and disseminating of information about ownership, value and use of land when implementing land management policies.

Source: UN/ECE Land Administration Guidelines 1996



GIS is key to good Land Administration.....

Trends in Land Administration

Technology Enables Capabilities

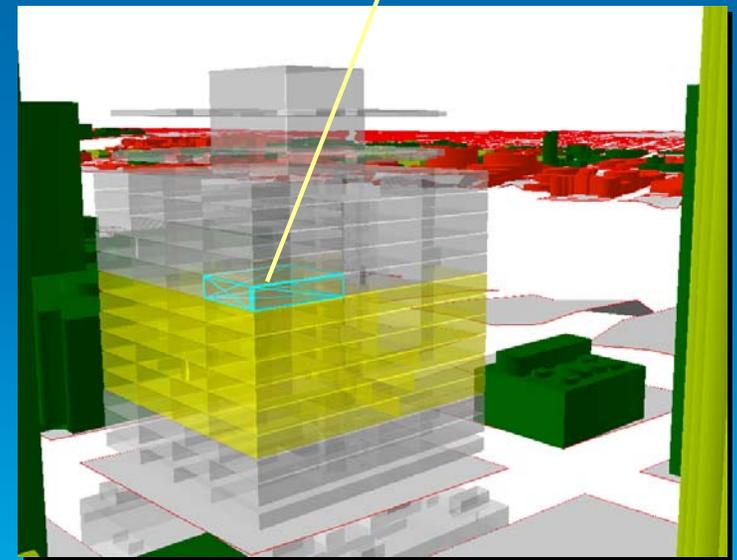
- Implementing Cadastre is the basis of SDI
- Information infrastructure maturing
- Faster data updating
- Fully connected data workers
- Community driven cadastral mapping
- Sharing data
- Faster implementations



Trends - Cadastre 2.0

Applying Technology to Meet Current Challenges

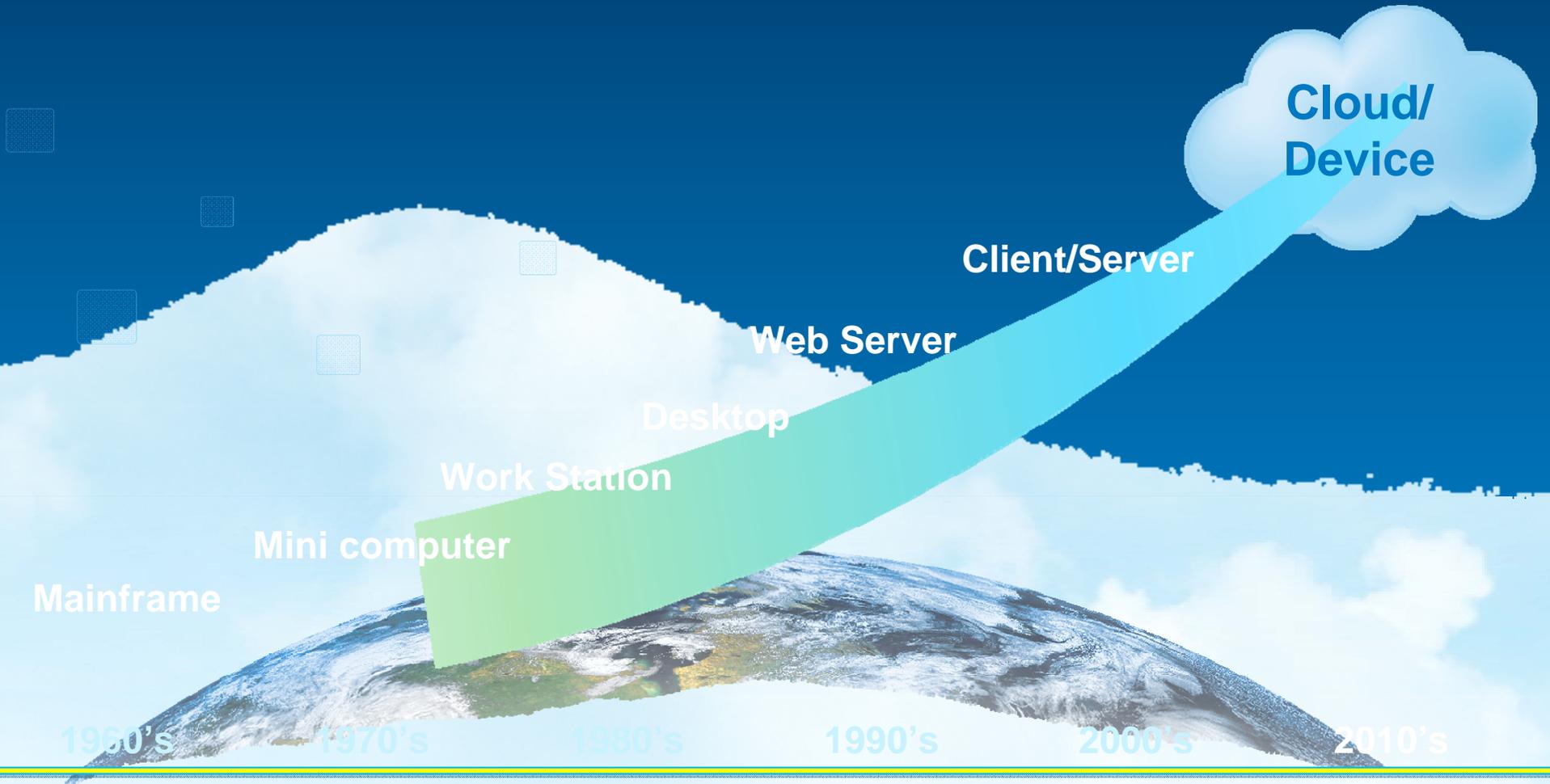
- Multipurpose
- Transparent/Accountable
- 3D/4D Parcel management applications
- COTS – Commercial Off-the-Shelf
- Engaged citizens
- Fully connected data workers
- Cloud Computing
- Online Data
- Ongoing Data Quality Improvement



GIS is the Platform for Cadastre 2.0

Platforms Evolve

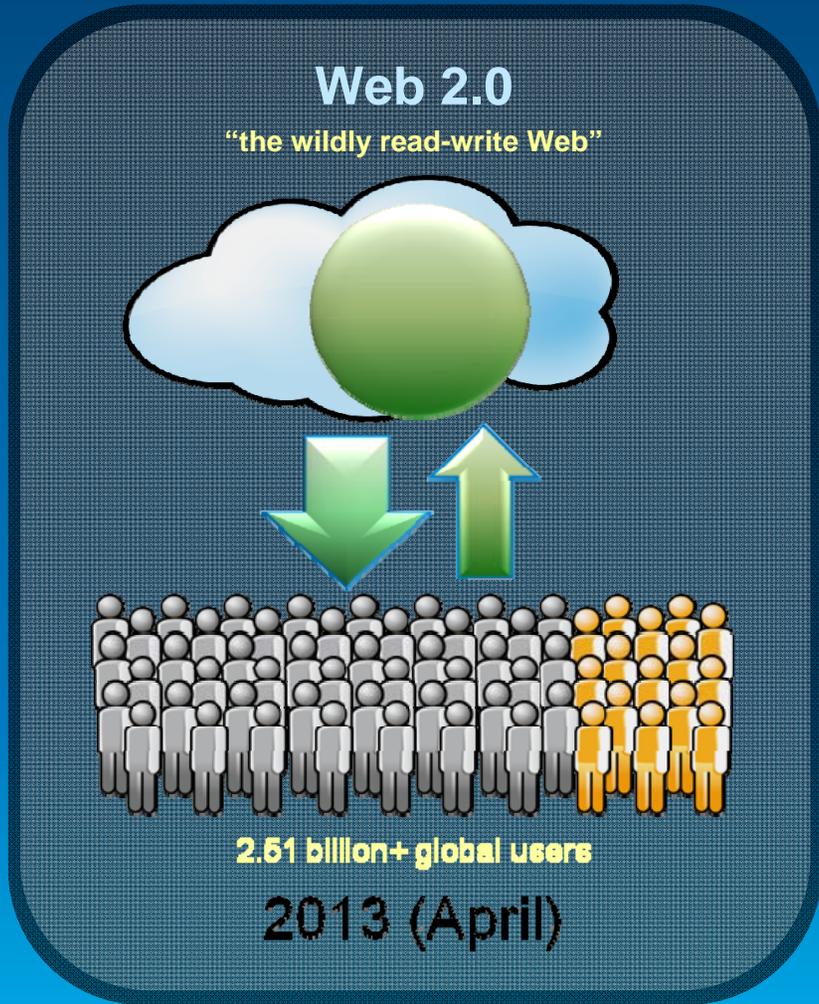
A New Architecture



New platforms, new opportunities.....

2.0

Leveraging the new Platform....



6 billion cell phones worldwide (20% smartphones).....

Web Services

Quick, but very important definition

WFS – Web Feature Service

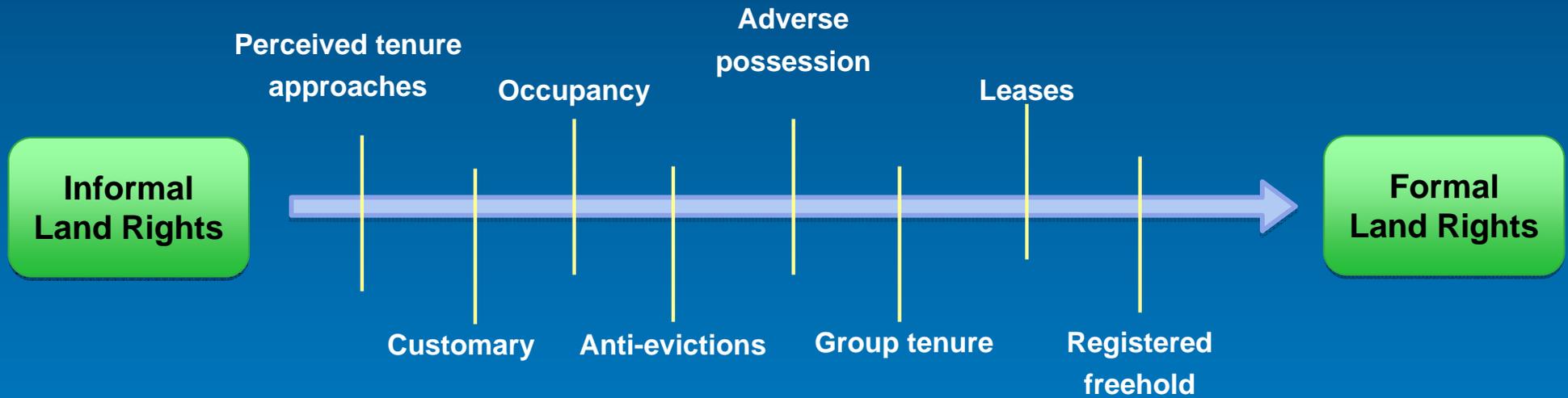
WMS – Web Mapping Service

Geoprocessing Services

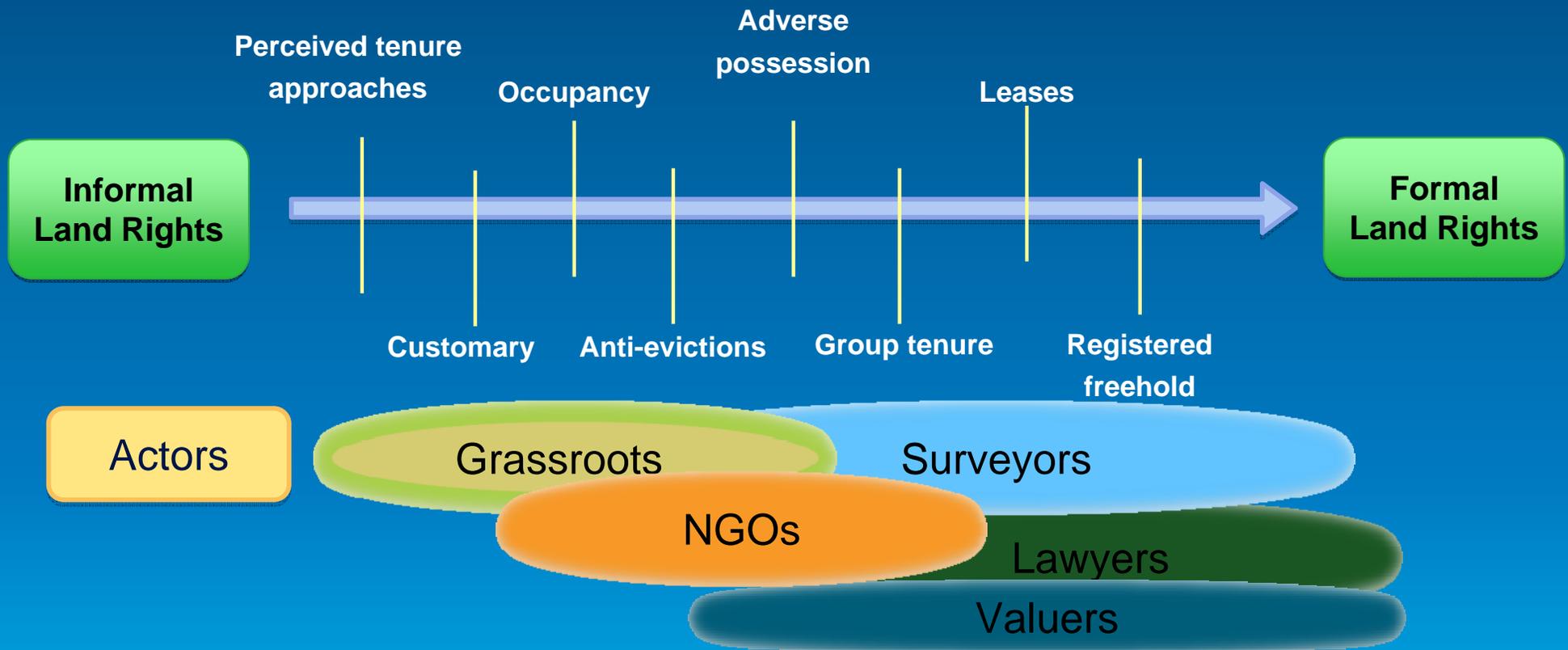
- are application components
- communicate using open protocols
- are self-contained and self-describing
- can be used by other applications

Sharing, Communicating, Publishing.....

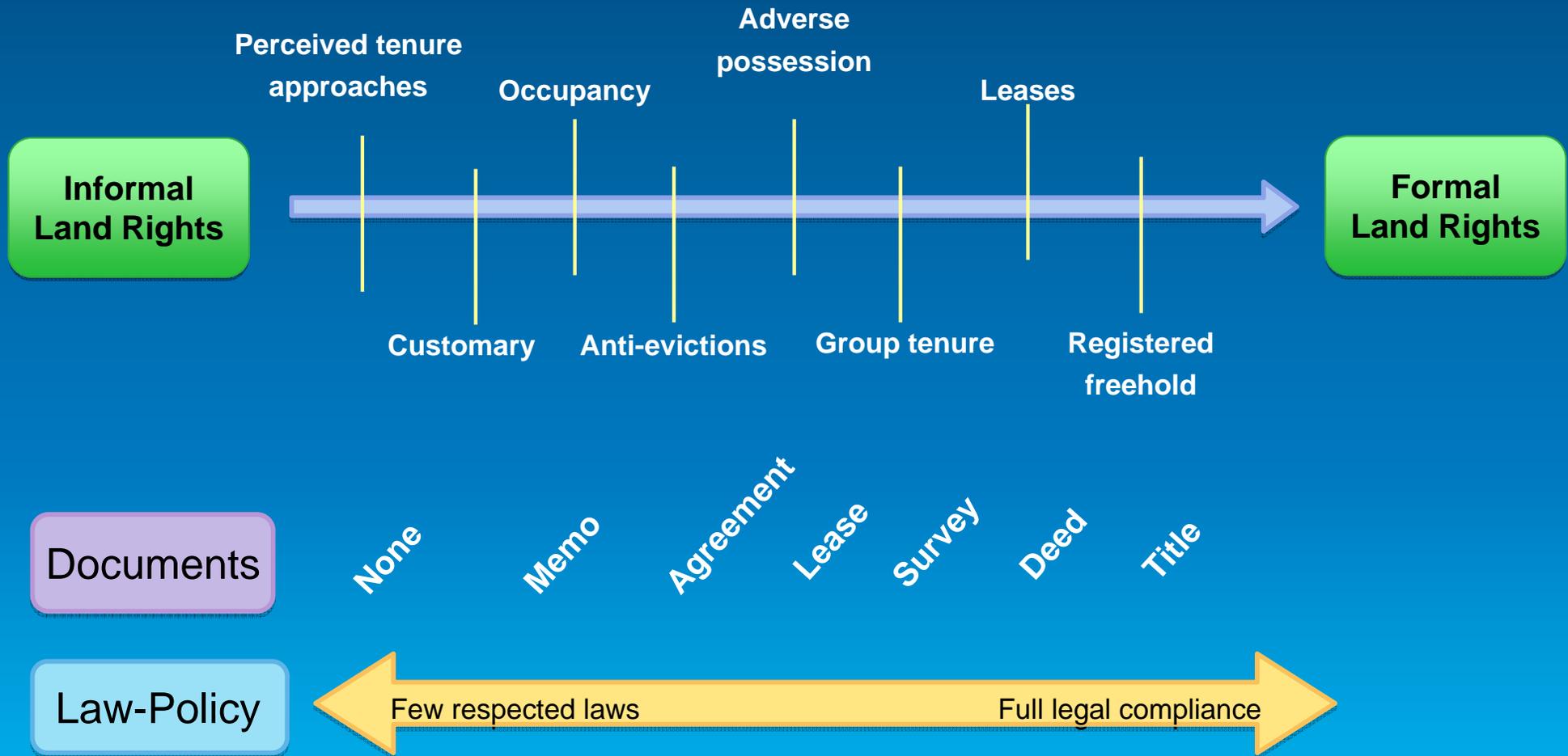
Continuum of Rights



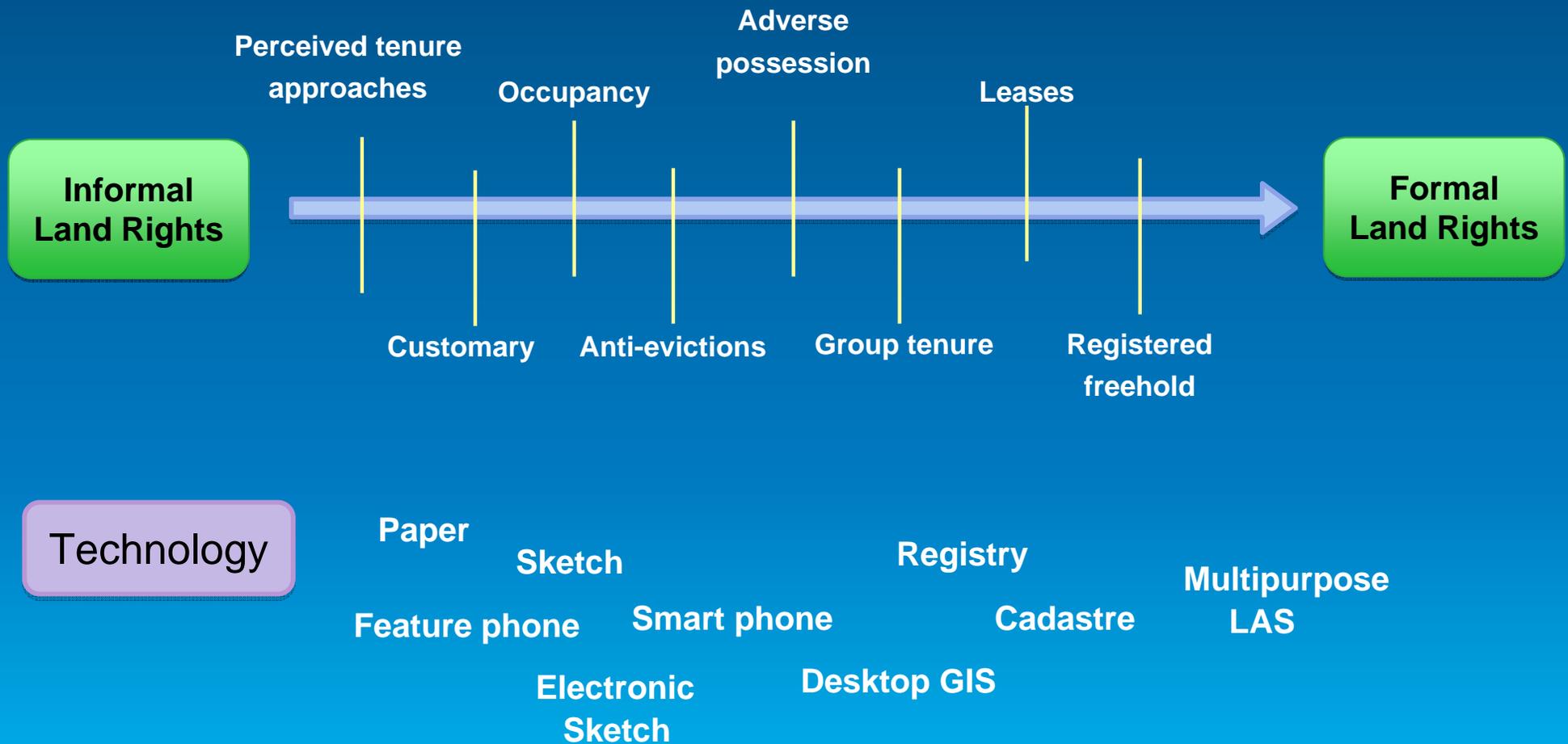
Continuum of Rights



Continuum of Rights

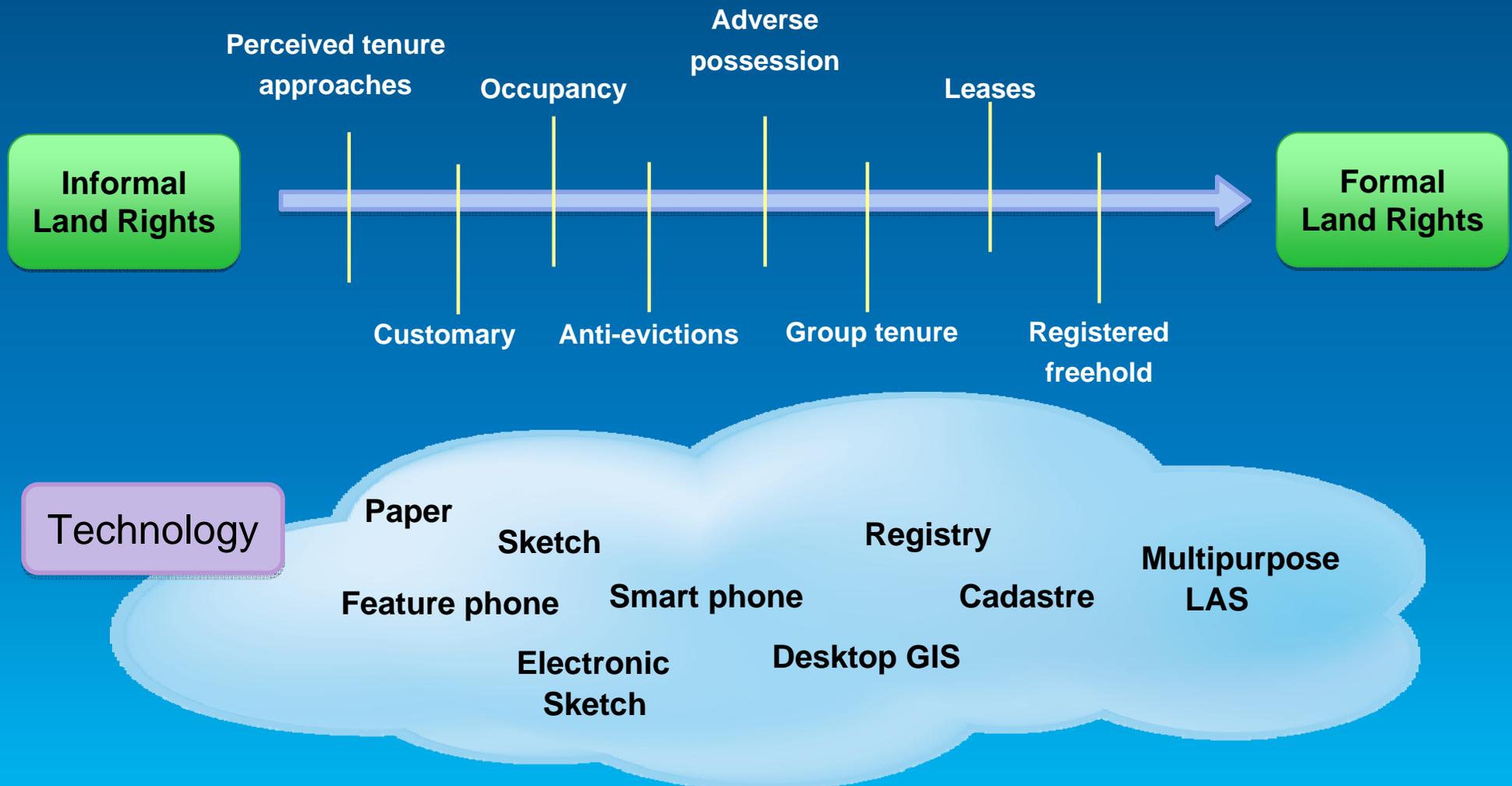


Continuum of Rights



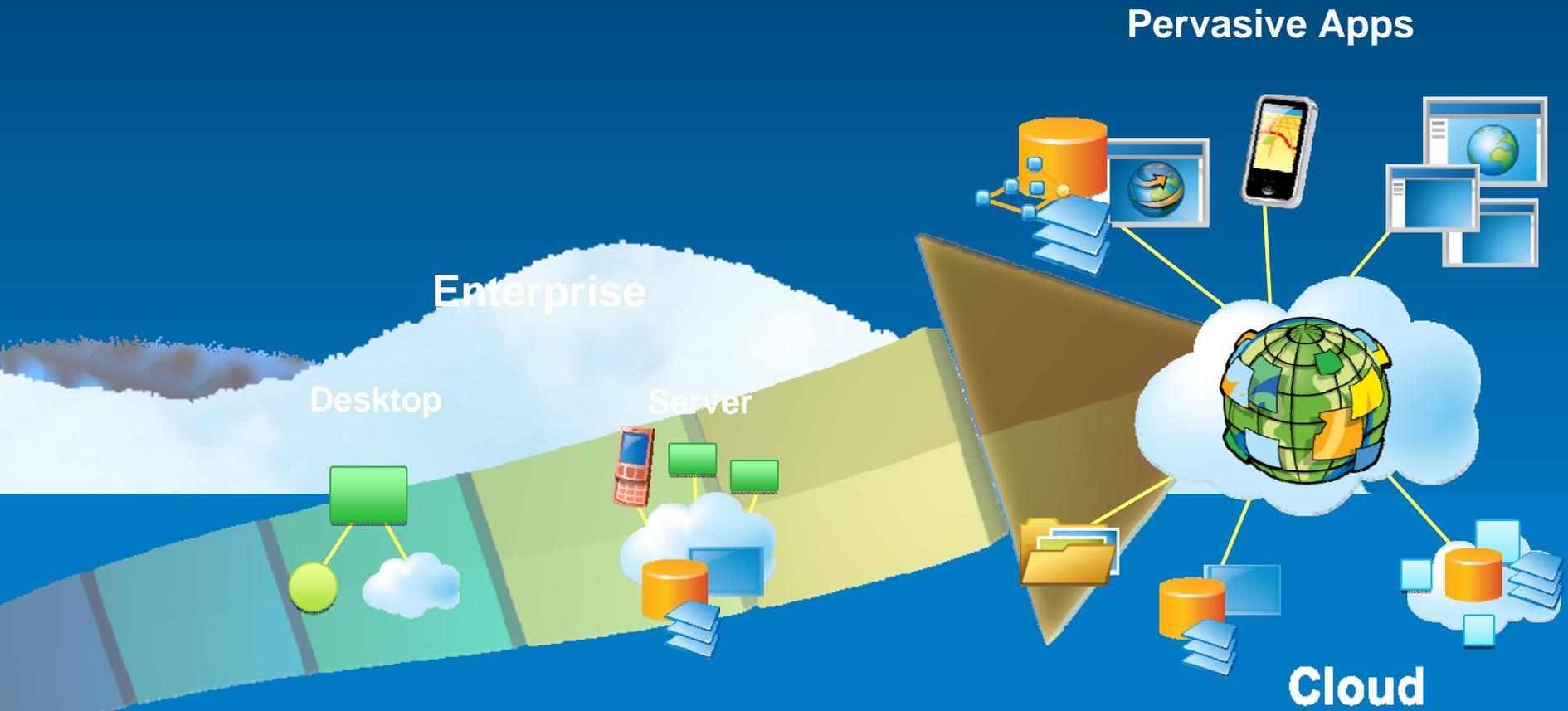
Continuum of Rights

GIS Cloud is the Technology Enabler of the Continuum of Rights



GIS as a Platform

Connects and Leverages



Providing Webmaps and Tools. . . .

This Platform Integrates All Types of Information

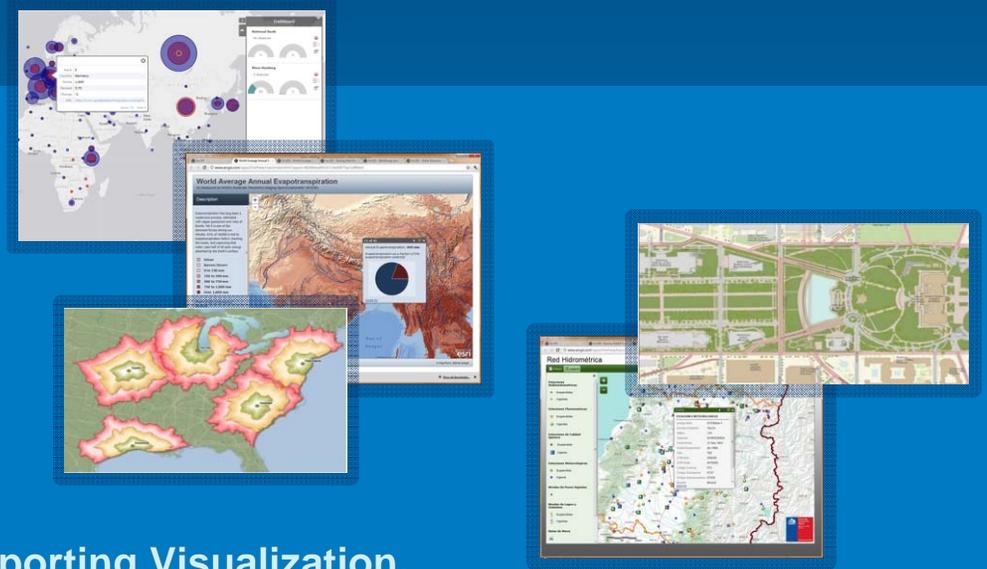


*Web Maps Normalize The Information . . .
. . . And Make It Accessible Widely*

Web Maps are the New Medium

Providing Intelligent Maps to Everyone

Any Device



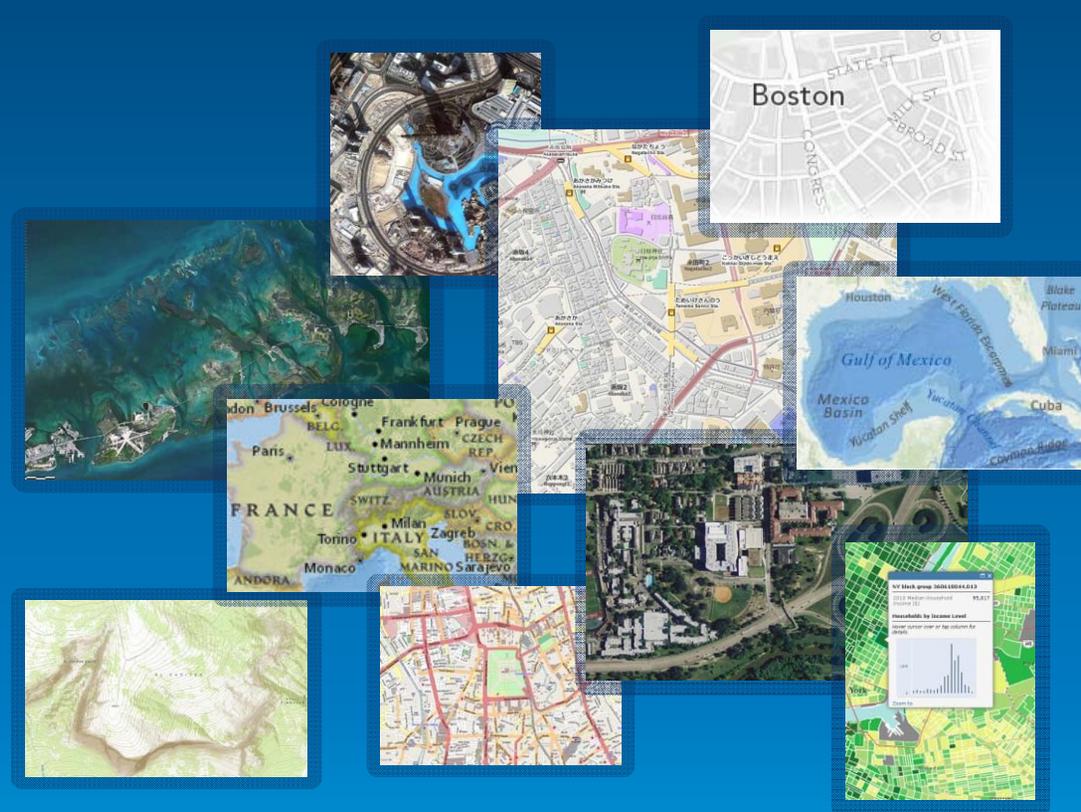
Supporting Visualization,
Query, Editing, and
Analysis

Dynamic

Making Dynamic Geographic Information Available Anywhere

Global Basemaps and Data are Part of the Platform

Normalized Commercial and Government Sources



Geocoding
Streets
Oceans
Places
Routing
Imagery
Terrain
Topographic
Demographics



... Providing a Foundation for Cadastral Systems Worldwide

Data/Maps On/From Any Device

Apps - Changing the way we think about computing



Viewing



Rich Functionality



Editing



Field Data Collection



One Map

Windows



iOS



Android



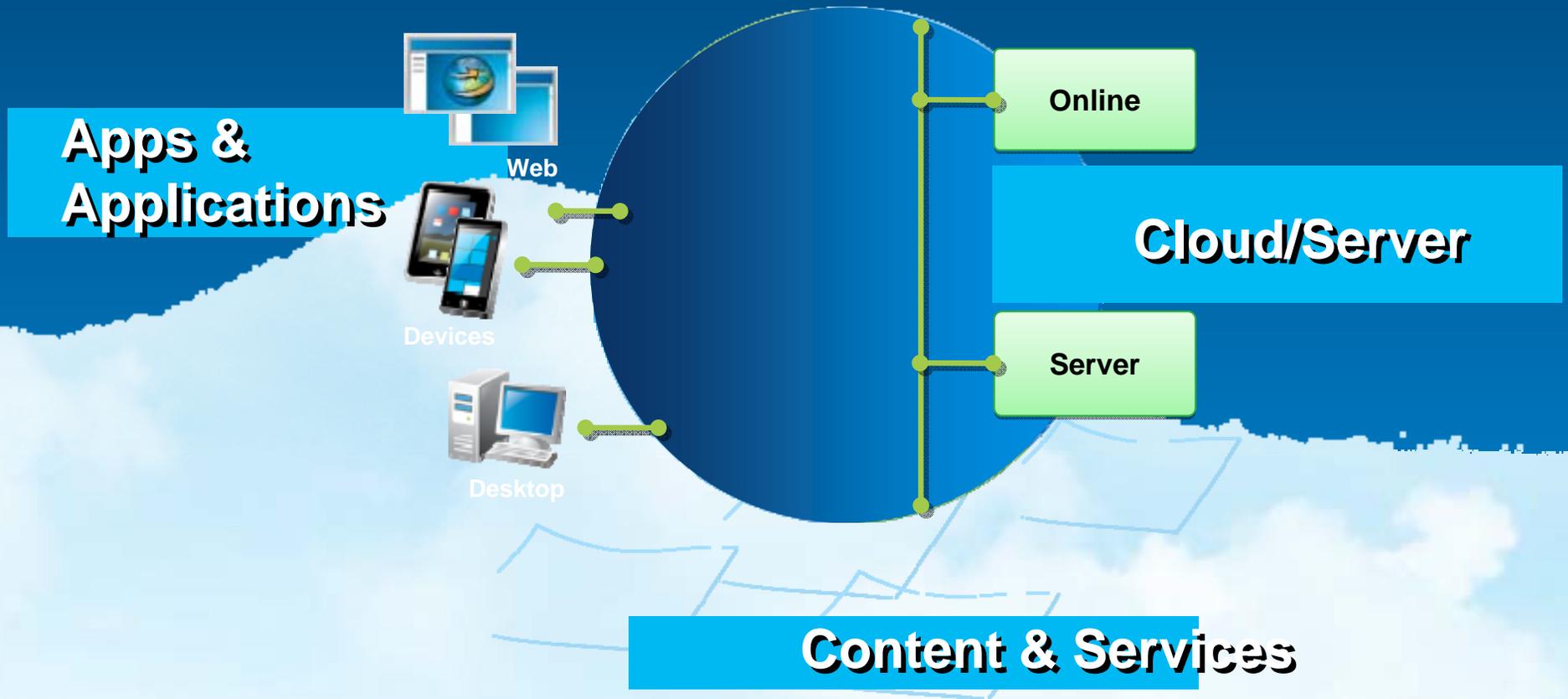
GIS



... Making Land Information Accessible Everywhere

GIS as a Platform

A Complete Cadastre Platform



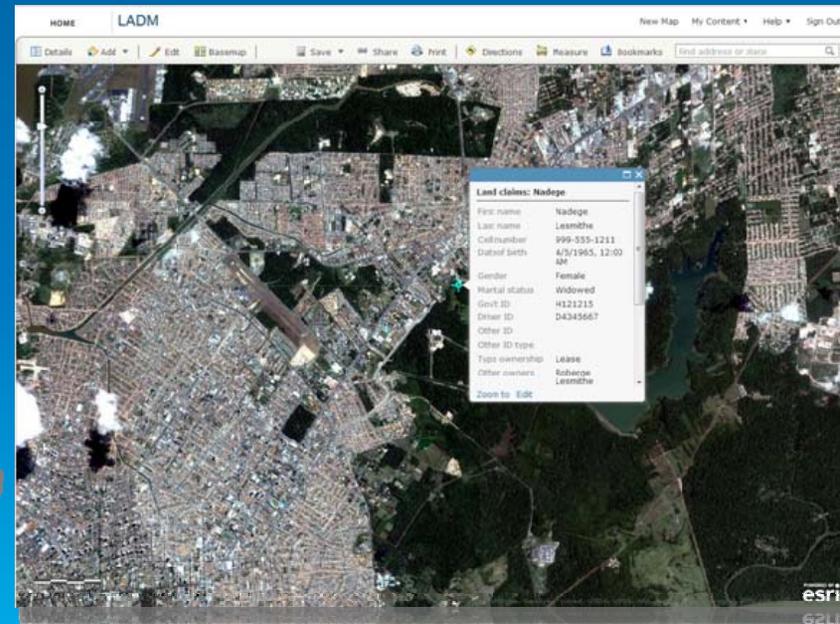
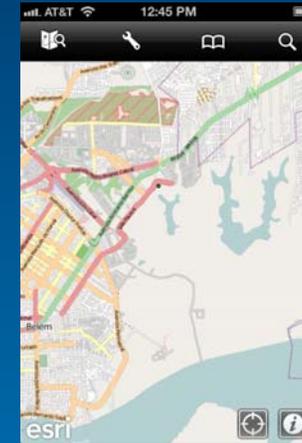
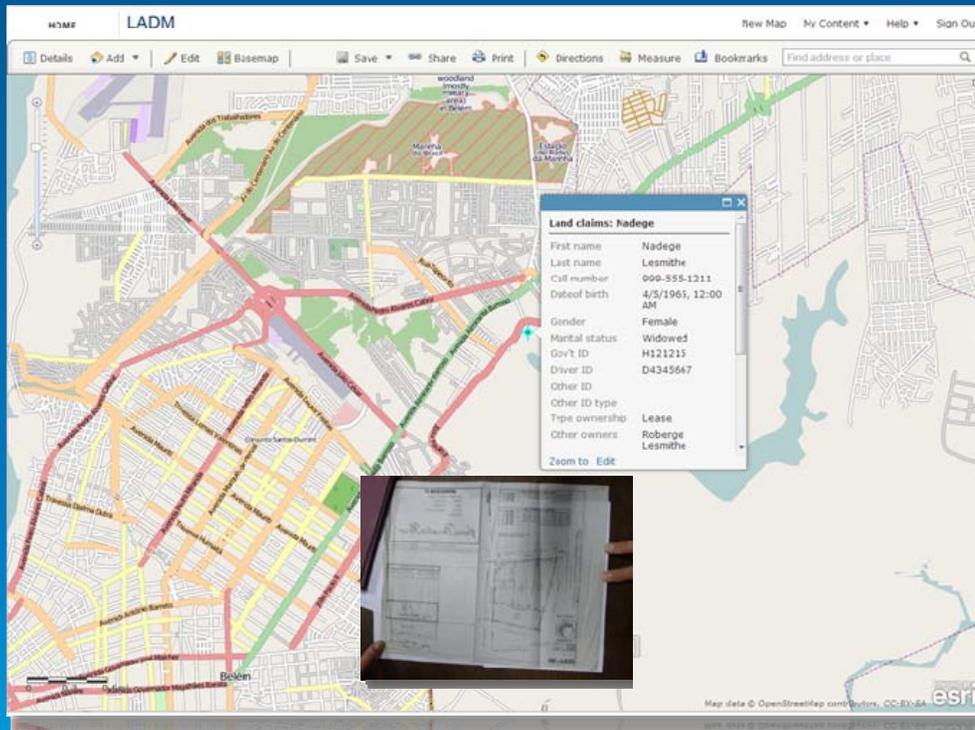
Easy, Open and Cloud Enabled . . .

. . . Providing Transformational Opportunities

LADM in the Cloud

On your phone, on your desktop, on the web....

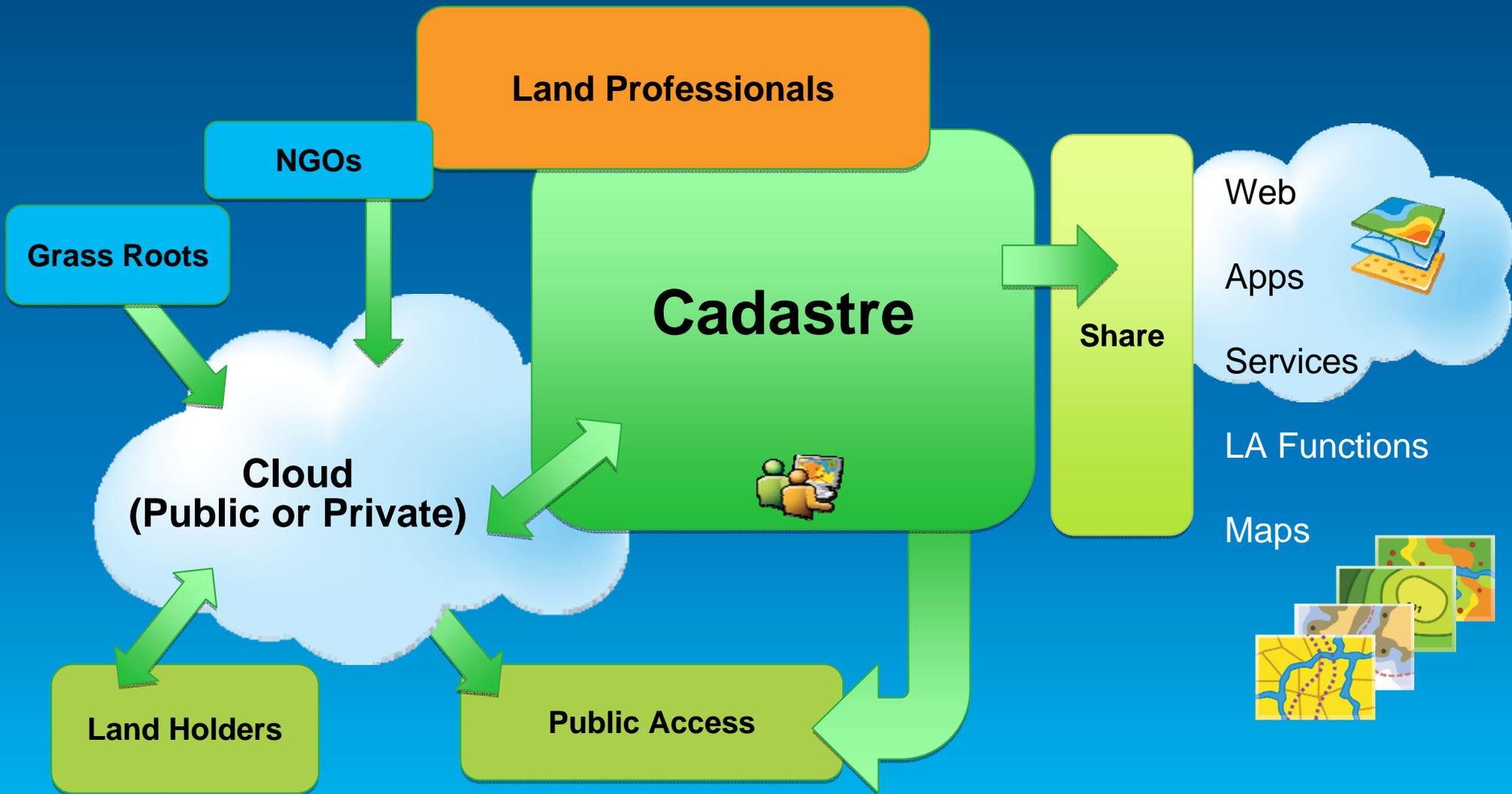
LADM WFS— feature service
Editable worldwide
Publically available



Worldwide, device independent.....

Authoritative and Contributed Content

Using all data available, appropriately.....





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