



New Technology for Cadastral Systems

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Land Administration

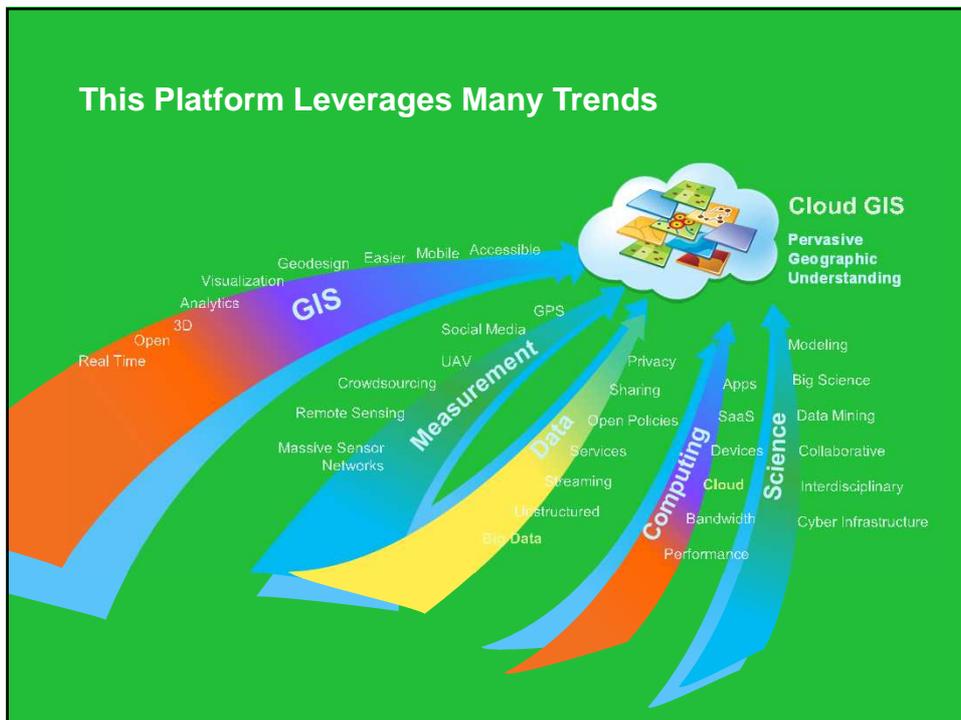
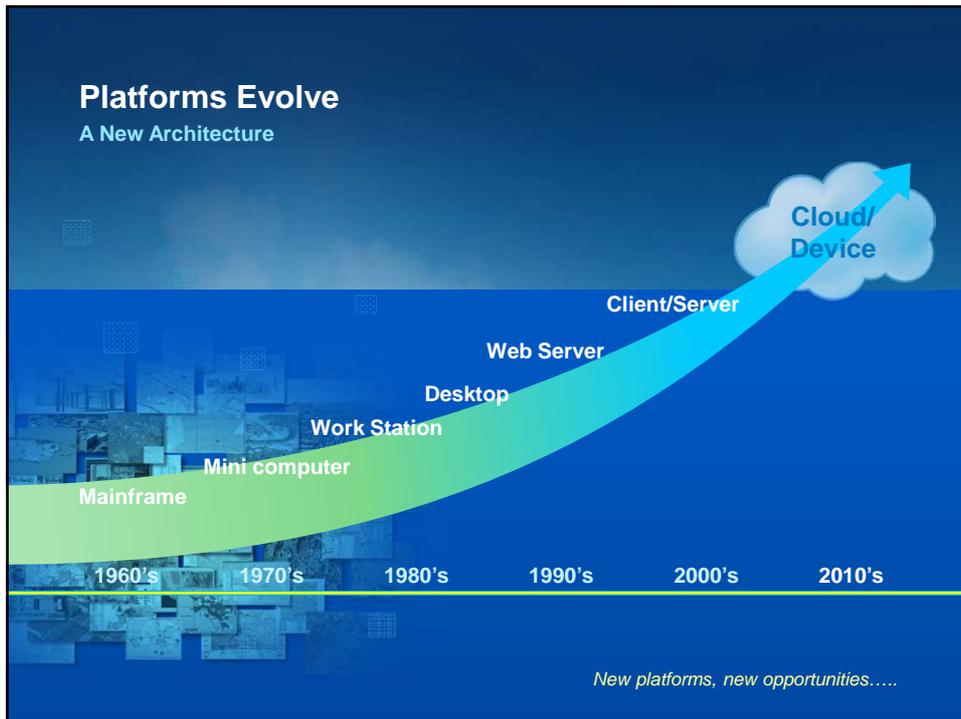
GIS is the platform for land administration

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

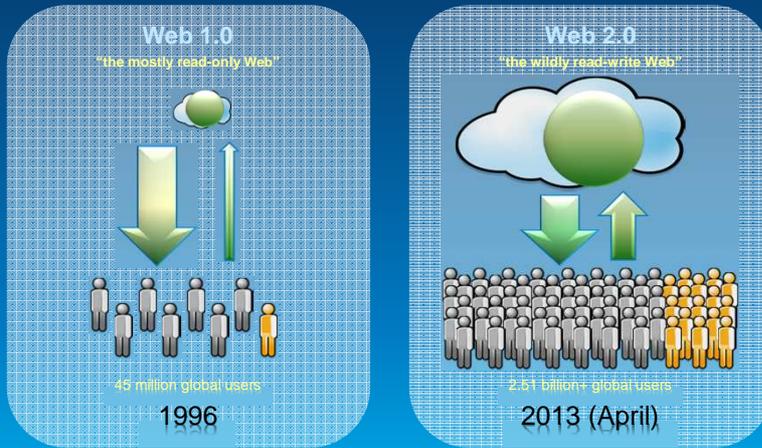
Source: UN/ECE Land Administration Guidelines 1996



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



2.0 Leveraging the new Platform....



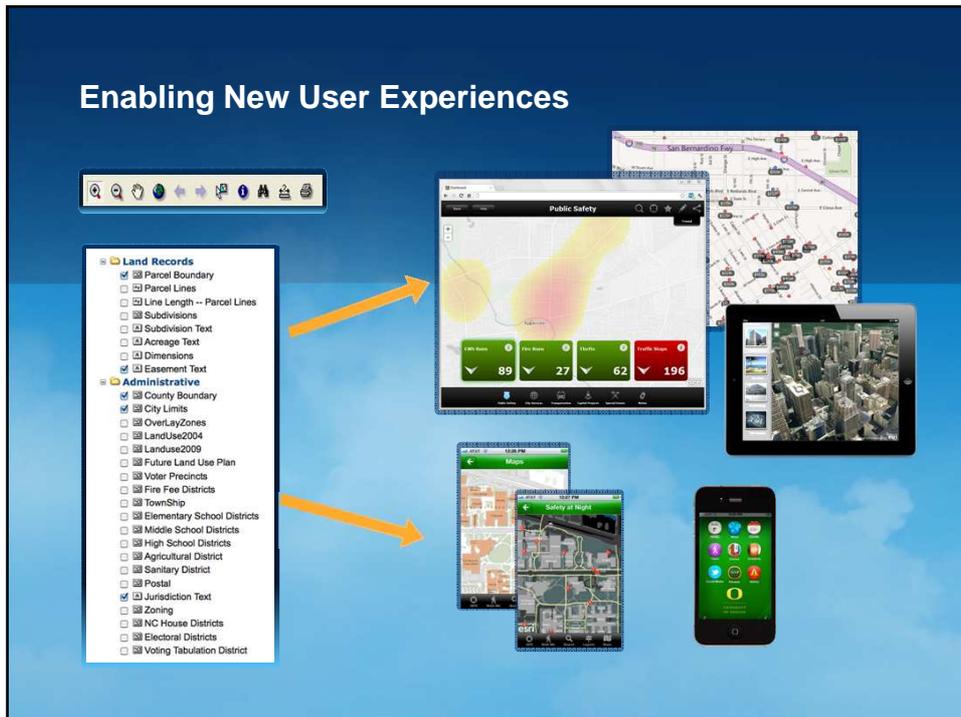
6 billion cell phones worldwide (20% smartphones).....

GIS as a Platform Connects and Leverages

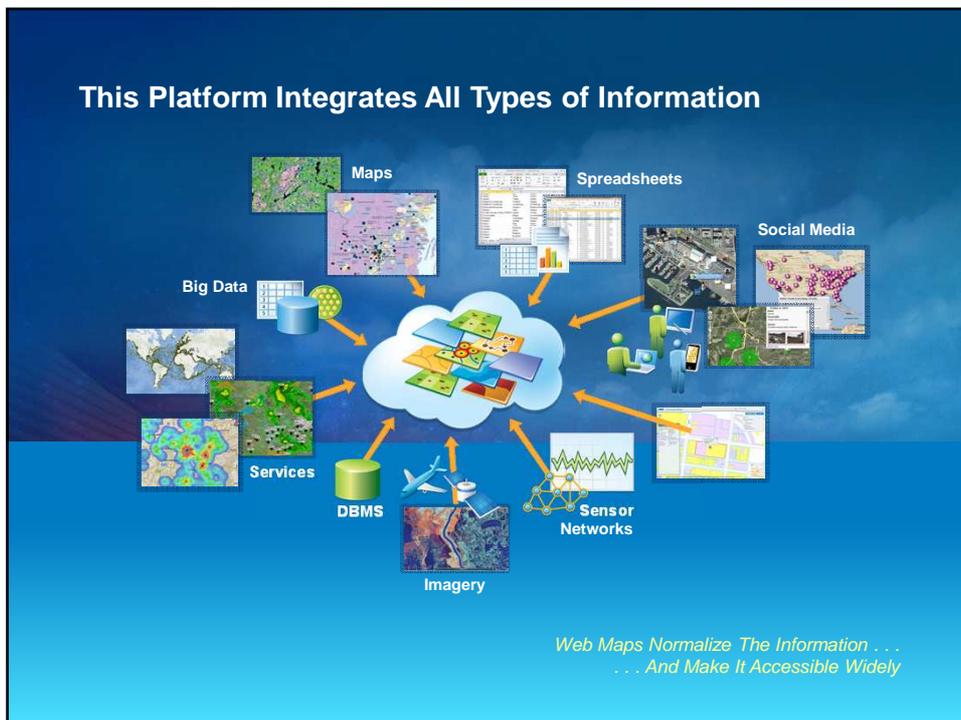


Providing Webmaps and Tools. . . .

Enabling New User Experiences



This Platform Integrates All Types of Information



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

Web services power web maps, open standards.....

Web Maps are the New Medium

Providing Intelligent Maps to Everyone

Any Device



Dynamic

Making Dynamic Geographic Information Available Anywhere

Global Basemaps are Part of the Platform

Normalized Commercial and Government Sources



Geocoding
Streets
Oceans
Places
Routing
Imagery
Terrain
Topographic
Demographics

Available on the Web and as an Appliance

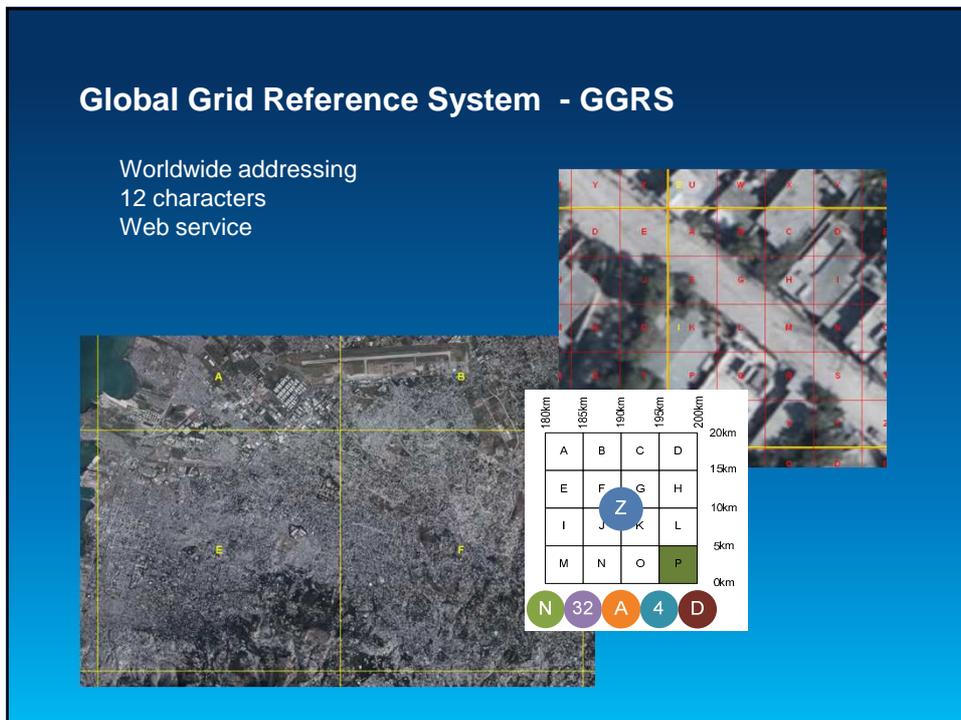
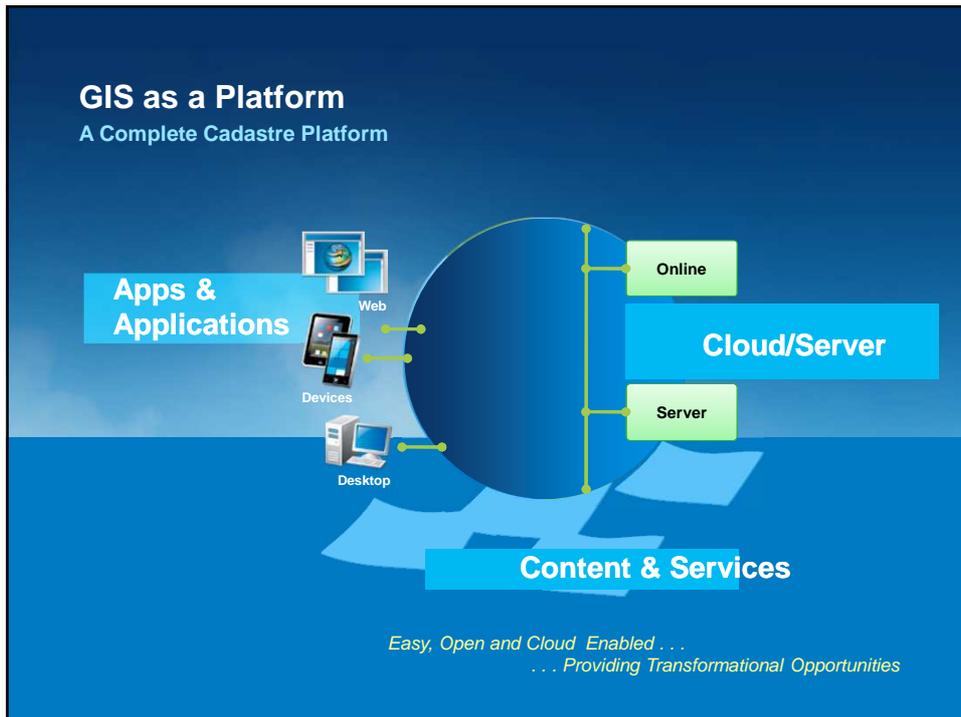
... Providing a Foundation for Your Work

Your Data/Maps On Any Device

Apps - Changing the way we think about computing



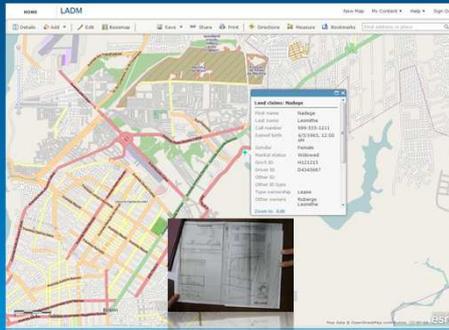
... Making Land Information Accessible Everywhere



LADM in the Cloud

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

LADM WFS– feature service
 Editable worldwide
 Publically available

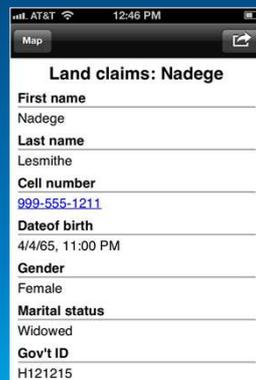


Worldwide, device independent.....

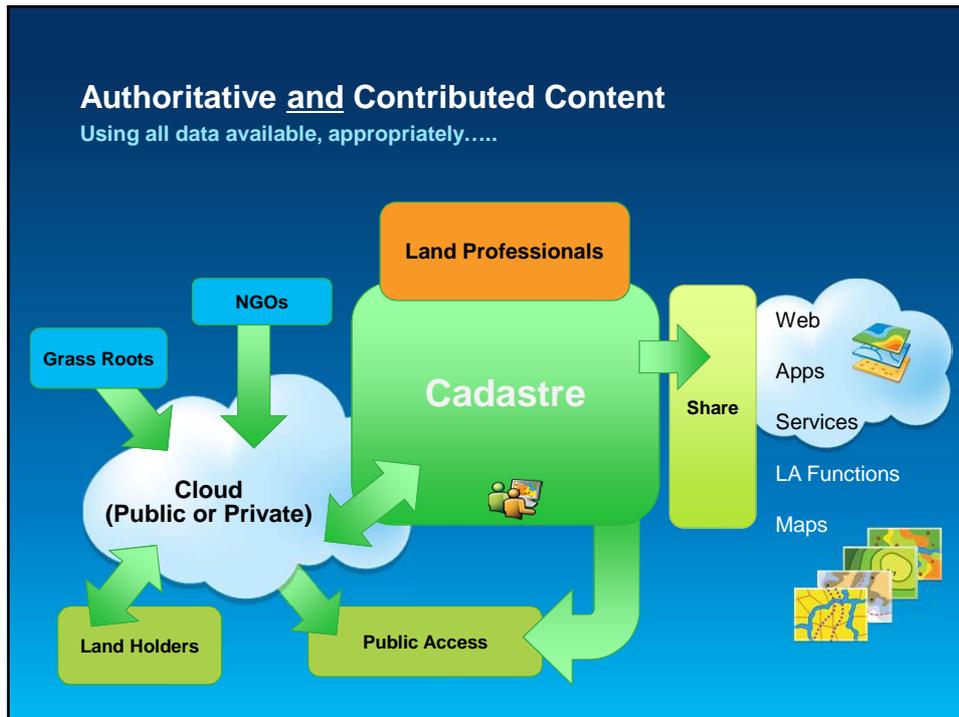
LADM in the Cloud

Add information on tenure....

Any device
 Works disconnected



Open Maps and LADM attributes.....



Land Administration for Sustainable Development

Free eBook Download

www.esri.com/landing-pages/industries/land-administration/e-book



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