



Fit-for Purpose Approaches to Land Administration

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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



Benefits of Good Land Administration

Key to addressing global challenges.....

- Secure Tenure
- Equitable Land and Property Taxation
- Support for Government Functions
- Manage Land Disputes
- Protect State Lands
- Poverty Alleviation
- Support for Land Markets
- Improved Land Planning
-



Leveraging the capabilities in ArcGIS.....

GIS and Cadastre Solutions

Core cadastre capabilities.....

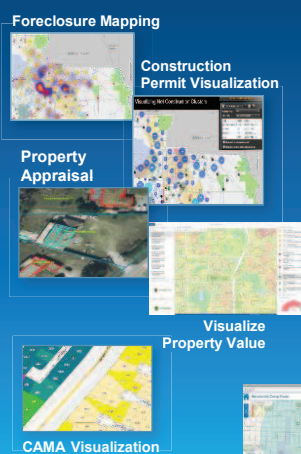
Cadastre Management



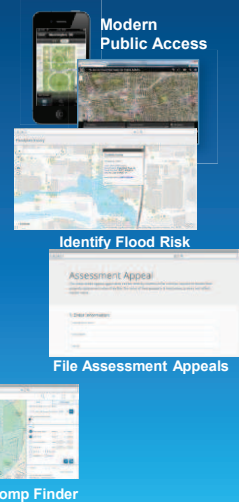
Field Operations



Valuation Analysis

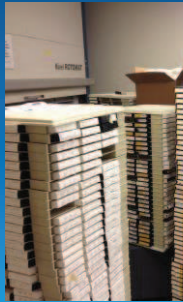


Public Engagement



System of Record

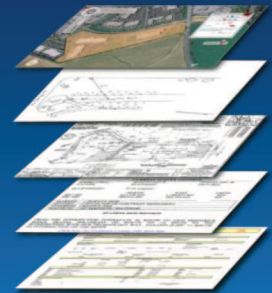
Organizes and Manages the Legal Record of Ownership, Value and Location



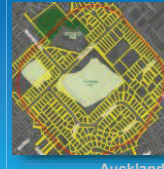
Cadastral History



Quebec, Canada

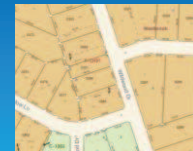


Parcel Query



Auckland, New Zealand

Tax Parcels

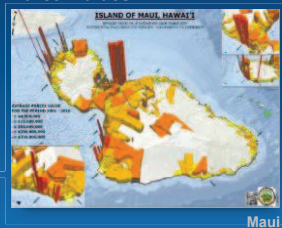


Wisconsin

System of Insight

Understand the factors impacting property value and use

Parcel Values



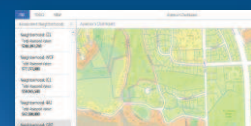
Maui

Historic District Property Values



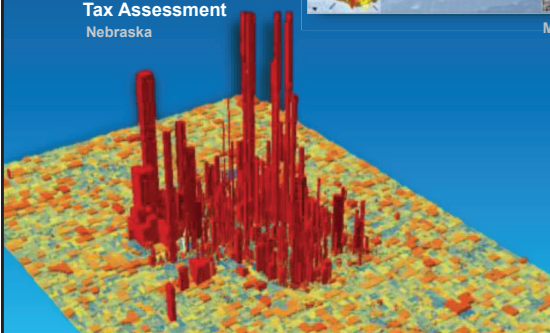
Georgia

Value Analysis Dashboard



Tax Assessment

Nebraska

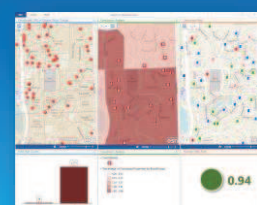


Residential Platting

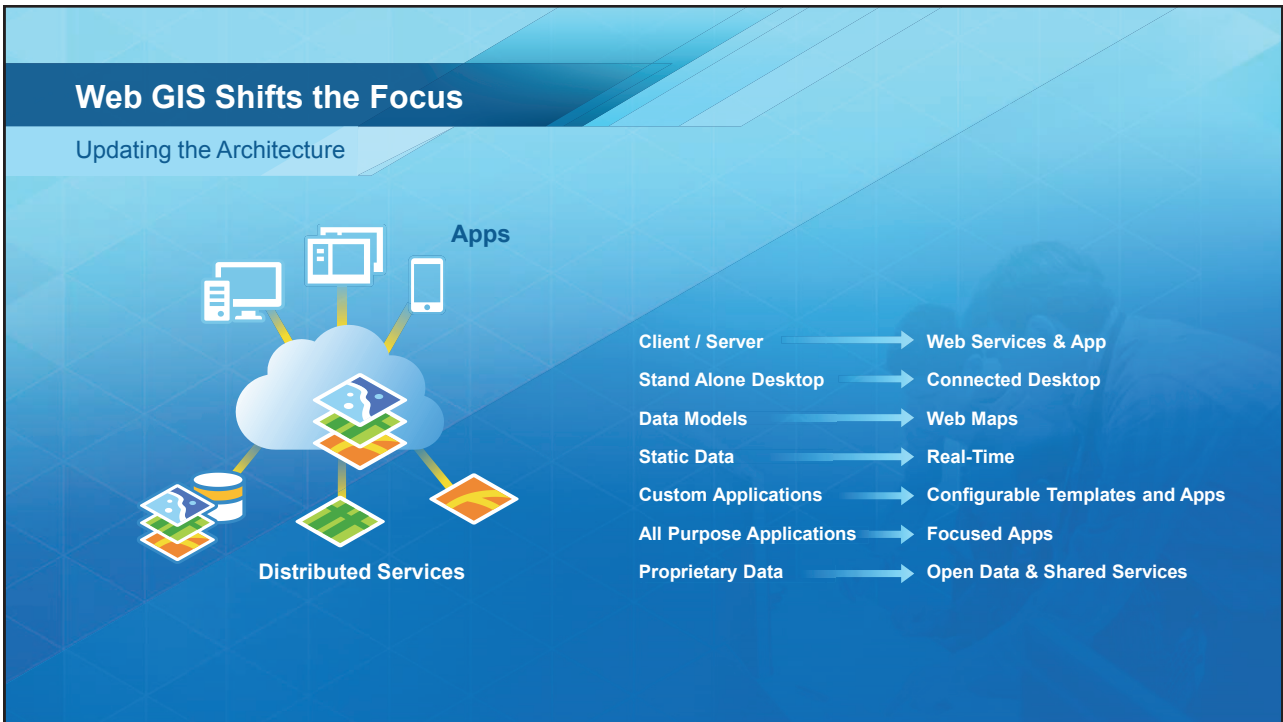


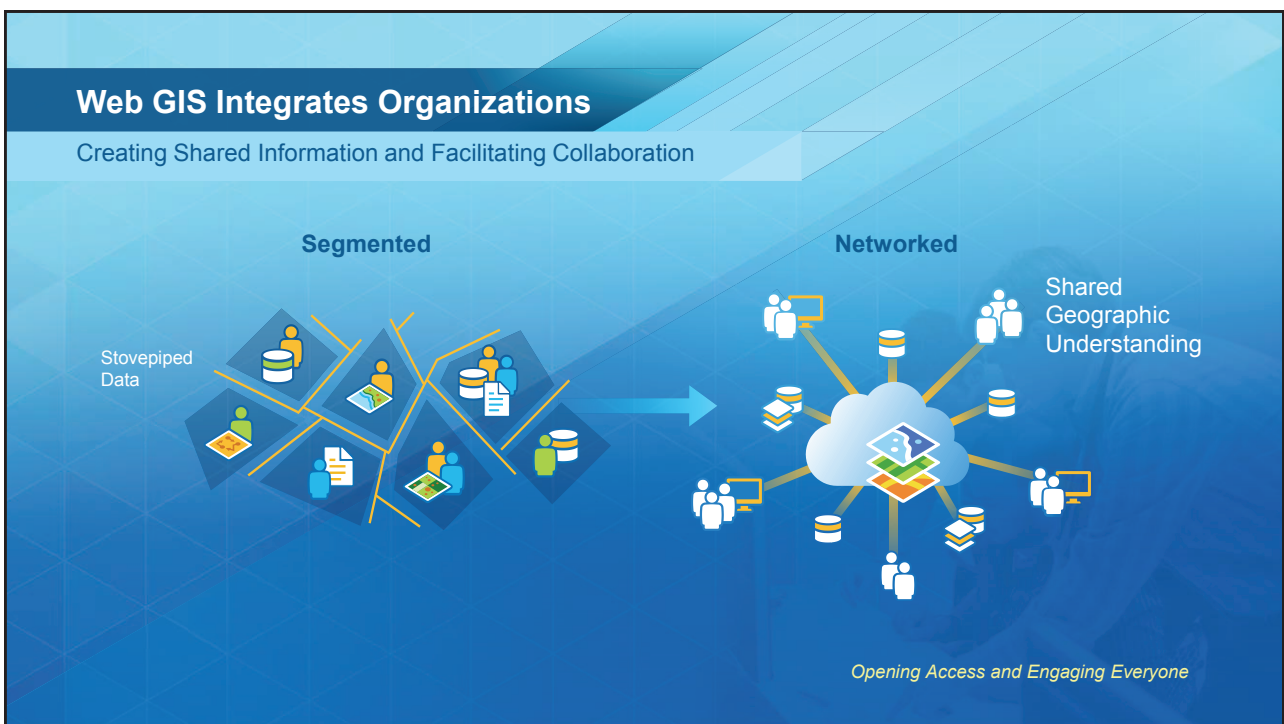
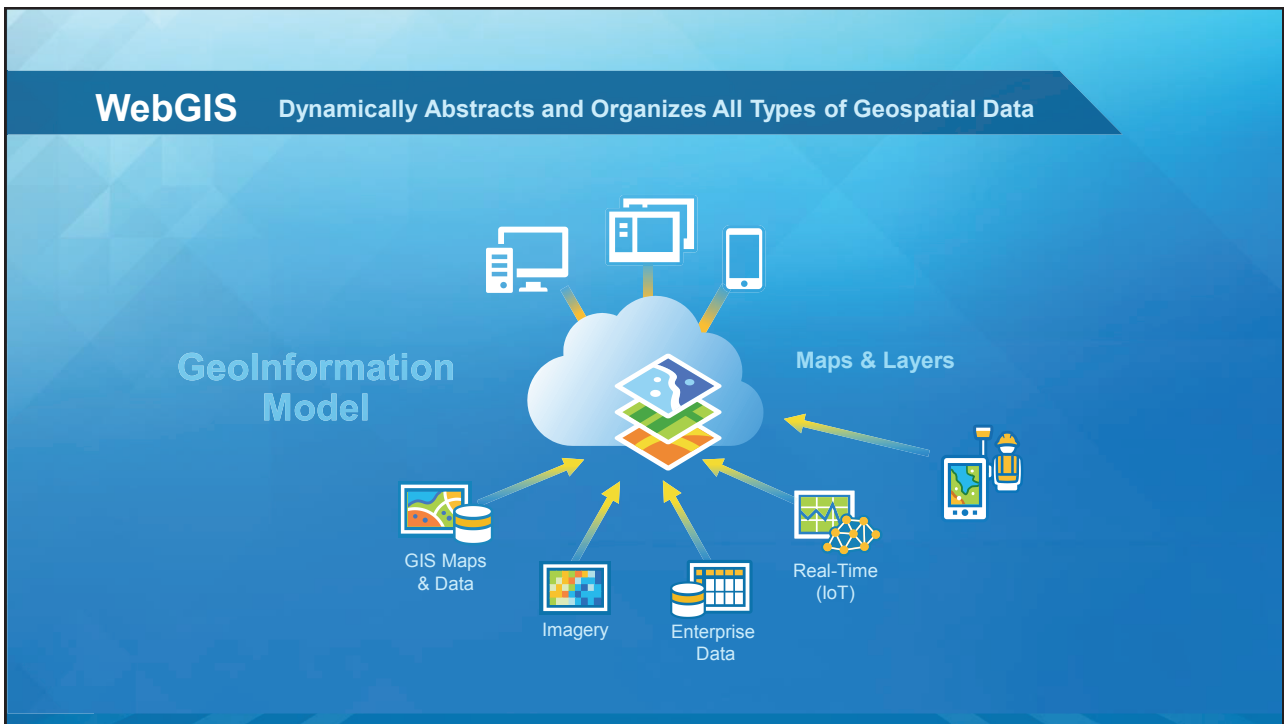
Texas

Operations Dashboard



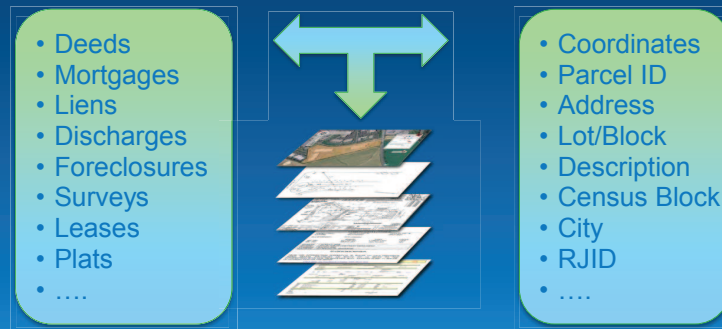






Registry and Cadastre – Location Data

Linking spatial and non-spatial data....

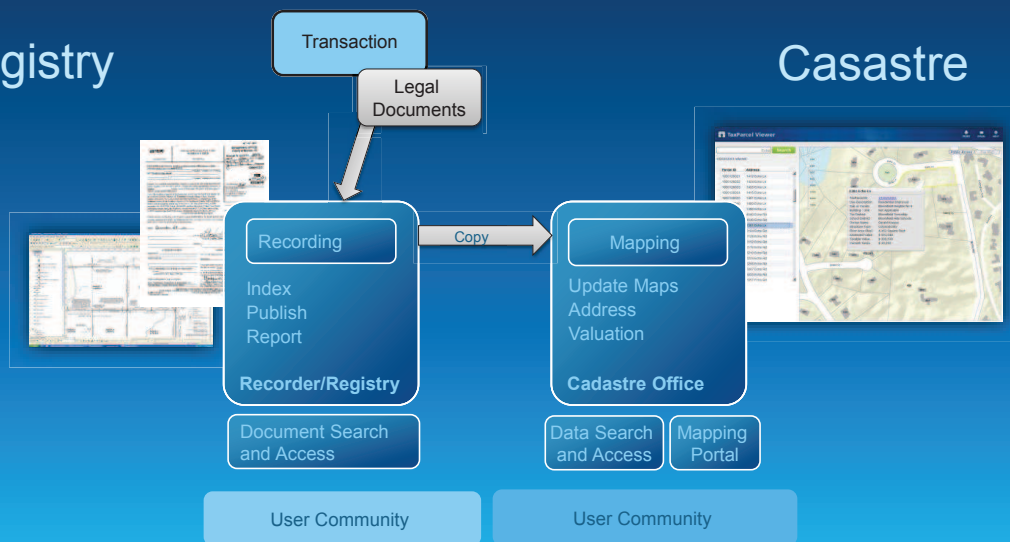


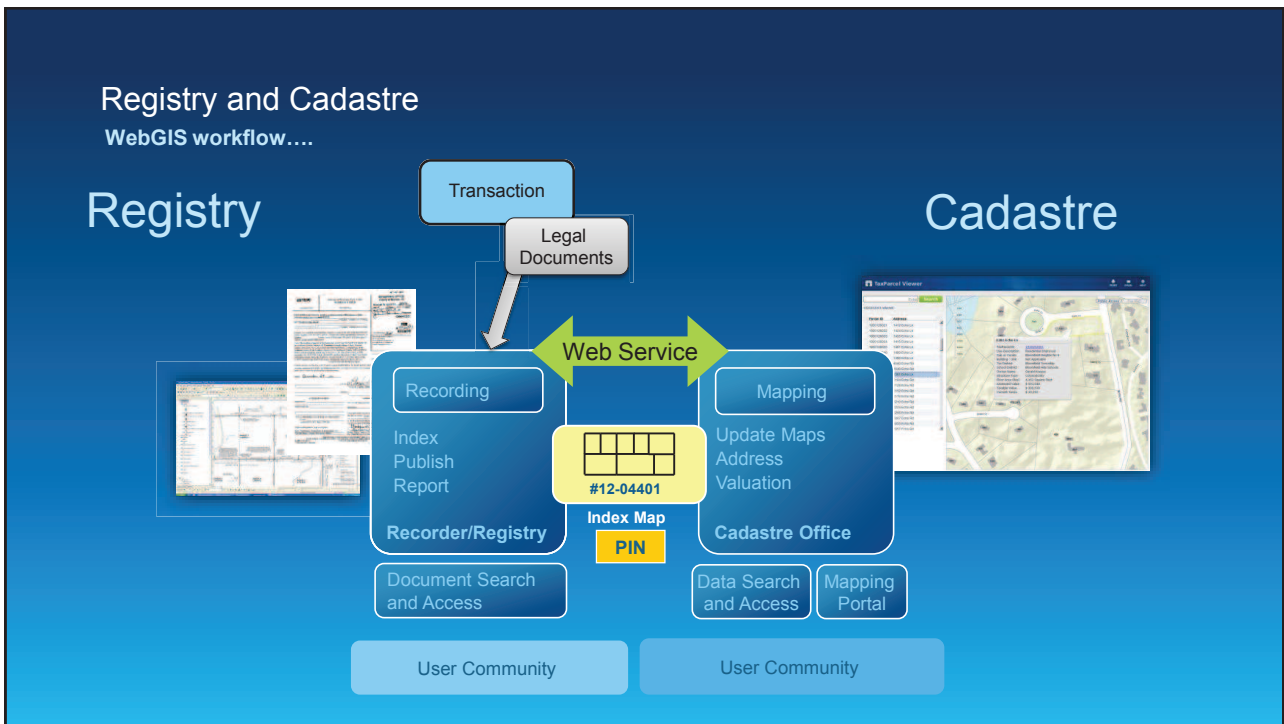
Registry and Cadastre

Traditional workflow....

Registry

Casastre





Collaboration in Colombia COTS, standards, security.....

- IGAC – National Mapping Agency
- Kadaster International
- Trimble
- Esri
- Esri Colombia

esri

esri Colombia

Trimble

ISO 19152:2012
Geographic information – Land Administration Domain Model (LADM)

FISMA Authorization & Accreditation

FedRAMP
Ensuring secure cloud computing for the Federal Government

TRUSTe CERTIFIED PRIVACY

Why this Approach?

Fit-for-purpose and fit-for-the-future in a couple of weeks.....

- Fast-to-Implement
- Standards-based
- Low Cost
- Accurate
- No Software Development
- Secure
- Leverages External Data
- Uses Many Devices
- Future Proof
- Scalable
- Repeatable
- Works Disconnected

Leveraging Modern Approaches

COTS and configurable

