

California
TECHNOLOGY AGENCY

GIS in California

Spatial Data Infrastructure Discussion

Introductions and Overview

- GLO's role
- Spatial Data Infrastructure Overview
- Planned Initiatives

Geographic Information Officer's Role

- Represent California's GIS\Geospatial interest at National and State events
- Provide executive oversight for GIS\Geospatial Activities for the State
- Develop collaborative partnerships with Federal, State, Local, and Private sector partners and stakeholders
- Create Centers of Excellence for sector specific application of geospatial technology
- Develop Statewide Geospatial Policy
- Evangelize GIS and Geospatial technology
- Engage executive level management to engrain GIS into State business activities
- Mature and Develop California's SDI
- Make California a world class example of GIS technology use and application

Geography is our Common Language



Location is the key to the relevance of government to its citizenry

Spatial Data Infrastructure



CSDI Policy Development

- Stewardship and Authoritative Content
- Governance
- Data Acquisition and Dissemination Standards
- Collaboration
- Personnel
- Transparency

CSDI Data Development

- **Framework Data Layers**
 - Transportation
 - Hydrography
 - Imagery
 - Government Boundaries
 - Cadastral
 - Elevation
 - Geodetic Control
- **Stewardship and Authoritative Content**
 - Identify Stewards for Framework Data layers
 - Establish collaborative data integration partnership
- **Industry focused data capture and Development**

CSDI Standards

- **Open GIS Standards**
 - Based on OGC (Open Geospatial Consortium)
- **Data Format**
 - Various industry standard data types
- **Enterprise Integration**
 - SOAP, XML, SQL
- **Web Standards**
 - WMS, WCS, WFS, KML
- **Cartographic Standards**
- **Coordinate and Spatial Reference**
- **Metadata Standard**

CSDI Technology

- Services Oriented Approach
- Focus on key “use” drivers
 - G2G – Government to Government
 - G2B – Government to Business
 - G2C – Government to Citizen



GIS SOA (Services Oriented Architecture)



GIS Web Services



CA GIS Cloud



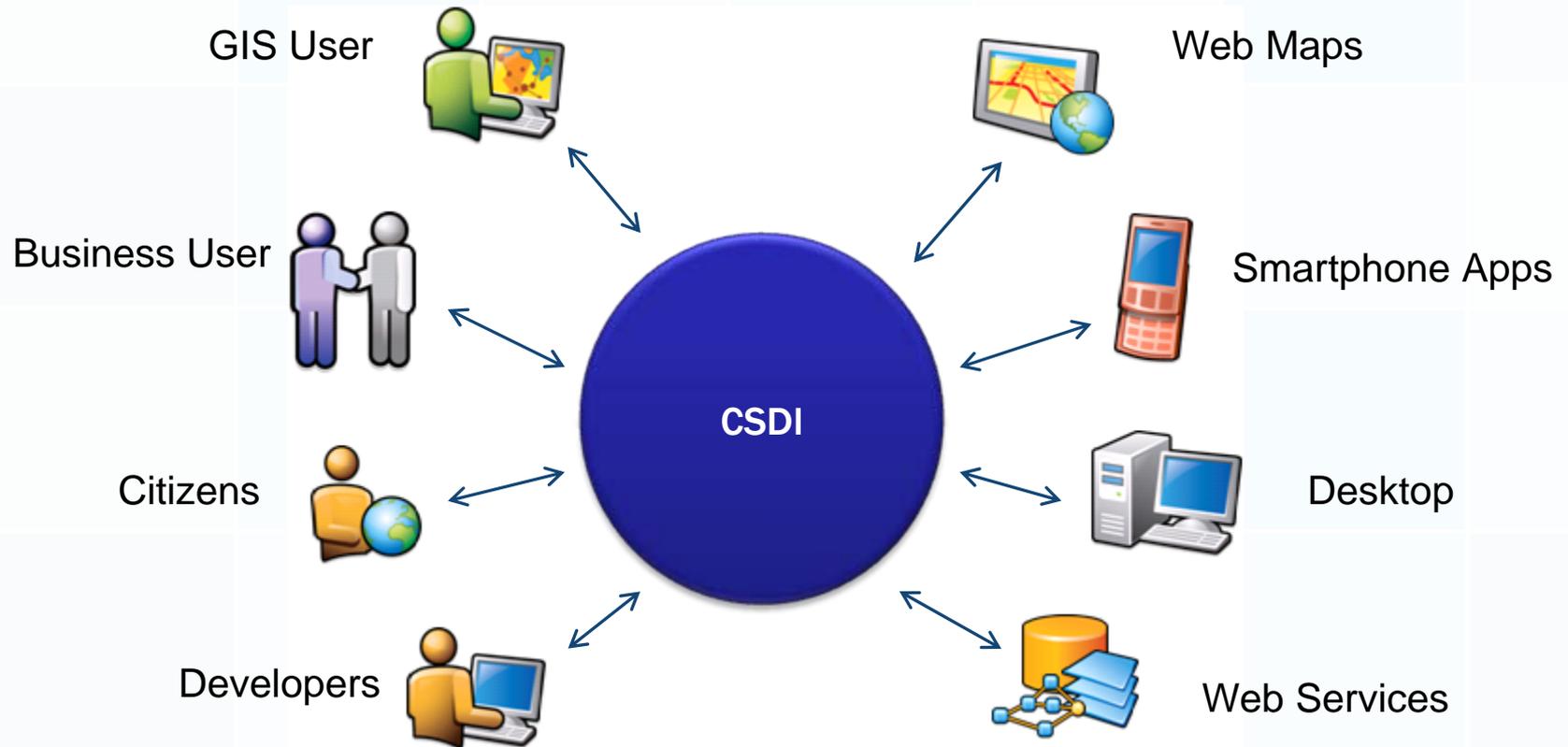
Spatial Products



Consumers



Multi-Level Support for Users/Clients



California API

- Authoritative Content
- Web Services
- Tools
- Functionality
- Geoprocessing Capabilities



Enable the Developer Community to leverage State derived content for value added application development, and increase government transparency.

Thank You

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