

## The Current Status of Land Parcel Data in the United States

*David Cowen – University of South Carolina*

*Nancy vonMeyer – Federal Geographic Data  
Committee- Cadastral Subcommittee*

*Bob Ader – Bureau of Land Management*

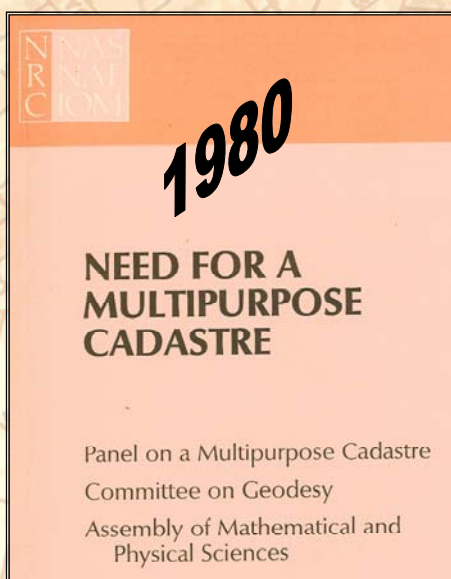
## What do we know about national interest in parcel level data ?

- “There is a critical need for a better land-information system in the United States to improve land-conveyance procedures, furnish a basis for equitable taxation, and provide much-needed information for resource management and environmental planning “

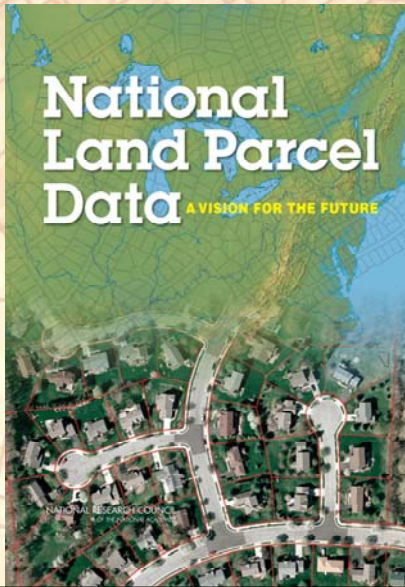
## Obstacles

- The major **obstacles** in the development of a multipurpose cadastre are the **organizational** and **institutional** requirements.

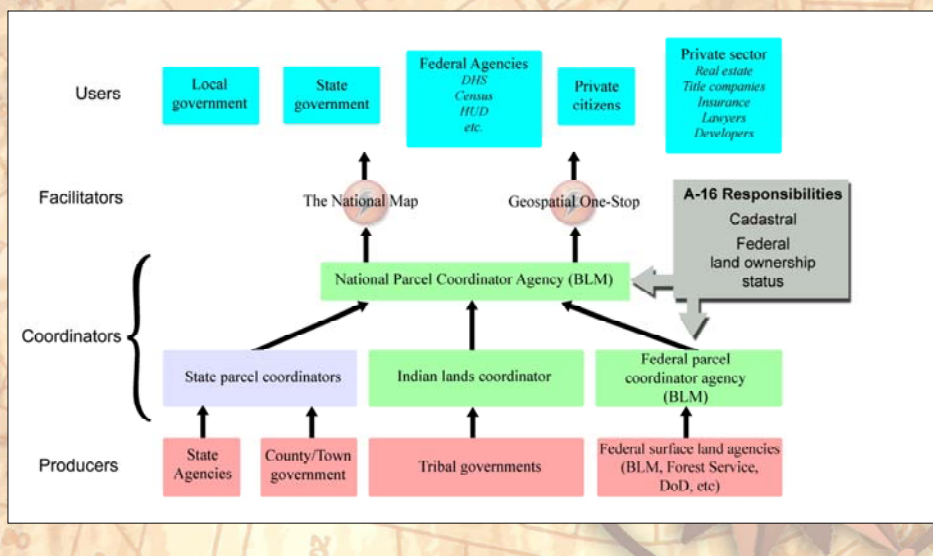
But, of course, we knew that in 1980



## 2007 National Research Council



## Interpretation of Current Situation





## Tiger Wood's House in Orange County, FL

**WARRANTY DEED**

THIS WARRANTY DEED was first entered into on the 10th day of July, 2009, by MICHAEL EDWARDS and CLAUDE STEVEN, husband and wife, whose mailing address is 100 20th Street, Orlando, Florida, 32801, and the Respondent herein is a "Grantor", to STEVEN WOODS, TRUSTEE of THE TIGER WOODS RESPONSIBLE TRUST, dated April 26, 1998, whose mailing address is 100 20th Street, Suite 100, The Tiger Woods, Orlando, FL 32801. A successor referred to as "Grantee".

BEFORE ME, the undersigned authority, on this day personally appeared MICHAEL EDWARDS and CLAUDE STEVEN, the Grantor and subject of the foregoing, known to me to be the Grantor and subject of the foregoing, and acknowledged to me and in the presence of my witnesses, the execution and content of the foregoing instrument, and the execution thereof for the purposes and consideration therein expressed. My commission expires on the 10th day of July, 2011.

Given Under My Hand and Seal of Office on this 10th day of July, 2009.

Notary Public in and for the State of Florida

IN WITNESS WHEREOF, the said Grantor has hereunto set his hand and seal this 10th day and year first above written.

Signed, sealed and delivered in the presence of:  
 Michael J. Edwards  
 Printed Name: Michael J. Edwards  
 Claude Steven  
 Printed Name: Claude Steven  
 Steven Woods, as Trustee of The Tiger Woods Responsible Trust dated April 26, 1998

## Florida Parcels on FTP Site

Index of ftp://sdrftp03.dor.state.fl.us/ - Mozilla Firefox

File Edit View History Bookmarks Tools Help

ftp://sdrftp03.dor.state.fl.us/

Customize Links Free Hotmail Windows Marketplace Windows Media Windows

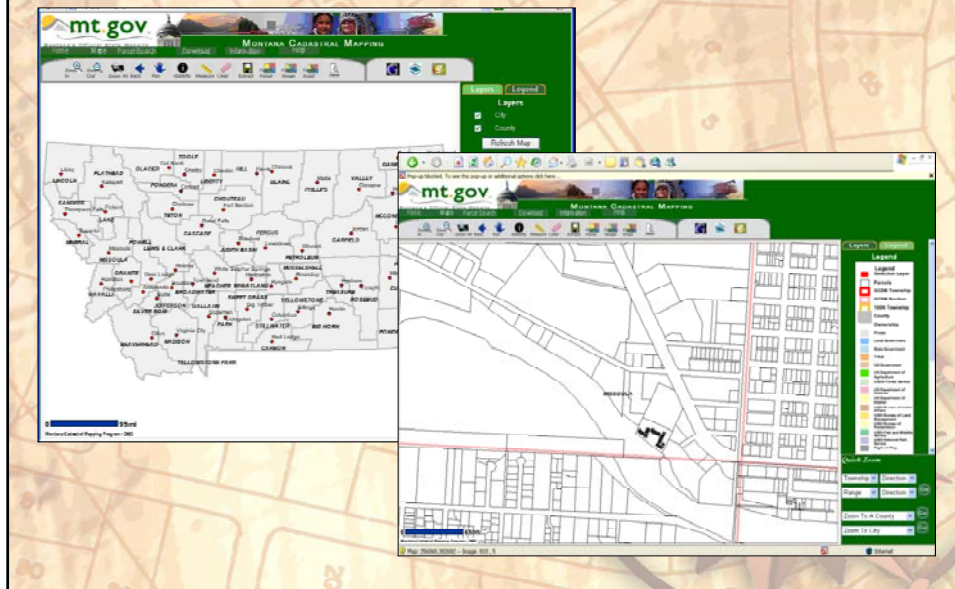
Google Search

**Index of ftp://sdrftp03.dor.state.fl.us/**

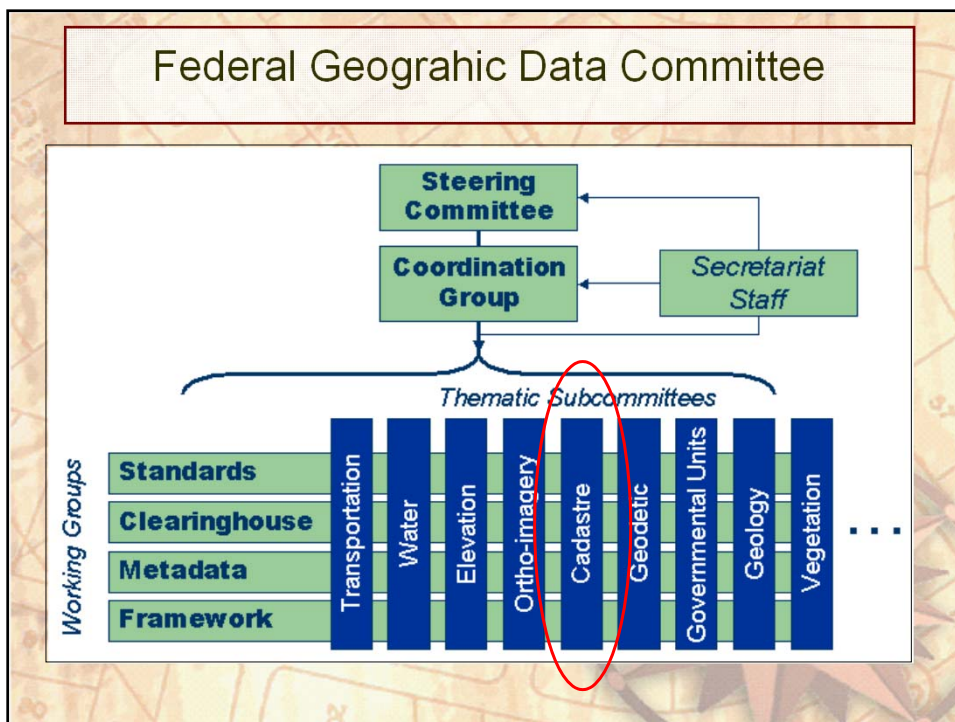
[Up to higher level directory](#)

<a href="#">2007 Final Real Property Tax Rolls</a>	6:28:00 PM
<a href="#">2007 Tangible Personal Property Tax Rolls</a>	3:05:00 PM
<a href="#">2008 Map Data</a>	1:12:00 PM
<a href="#">About Tax Roll Data</a>	8:45:00 PM
<a href="#">Training</a>	10:44:00 AM

## State of Montana Cadastral Mapping Project



## Federal Geographic Data Committee

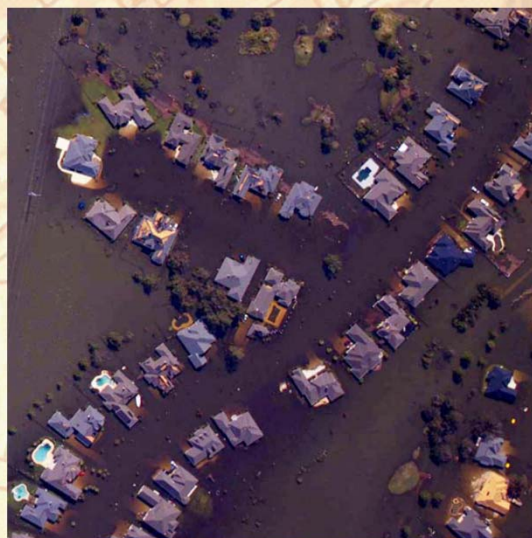


## What benefits do you perceive from having a national multipurpose cadastre?

- **Parcel data is the fundamental building block** for all geographic analysis and serves as the raw material for most applications – most geographic analysis is benefit from the ability to understand the result at the parcel level
- A multipurpose cadastre enables a vast range of location-based services that will **improve safety and increase efficiency** of current operations
- Available, **critical data** for emergency response
  - Local parcel data were still being sought 8 weeks into the response to Hurricane Katrina
  - Impact from most disasters is **best understood at the parcel level**
  - GIS is becoming the way disasters are managed. A common operating picture depends on an available multipurpose cadastre
  - National response centers such as IMAAC depend on the availability of local data for accurate hazard predictions and health recommendations such as shelter in place
- **Most DHS programs depend on geographic data that is at the parcel scale**
  - for example Critical Infrastructure Program
- The ability to protect the privacy of individuals is dependent on an accurate parcel-level database



## Katrina

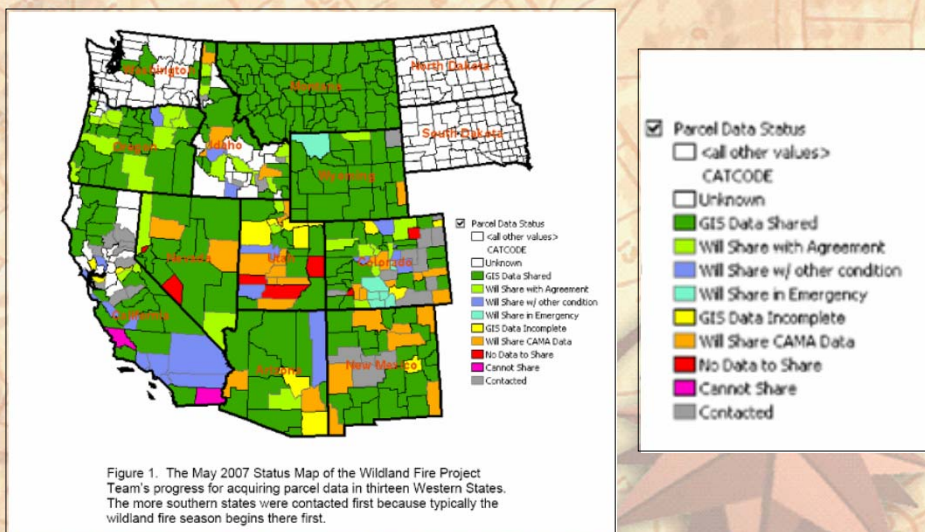




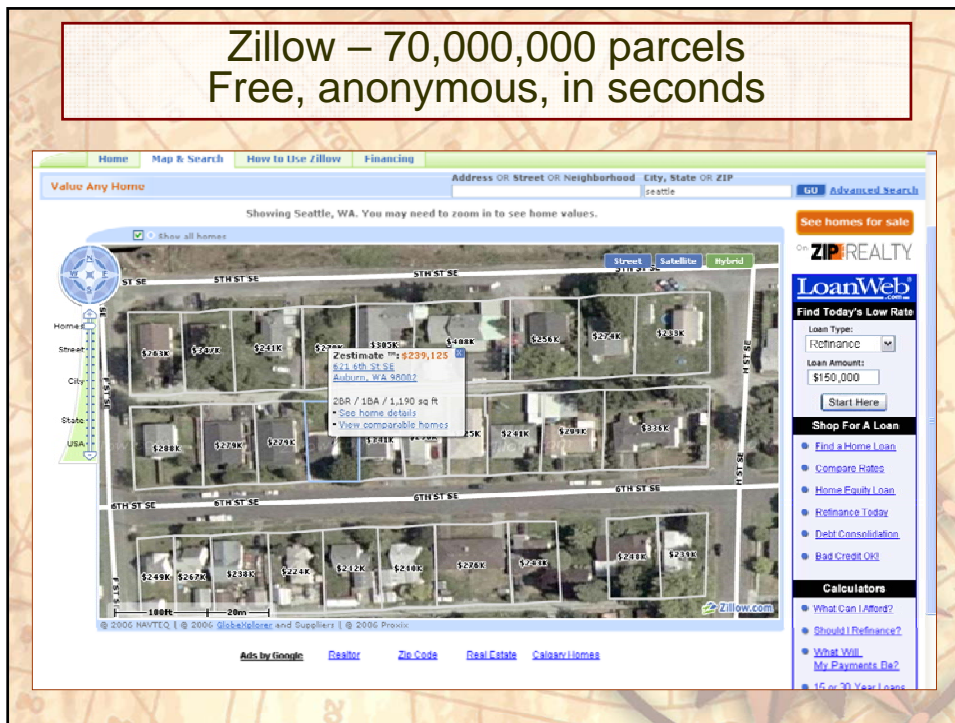
## Southern California



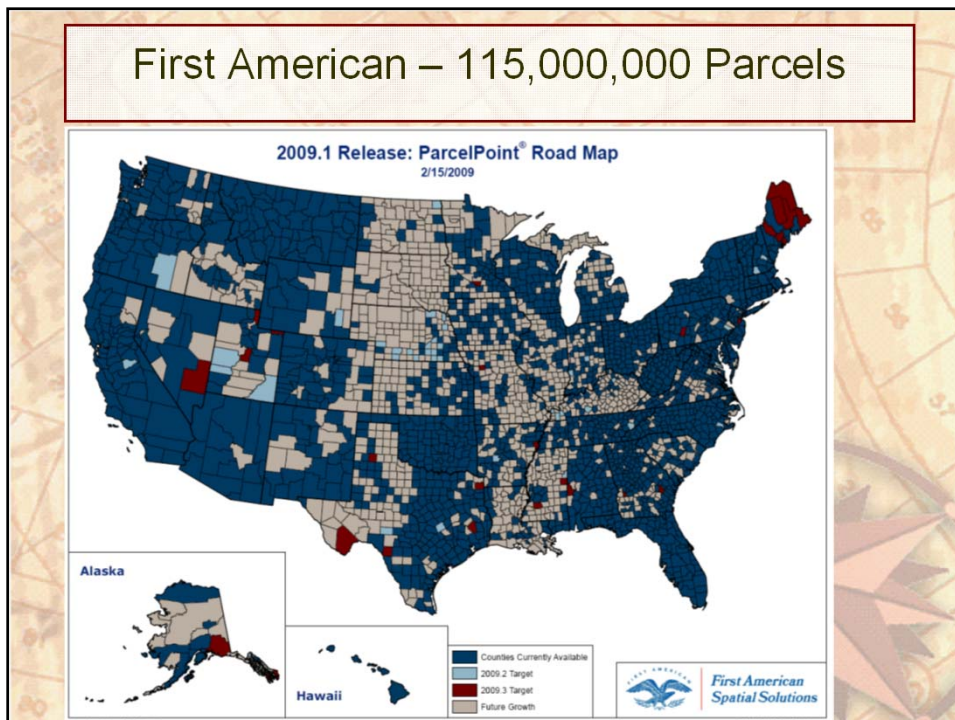
## Cooperation Rapid Assessment of Values at Risk (RAVAR)



## Zillow – 70,000,000 parcels Free, anonymous, in seconds

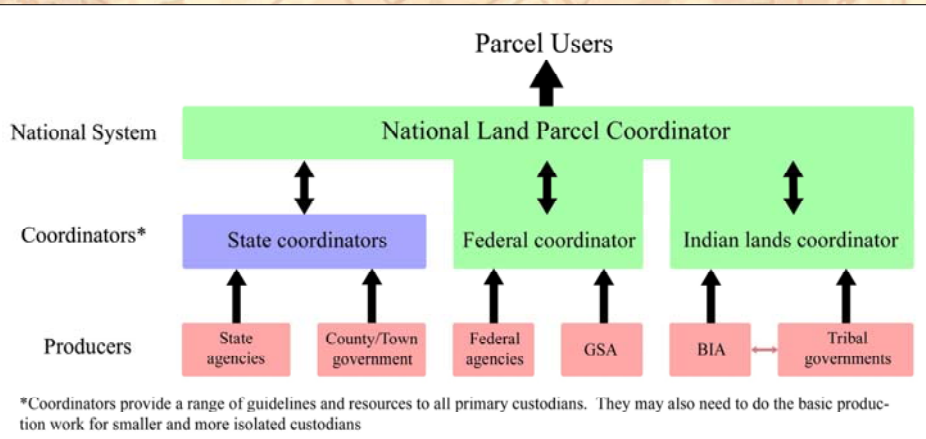


## First American – 115,000,000 Parcels





## Proposed Organizational Model



## Karen Siderelis, chair of the FGDC

*“Land parcel data combined with other geographic information are **essential** to such functions as the management of emergency situations, development of domestic energy resources, management of private and public lands, support of business activities, and monitoring of regulatory compliance.*

(FGDC Annual Report, 2009)