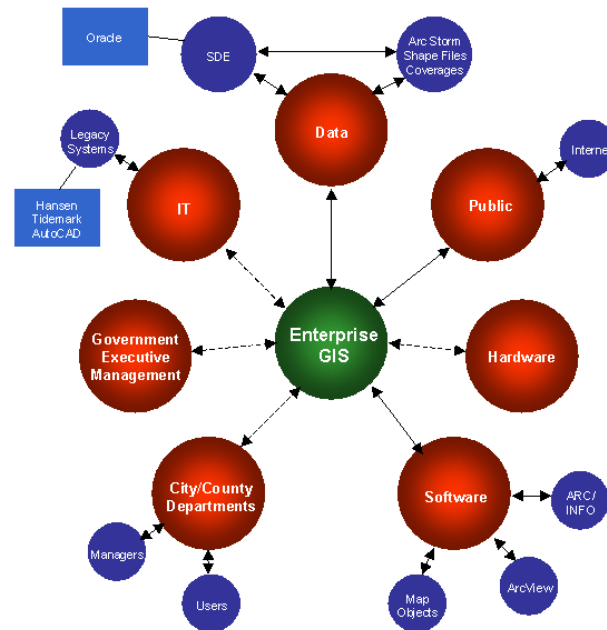


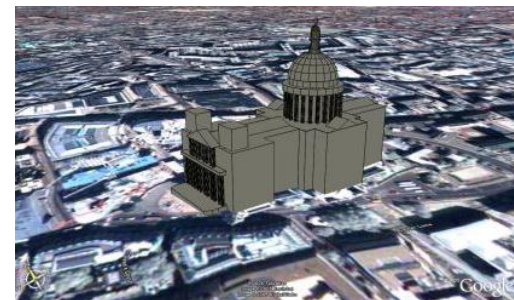
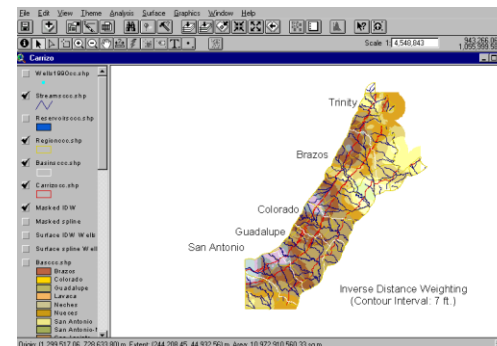
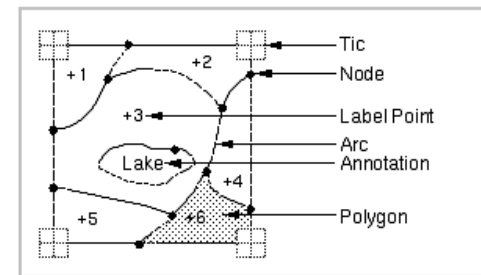
# Building Vermont's Federated Enterprise



**Steve Sharp, Directory of Enterprise Services**  
**VT Center for Geographic Information**

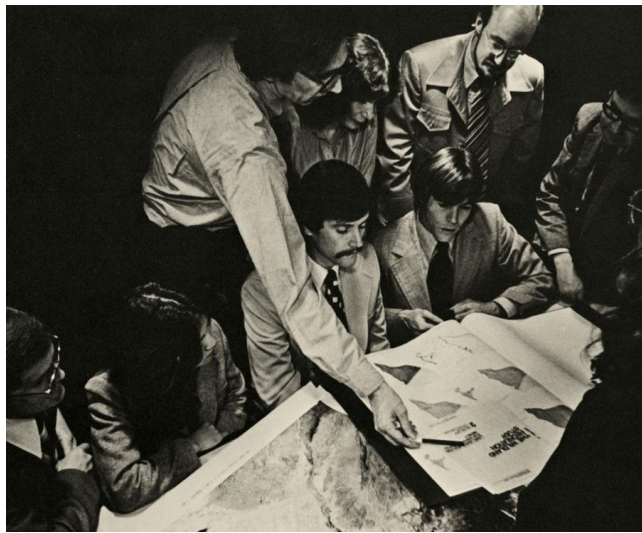
# Presentation Outline

- **BG (Before GIS) in VT**
- **VT GIS in the Middle Ages**
- **the Renaissance**
- **the *Enterprise Age*....**



# BG (Before GIS) in VT

## VT Ortho Program - 1974



Emerson F. Baker

**Analog maps ruled!**

**The Foundation of VT's GIS**



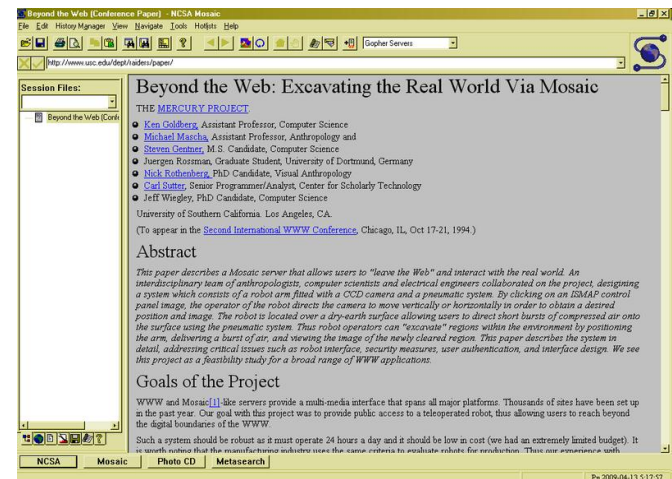


# The Renaissance (1990s)

- OGIS becomes VCGI in 1992
- Desktop GIS becomes a reality
- Adoption and use increases
- VT Data catalogs and metadata
- Technology improves rapidly
- VT GIS Community matures and grows
- Dawn of the Internet



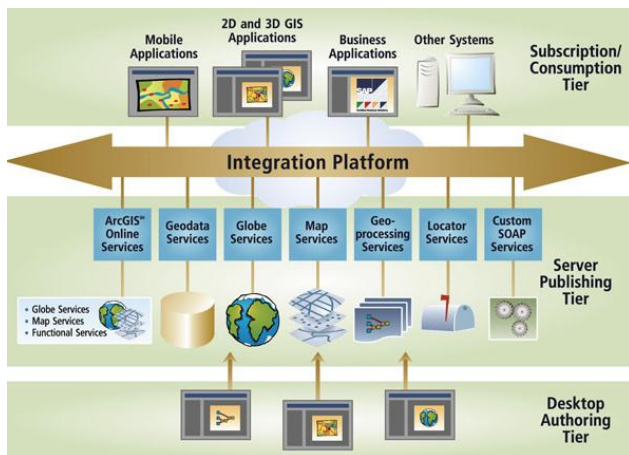
ArcView



Mosaic

# Enterprise Age (2000 and beyond)

- Data everywhere...just need to share
- VT GIS institutional relationships mature
- Multi-tiered GIS becomes a reality
- Web-based mapping becomes prevalent
- Google / Bing / Map Quest...location location location
- the Democratization of GIS



# Building VT's Federated Enterprise

## Quick Overview

- State convened an **Enterprise GIS Taskforce** in **2007**
- Taskforce spearheaded **Enterprise GIS Initiative**
- 12 month strategic planning process
- Drafted **Enterprise GIS Strategic Plan**
- Established the **Enterprise GIS Consortium (EGC)**

# Building VT's Federated Enterprise

## Why bother with all of this?

- The State's use of **GIS** emerged in a decentralized fashion
- Some made efforts to coordinate/share...others did not
- **VCGI's** role allowed it to foster collaboration, standardization, and sharing
  - **However, VCGI discovered that institutional barriers and requirements often limited the effectiveness of such efforts**

# Building VT's Federated Enterprise

## Strategic Planning Process

- VT's Enterprise GIS Initiative started in 2007
- Previous efforts laid the foundation for this initiative
  - Good relationships between VCGI and Agencies
  - Shared web mapping platform (Geocortex IMF)
  - Standardized SDE architecture (distributed)
  - Formalized data sharing and distribution





# Building VT's Federated Enterprise

## Strategic Plan – The Big Picture

- Consistent with recommendations by the **Vermont Institute on Government Effectiveness**
  - “Modernizing both the state’s information technology, and **management of information technology**, is the key to greater efficiency and better service in state government.”



# Building VT's Federated Enterprise



## Vermont's Enterprise GIS Consortium

- Plan recommended formation of a voluntary consortium of state government organizations focused on the management of the State's Enterprise GIS; the **Enterprise GIS Consortium (EGC)**
- **Membership** - 1) **voting** and 2) **non-voting**.
  - State agencies, departments, and **VCGI** are eligible for voting membership
  - All other organizations, including federal, regional and local government, are eligible for non-voting membership

# Building VT's Federated Enterprise

## EGC is a Federation

**Federation:** “a federated body formed by a number of nations, states, societies, unions, etc., each retaining control of its own internal affairs,” **Dictionary.com**



# Building VT's Federated Enterprise



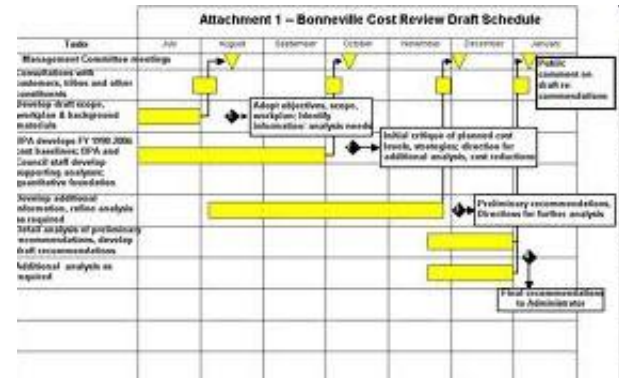
## Members of the Federation...

- **VT Center for Geographic Information (VCGI),**
- **Department of Information and Innovation (DII)**
- **Agency of Natural Resources (ANR)**
- **Agency of Human Services (AHS)**
- **Agency of Transportation (VTrans)**
- **Agency of Commerce and Community Development**
- **Enhanced 911 Board (E911)**
- **VT Emergency Management (VEM)**
- **VT Association of Planning & Development Agencies**
- **U.S. Geological Survey (USGS)**

# Building VT's Federated Enterprise

## EGC's Annual Business Plan (Work Plan)

- Annual plan (starting July 1<sup>st</sup>)
- Identifies specific work items for the year
- High priority items, and those that can be completed in a 12-month timeframe
- Goal is to demonstrate that the EGC can be effective and produce measurable outcomes
- Annual Report written at the end of the year summarizes accomplishments



# Building VT's Federated Enterprise



## EGC's Accomplishments

- **EGC membership has grown to 10 Agencies**
- **Established Data Exchange Protocol**
- **Established GIS retainer contracts to expedite procurement of GIS services**
- **Developed and deployed geocoding and cached image services**
- **Built EGC SharePoint website (GeoPoint GIS Portal)**
- **Investing in a web mapping ADF and platform**
- **Working on a “Federated Architecture” strategy**

# Building VT's Federated Enterprise

## The Future – Opportunities

- **Organizational Trends**

- Shrinking budgets underscore need for greater coordination and resource sharing
- E-Gov initiatives (effective government)
- Momentum is building behind the EGC

- **IT Trends**

- Trend toward consolidation/virtualization
- Web oriented architectures and applications



# Building VT's Federated Enterprise

## Conclusion

- State agencies can come together to **find common ground, articulate common goals, and find common solutions**
- Enterprise GIS Consortium represents a new organizational paradigm within state government; a paradigm built around **collaborative governance**



# Building VT's Federated Enterprise

## Questions & Answers?



## Contact Information

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