ECAI Vision for Data Sharing

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ECAI Vision

- Advancing scholarship through encouraging greater attention to TIME and SPACE

- Demonstrating the value of Using a Time and Space interface to:
  - discover, access, visualize, integrate, compare, and analyze digital resources

- Building Virtual collections of cultural information using Time and Space as a framework for integration
  - integrating by time and place overcomes many institutional and cultural divisions

- Creating a Digital Library of distributed cultural resources contributed by scholars all over the world
  - choose a time and place - view an integrated menu of distributed multimedia resources
Multiple methodologies to implement the vision

- Building Community
- Collaboratively designing and creating IT infrastructure and tools
- Encouraging scholarship and teaching using ECAI methodologies and tools
- Identifying a research agenda
ECAI/PNC Conference 2000

- Build a *Community of Scholars* interested in the use of Time and Space for cultural resources
Create proof of concept and *demonstration* projects

**Demo**

**Empires**
Support *IT infrastructure and tools* development
Develop Time and Place Viewers
Online catalog of accessible distributed datasets

Metadata components

- Description of the dataset
  - Bibliographic information

- Information allowing the browsers to access the time and space data
  - Connection metadata

- Identification of links to multimedia resource
  - Navigation control
Authoring Tools and Models

Creating Projects, Atlases, and Services

- Developing geo-spatial data resources
- Creating metadata and making datasets accessible
- Connecting spatial information to related resources
  - Web links, Documentation files, Attribute tables
- Navigation and Cartography design
  - Layer Control, Zoom Ranges and Time Filtering
Develop a scholarly digital publication program

ECAI ePublication Series

The ECAI ePublication Series provides stable, long-term access to peer-reviewed, map-based digital scholarship in history and the humanities. The first series (September 2002) includes: A Sasanian Seal Collection in Context.

ECAI publications include a text component, a web-based map, and a fully interactive downloadable map. The text provides a preliminary explanation of the research methods, intellectual context, and presumed value of the work. It is recommended that readers begin by exploring the text for general orientation, and then browse to the multi-media materials.

A Sasanian Seal Collection in Context: Electronic Cultural Atlas Initiative Publication of the Edward S. Gins Collection at University of California, Berkeley

Guitty Azarpay and Jeanette Zarmke
May 2002

This Internet publication provides online access to the collection of Sasanian sealstones in the collection of the University of California at Berkeley’s Near Eastern Studies Department and contextual information on the Sasanian Empire.

The study offers a comprehensive analysis of some 370 sealstones attributed to the Parthian Sasanian empire (AD 224-641) in Western Asia during the period of Late Antiquity. The database for the present publication contains
Community Support

- Develop *community support* systems
  - ECAI Institutes
  - Help Files
  - Knowledge Base
  - Conference work sessions
Incorporating Time and Space enabled digital resources in teaching

- Collaboration with Dominican University elementary school teacher training program
  - Help teachers learn how to create appropriate resources for their classrooms
  - Help students use maps and understand time and space context

- Collaboration with Center for Information Technology in the Interest of Society (CITRIS)
  - Developing faculty collaborations for resource development
  - Supporting faculty to incorporate dynamic maps and digital objects in teaching
Research

- **Encouraging new understandings of our cultural heritage**
  - Studying the relationship of current cultural traditions to historic objects and events
  - Exploring relationships between religious, political and linguistic boundary changes
  - Discussions of the meaning of time and space in our cultural heritage

- **Incorporating new technologies in research**
  - Learning to use dynamic maps with integrated digital data in cultural research
  - Exploring the impact of these technologies and techniques on scholarly processes
  - Informing the development of future digital resources and technologies
Further Information

- Ian Johnson will present examples
- We invite you to attend our sessions in the coming days
- Please see our website: ecai.org