

Featured Technology and Project Demonstrations

DEMO #1 3D Regional Canvas for the Californias

SIO Visualization Center (take shuttle)

3D visualization is key in understanding the complexity of our region's environmental and social problems, from watershed and toxic transport to socio-economic issues around crime and poverty. Here, we showcase state-of-the-art 3D visualization technologies currently being developed and tested in collaborative, partnership-driven research projects. This is part of a long term effort to create a "City-Region Visualization Theatre" and to make cutting edge 3D-interactive tools directly available to academic, community, industry, and governmental organizations via the Web.

DEMO #2: Online Interactive Mapping of Superfund Toxicants and Quality of Life Indicators

IOA Copley International Conference Center, Main Auditorium

Geographic Information Systems integrate diverse spatial information to enable cross-discipline and cross-scale geographic analysis and decision-making. We demonstrate our online interactive mapping technology, which allows for easy visual integration of raster and vector data available from multiple Internet information sources, including data servers at UCGS, NOAA, Geography Network, as well as at local San Diego agencies. This technology is a necessary ingredient of a community holistic interactive mapping environment (CHIME) we are developing, where stakeholders can discover, generate, share, integrate, and analyze regional development data across discipline boundaries. In its current state, the technology supports linking watershed-specific Superfund toxicants data from many sources, with San Diego county Quality of Life indicators and cross-border demographic and health information being developed at Telesis Corporation, with water pollution data collected by the BayKeeper non-profit group.

DEMO #3 Regional Planning Chronologies

SDSC Auditorium

This demonstration showcases the use of information technology to provide integrated views of regional planning history. We are developing a framework that juxtaposes (and interrelates) official city plans, federal policies, and alternative planning visions (both unofficial & community-based). This is part of a sustained effort to provide online access to primary regional historical planning sources that will inform citizens, academics and community groups, as well as planners and decision-makers. We will show how the analytical use of digital historical content can help us understand current patterns of urban and regional development.

DEMO #4 Regional Workbench Consortium: Overview of Mission, Projects, & Partners

IOA Copley International Conference Center, Deutz Room

The RWBC is a collaborative network of university and community-based partners dedicated to enabling sustainable city-region development. We are building a trusted Internet-based workbench to facilitate research, outreach and education that require region wide data integration and information sharing. Our partnership-driven approach integrates issues of equity, environmental stewardship, and economic efficiency. This demo provides an overview of the RWBC's mission, projects, partners and precepts. We will include a tour of the RWBC's Web site, including the tools, data base structure, and multimedia communications components.