



Conference Organizers

Keith Pezzoli, Ph.D.

Urban Studies and Planning Program &
Superfund Basic Research Program,
Outreach Core
University of California, San Diego
9500 Gilman Drive M/C 0517
La Jolla, CA 92093-0517
e-mail: kpezzoli@ucsd.edu
Phone: (858) 534-3691

Jason Wiskerchen

San Diego Supercomputer Center
Regional Workbench Consortium
University of California, San Diego
9500 Gilman Drive M/C 0505
La Jolla, CA 92093-0505
e-mail: jwiskerc@sdsc.edu
SDSC Phone: (858) 822-5419
RWBC Phone: (858) 822-5254

Demo Leaders (see the RWBC Web site's projects page for more complete references)

Demo 1 – Part I

*3D Regional Canvas for the Californias: SIO
Visualizaton Center*

Leader: **Alejandro Hinojosa**, CICESE, and
Fellow of the Center for U.S.-Mexican Studies
University of California, San Diego
e-mail: alhinc@cicese.mx

Other participants:

Dru Clark, Eric Augenstein, Shane DeGross,
Debi Kilb, Graham Kent, Dan Henderson

Demo 1 – Part II

*3D Regional Canvas for the Californias:
Web-based Educational Version*

Leader: **Jeff Sale**, SDSU, Education Center on
Computational Science and Engineering
e-mail: jsale@sunstroke.sdsu.edu

Other participants:

John Ryan, SDSU, Department of Geography

Demo 2

*Online Interactive Mapping of Superfund
Toxicants and Quality of Life Indicators*

Leader: **Ilya Zaslavsky** SDSC
Spatial Information Integration Lab
e-mail: zaslavsk@sdsc.edu

Other participants

Scott Shepard, Hiram Sarabia
Daniel Machemer, David Lee

Demo 3

Regional Planning Chronologies

Leader: **Richard Marciano**, SDSC
Sustainable Archives and Library Technologies Lab
e-mail: marciano@sdsc.edu

Other participants

Midi Cox, Larry Cruse, James R. Jacobs,
Ilya Zaslavsky, Keith Pezzoli, Scott Shepard, Eric
Augenstein, Kay Dietze, Harry King, Cristin McVey,
Dan Henderson, Jane Clough-Riquelme, Andrea
Groves.

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|---|---|
| <p>Demo 4 Regional Workbench Consortium, Overview</p> <p><u>Leaders:</u> Keith Pezzoli (contact info above); Jason Wiskerchen (contact info above); Cindy Santini, UCSD e-mail: csantini@ucsd.edu</p> | |
| <p>Sponsors</p> | |
| <p>Superfund Basic Research Program National Institute of Environmental Health Sciences (NIEHS) Special thanks to: Dr. Robert Tukey, UC San Diego SBRP Program Director http://superfund.ucsd.edu/ Dr. William Suk, (Director, Superfund Basic Research Program, National Institute of Environmental Health Sciences). http://www- apps.niehs.nih.gov/sbrp/index.cfm</p> <p>Urban Studies and Planning Program, UC San Diego http://usp.ucsd.edu/ Special thanks to: Professor Steve Erie, Director, USP Program</p> | <p>International Community Foundation http://www.icfdn.org/index.htm Special thanks to: Richard Kiy, President and Chief Executive Office, and the ICF Board Members</p> <p>San Diego Regional Economic Development Corporation Special thanks to: Julie Meier Wright, President & CEO W. Erik Bruvold, Vice President and Director, Infrastructure Issues Michael Stepner, Director, Land Use and Housing http://www.sandiegobusiness.org/</p> |

Professional Affiliations as Reported by 188 Participants Who Registered for the May 29 RWBC EXPO 2003

Summary: A broad spectrum of participants representing academic (88 people), government (34 people), community-based/non-profit (29 people), and industrial/private sector organizations (37 people) registered for the May 29 roll out of the Regional Workbench Consortium. UCSD participation included seven departments, three programs, several Centers and Institutes, as well as library, community outreach, education and media professionals. Participants also registered from San Diego State University, four Mexican-based universities, and a host of other academic institutions. Likewise there was a wide spectrum of participants from government (city council member, deputy mayor, district directors, water authorities, planners), community-based/non-profit organizations (foundations, environmental NGOs, policy studies, technology and economic development corporations), and industry (consultants, trade associations, legal services, urban and architectural design, resource conservation, environmental management).

ACADEMIC

UC San Diego

Superfund Basic Research Program
Urban Studies and Planning Program
San Diego Supercomputer Center
Center for U.S.Mexican Studies
School of Medicine, Pharmacology
Graduate School of International Relations and Pacific Studies (IRPS)
Cal(IT)2
Scripps Institution of Oceanography (SIO)
Civic Collaborative
Institute on Global Conflict and Cooperation (IGCC)
Information Storage Industry Center
Economics, Sociology, Communications, Engineering, Ethnic Studies, Political Science
Natural Reserve System
Sixth College, Preuss School, UCSD Extension, UCSD-TV
Social Sciences and Humanities Library, UCSD Campus Planning,

San Diego State University

Institute for Regional Studies of the Californias
School of Public Administration and Urban Planning, City Planning
Department of Geological Sciences
Education Center on Computational Science and Engineering (NPACI)
Department of Geography

Mexican Academic Institutions

COLEF (El Colegio de la Frontera Norte)
CICESE (Centro de Investigación Científica y de Educación Superior de Ensenada)
UABC (Universidad Autónoma de Baja California)

Instituto de Investigaciones Sociales (I.I.S.), UABC

Other Academic and Research Institutions

National Institute for Environmental Health Sciences (NIEHS)
UC Santa Cruz
UC Irvine
UC Riverside
Department of Urban and Regional Planning, CalPoly Pomona
New Schools Center
University of Southern California
California State University, San Marcos
Children's Hospital and Health Center

GOVERNMENT

Government Representatives—U.S.

San Diego Association of Governments (SANDAG)
County of San Diego, Environmental Health GIS
City of San Diego, Water Department
San Diego Regional Water Quality Control Board
Stakeholders Working Group, SANDAG Regional Comprehensive Plan
City Planning Program
San Diego Regional Water Quality Control Board
City of El Cajon
City of Lemon Grove
San Diego County Water Authority (SDCWA)
City of Oceanside
City of Encinitas, Deputy Mayor
Councilman Scott Peters
Port of San Diego
City of Carlsbad
City of Imperial Beach
Los Angeles County Economic Development Corporation
Mission Resource Conservation District, San Diego

Government Representatives—Mexico

Note: These representatives registered with the assistance of Oscar Romo

Comisión Estatal de Servicios Públicos de Tijuana—CESPT
City Manager, Tijuana
Municipal Delegate, Tecate
Director, Urban Development, Tijuana
Director, Municipal Planning Institute, Tijuana
Director, Department of Ecology, Tijuana
Director of Urban Administration, Tijuana
Economic Development Council, Tecate
Director of Water District, Tecate

Tijuana Water Authority

Community-based and Nonprofit Organization

TELESIS, Corp.
San Diego Baykeeper, and Ja Jan Coalition
San Diego River Park Foundation
International Community Foundation
San Diego Regional Economic Development Corporation
Conservation Biology Institute
Association of Collegiate Schools of Planning (ACSP)
Global Planning Educators Association Network (GPEAN)
Ramona Grasslands
10 de Mayo Project
Agua Hedionda Lagoon Foundation
National Wildlife Foundation
San Diego Audubon Society
Endangered Habitats League
Fundacion La Puerta/Tecate
Environ MENTAL Productions; the EcoForum
Southwest Wetlands Interpretive Association (SWIA)
San Diego Tijuana Border Initiative
San Diego Regional Technology Alliance
Center on Policy Initiatives
Mission Resource Conservation District
The Vernal Pool Society
Tijuana River Estuarine Research Reserve (TRNERR)
SDSU Foundation

Industry

Industrial Environmental Association (IEA)
Earthstar Geographics
Solid Terrain Modeling
ESRI
Hitech Trade & Transfer
Group W. Advisors
EDAW
Translational Research Collaboration, TRC
Brown and Caldwell
HDR, architectural, engineering firm
Timberock USA Company
Zyotech Inc.
Recon
Millicent Cox, LLC
Sparkers, Inc.
Goodrich
WebSideStory, Inc.

BAE SYSTEMS

Lawyer Referral Service, Inc.

3E Company

Earth Resource Mapping

Greystone/Lennar

GECCo, Inc.

San Diego DEFCOMM, Defense & Space Technology Consortium

MACTEC, environmental consulting and engineering company

| | <u>First</u> | <u>Last</u> | <u>Org</u> |
|----|--------------|-------------|--|
| 1 | Ken | Alfrey | Agua Hedionda Lagoon Foundation |
| 2 | Roger | Anderson | Campus Planning, UCSD |
| 3 | Carol | Angus | Ramona Grasslands |
| 4 | Peter | Arzberger | UCSD |
| 5 | Eric | Augenstein | Earthstar Geographics |
| 6 | Ernesto | Aviles Cota | Econ Dev Council, Tecate |
| 7 | Lynne | Baker | Endangered Habitats League |
| 8 | Rebekah | Barlow | UCSD |
| 9 | Eliana | Barreiros | City of SD |
| 10 | Sundari | Baru | Center on Policy Initiatives |
| 11 | Murtaza | Baxamusa | Center on Policy Initiatives |
| 12 | Michael | Bedar | environ MENTAL Productions; the EcoForum |
| 13 | Hans | Beets | Hitech Trade & Transfer |
| 14 | Sandra | Bejarano | USC |
| 15 | Les | Birdsall | New Schools Center |
| 16 | Roger | Bohn | UCSD IR/PS |
| 17 | Mirna | Borja | Director of Ecology Dept Tijuana |
| 18 | Ann | Bowen | SDSC |
| 19 | Geoffrey | Bowker | Communication/UCSD |
| 20 | Karen | Bowling | Recon |
| 21 | Shannon | Bradley | UCSD-TV |
| 22 | Rick | Brady | UCSD |
| 23 | Pablo | Bransburg | 10 de Mayo Project |
| 24 | Valorie | Bruce | Urban Studies and Planning UCSD |
| 25 | Laurence | Brunton | UCSD, Pharmacology |
| 26 | W. Eric | Bruvold | SD Regional Economic Development Corp |
| 27 | Robert | Burruss | |
| 28 | Mirle | Bussell | Urban Studies and Planning UCSD |
| 29 | Fred | Cagle | SWIA |
| 30 | Nico | Calavita | City Planning Program |
| 31 | Marc | Camras | UCSD |
| 32 | Dan | Carney | City of San Diego |
| 33 | William | Carpenter | Greystone/Lennar |
| 34 | Richard | Carson | Department of Economics |
| 35 | Raymond | Clark | UCSD School of Medicine |
| 36 | Dru | Clark | SIO |
| 37 | Chuck | Cleeves | EDAW, Inc. |
| 38 | David | Cleveland | TELESIS Corporation |

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|----|--------------------|---------------------|--|
| 39 | Jane | Clough- Riquelme | Ctr. for U.S.-Mexican Studies |
| 40 | Casey Katherine | Cody Comer | TRNERR Institute for Regional Studies |
| 41 | Stephanie | Connolly | LRS, Inc. |
| 42 | Midi | Cox | MillicentCox, LLC |
| 43 | Larry | Cruse | |
| 44 | Mike | Davis | UC Irvine |
| 45 | Arlene | Dea Deeley | City of San Diego Water Department |
| 46 | Jennifer | Dean | EDAW, Inc. |
| 47 | Shane | DeGross | |
| 48 | Lara | Dersahakian | UCSD |
| 49 | Dave | Dettloff | HDR |
| 50 | Kay | Dietze | |
| 51 | Brenda | Donovan | Telesis Corporation |
| 52 | Luis | Duarte | Municipal Planning Institute, Tijuana |
| 53 | David | Egawa | USC |
| 54 | Steven | Erie | Urban Studies and Planning Program, UCSD |
| 55 | Michelle | Feiock | UCSD Superfund |
| 56 | Jack | Feller | City of Oceanside |
| 57 | Cassie | Ferguson | SDSC |
| 58 | Nicole | Fernandes | Conservation/Education Int'l National Wildlife |
| 59 | Eric | Frost | SDSU, Cal-(IT)2 |
| 60 | Nancy | Gardiner | Brown and Caldwell |
| 61 | Paul | Gebert | SDCWA |
| 62 | Enrique | Gómez-Treviño | CICESE |
| 63 | Eduardo | Gonzales | Director of Urban Admin |
| 64 | Javier | Gonzalez-García | CICESE |
| 65 | Kenneth | Gray | Children's Hospital and Health Center |
| 66 | Carolina | Gregor | SANDAG |
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|-----|------------------|----------------------|---|
| 68 | Andrea | Groves | RWBC |
| 69 | Manuel | Guevara | Director of Urban Development, Tijuana |
| 70 | Julie | Hampel | City of El Cajon |
| 71 | Lynn | Harvey | WebSideStory, Inc. |
| 72 | Dan | Henderson | UCSD Libraries |
| 73 | Humberto | Hernandez | Tijuana Water Authority |
| 74 | Claudia | Hernández | CICESE Research Center |
| 75 | Christine | Hernandez Ang | San Diego Regional Technology Alliance |
| 76 | Larry | Herzog | San Diego State University |
| 77 | Dan | Higgins | Telesis |
| 78 | Clay | Hinkle | Goodrich |
| 79 | Alejandro | Hinojosa | CICESE |
| 80 | Jim | Hogan | MACTEC |
| 81 | Maggie | Houlihan | City of Encinitas Deputy Mayor |
| 82 | Julie | Humphrey | SDSC |
| 83 | Tim | Huntley | EDAW |
| 84 | Rob | Hutsel | San Diego River Park Foundation |
| 85 | Clara | Irazabal | University of Southern California |
| 86 | James | Jacobs | Social Sciences and Humanities Library, UCSD |
| 87 | Jerome | Jaminet | TRC |
| 88 | Harry | Johnson | Dept of Geography, SDSU |
| 89 | Alia | Kanani | City of Imperial Beach |
| 90 | Isabelle | Kay | Natural Reserve System |
| 91 | Adrienne | Keiper | Urban Studies and Planning, UCSD |
| 92 | Graham | Kent | |
| 93 | Debi | Kilb | |
| 94 | Richard | Kiy | International Community Foundation |
| 95 | Harry | King | |
| 96 | Kaare | Kjos | San Diego-Tijuana Border Initiative |
| 97 | Charlie | Knezevich | UCSD |
| 98 | Kim | Knowles-Yanez | Cal State San Marcos |
| 99 | Jennifer | Kraus | GECCo, Inc. |
| 100 | Steve | Kunkel | SANDAG |

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| 101 | Mo | Lahsaiezed | City of Oceanside |
| | Laura | Lanosa | Business Analyst/Former UCSD TES Floater |
| 102 | | | |
| | Veronica | Lavarello | |
| 103 | | | |
| | Van-Anh | Le | BAE SYSTEMS |
| 104 | | | |
| | David | Lee | |
| 105 | | | |
| | Erik | Lee | Center for U.S.-Mexican Studies, UCSD |
| 106 | | | |
| | Raul | Leggs | City Manager, Tijuana |
| 107 | | | |
| | Marcos | Leon | The Preuss School |
| 108 | | | |
| | Judith | Ley | IIS- UABC |
| 109 | | | |
| | Paul | Linden | UCSD |
| 110 | | | |
| | Elaine | Lukey | City of Carlsbad |
| 111 | | | |
| | Daniel | Machemer | |
| 112 | | Mallett | Mission Resource Conservation District |
| 113 | | | |
| | Richard | Marciano | UCSD/SDSC |
| 114 | | | |
| | Arturo | Martin | CICESE |
| 115 | | | |
| | Vincent | Martinez | Recon |
| 116 | | | |
| | Ange | Mason | UCSD/SDSC |
| 117 | | | |
| | Cristin | McVey | UCSD/Sociology |
| 118 | | Meillon | CICESE |
| 119 | | | |
| | Lourdes | Mexicano | CICESE-UABC |
| 120 | | | |
| | Stephen | Miller | Scripps Institution of Oceanography, UCSD |
| 121 | | | |
| | Jack | Minan | CA Rgional Water Quality Control Board |
| 122 | | Moczydlowsky | HDR |
| 123 | | | |
| | Natalia | Molina | UCSD-Ethnic Studies |
| 124 | | | |
| | Sergio | Montoya | Tecate |
| 125 | | | |
| | Rene | Murphy | Port of San Diego, Architectural |
| 126 | | | |
| | Jim | Murray | Timberock USA Company |
| 127 | | | |
| | Juliette | Nowak | Natural Reserve System, UCSD |
| 128 | | | |
| | Merle Okino | O'Neill | Agua Hedionda Lagoon Foundation |
| 129 | | | |
| | Aurelio | Padilla | Mexico |
| 130 | | Park | UCSD |
| 131 | | | |
| | Cass | Peterson | San Diego DEFCOMM |
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| 133 | Al | Pentis | The Vernal Pool Society |
| 134 | Mary Anne | Pentis | The Vernal Pool Society |
| 135 | Jim | Peugh | San Diego Audubon Society |
| 136 | Janice | Pezzoli | UCSD |
| 137 | Keith | Pezzoli | USP/SBRP Outreach Core |
| 138 | Milton | Phegley | UCSD |
| 139 | Patricia | Pineda | Director of Water District, Tecate |
| 140 | Mike | Porter | RWQCB |
| 141 | Matthew | Potts | IGCC/UCSD |
| 142 | Joe | Purohit | Sparkers, Inc. |
| 143 | Milton | Redick | Zyotech Inc. |
| 144 | Rommel | Reyes | RECON |
| 145 | Alfonso | Reyes | CICESE |
| 146 | Marco | Reyna | University of Baja California |
| 147 | Antonio | Ribbel | Earth Resource Mapping |
| 148 | Chris | Robertus | SDRWQCB |
| 149 | John | Robin | UC Berkeley SBRP Outreach Core |
| 150 | Renee Louise | | |
| 151 | Oscar | Romo | CTP coordinator |
| 152 | John | Ryan | SDSU, Dept of Geography |
| 153 | Joanna | Salazar | Independent Consultant |
| 154 | Lori | Saldaña | Center for US-Mexican Studies, UCSD |
| 155 | Jeff | Sale | SDSU |
| 156 | Mario | Salzmann | Fundacion La Puerta/Tecate |
| 157 | Ramon | Samaniego | 3E Company |
| 158 | Roberto | Sanchez | UCSC |
| 159 | Cindy | Santini | RWBC |
| 160 | Hiram | Sarabia | |
| 161 | Michael | Schudson | UCSD |
| 162 | Bertha | Serrato | cicese |
| 163 | Akila | Shenoy | UCSD |
| 164 | Scott | Shepard | TELESIS Corporation |
| 165 | Abe | Shragge | UCSD Civic Collaborative |
| 166 | Stephanie | Sides | Cal-(IT)2 |
| 167 | Larry | Smarr | Cal-(IT)2 |
| 168 | Raul | Soria | Tecate, Municipal Delegate |
| 169 | Jerre | Stallcup | Conservation Biology Institute |
| 170 | Rozeanne | Steckler | SDSC/UCSD |
| 171 | Michael | Stepner | SD Regional Economic Development Corp |
| 172 | Kris | Stewart | NPACI Ed Center on Comp'I Sci&Eng |
| 173 | Paula | Stigler | UCSD |

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|-----|-------------------|---------------------|--|
| 173 | William | Suk | NIEHS/SBRP |
| 174 | Ken | Sulzer | UCSD |
| 175 | Pamela | Summers | Port of San Diego |
| 176 | Richard | Switzer | UCSD Extension |
| | Paul | Tooby | SDSC/UCSD |
| 177 | | | |
| 178 | Ty | Tosdal | Center on Policy Initiatives |
| | Parke | Troutman | UCSD/USP & Sociology |
| 179 | | | |
| | Robert | Tukey | UCSD/SBRP Program Director |
| 180 | | | |
| 181 | Shannon | Turek | Recon |
| 182 | Mark | Turok | Group W Advisors |
| | L. "Dutch" | van | Regional Stakeholders |
| 183 | | Dierendonck | |
| 184 | Ashwani | Vasishth | USC |
| 185 | Raul | Vasquez | Mexico |
| | Teresa | Vazquez | Dept. Urban and Regional Planning, CalPoly Pomona |
| 186 | | | |
| 187 | | | |
| | Rogelio | Vazquez- | CICESE |
| 189 | | Gonzalez | |
| 190 | Luis | Vildosola | University of Baja California |
| 191 | Pamela | Villa | Environmental Health GIS - County of San Diego |
| 192 | James | Weaver | UCSD Physical Planning |
| 193 | Bob | Welty | SDSU Foundation |
| | Michael | White | Conservation Biology Institute |
| 194 | | | |
| | Gabriele | Wienhausen | 6th College |
| 195 | | | |
| | Selena | Wilson | CTP, TRNERR |
| 196 | | | |
| | Ed | Wimmer | City of Lemon Grove |
| 197 | | | |
| | Jason | Wiskerchen | RWBC |
| 198 | | | |
| | Julie | Meier Wright | SD Regional Economic Development Corp |
| 199 | | | |
| | Aníbal | Yáñez-Chávez | Cal State San Marcos |
| 200 | | | |
| | David | Younkman | |
| 201 | | | |
| | Jose | Zarinana | Tecate |
| 202 | | | |
| 203 | Ilya | Zaslavsky | UCSD/SDSC |

RWBC EXPO 2003, May 29 Agenda and Schedule:

| Time | Topic | Location |
|---------------|--|--|
| 8:00-8:30 | Registration, coffee and exhibit viewing | IOA Main Auditorium |
| 8:30-8:45 | Welcome and Overview | IOA Main Auditorium |
| 8:45-8:55 | Demo leaders introduce themselves, briefly sketch their sessions, including locations | IOA Main Auditorium |
| 8:55-9:10 | Key note: "The role of outreach in linking science to policy" Dr. William Suk (Director, Superfund Basic Research Program, National Institute of Environmental Health Sciences) | IOA Main Auditorium |
| 9:10 – 9:30 | Travel to Demo Locations (Rotation 1) | |
| 9:30 – 10:30 | Demo Rotation 1 (all four DEMOS, various locations) (1). 3D Regional Canvas for the Californias - SIO Vis Center (2). Online Interactive Mapping of Superfund Toxicants and Quality of Life Indicators - IOA Main Auditorium (3). Regional Planning Chronologies - SDSC Auditorium (4). Regional Workbench Consortium (RWBC): Overview of Mission, Projects, Partners and Precepts - Duetz Room - IOA Complex (Note: Over the course of the day, each of the DEMOS will be repeated four times. This arrangement enables everyone to experience each demo) | Group assignment and rotation order will be provided at packet pickup table. |
| 10:30–11:00 | Travel to Demo Locations / Break | |
| 11:00 – 12:00 | Demo rotation 2 (all four DEMOS, various locations) | Group assignment and rotation order will be provided at packet pickup table. |
| 12:00–12:15 | Participants travel to lunch location (IOA Plaza) | IOA Main Auditorium |

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| <p>12:15- 1:30</p> | <p>Lunch</p> <p>Enabling Collaboration in Science and Regional Planning</p> <p>Dr. Robert Tukey Principal Investigator of UCSD's Superfund Basic Research Program</p> <p>Professor Steve Erie Director of UCSD's Urban Studies and Planning Program</p> <p>W. Erik Bruvold San Diego Regional Economic Development Corporation, Vice President and Director, Infrastructure Issues. "The Benefits of Joining Collaboration in Science and Regional Development"</p> | <p>IOA Plaza</p> |
| <p>1:30 – 1:45</p> | <p>Travel to Demo Locations / Break</p> | |
| <p>1:45 – 2:45</p> | <p>Demo rotation 3 (all four DEMOS, various locations)</p> | <p>Group assignment and rotation order will be provided at packet pickup table.</p> |
| <p>2:45 – 3:15</p> | <p>Travel to Demo Locations / Break</p> | |
| <p>3:15 – 4:15</p> | <p>Demo rotation 4 (all four DEMOS, various locations)</p> | <p>Group assignment and rotation order will be provided at packet pickup table.</p> |
| <p>4:30 – 5:15</p> | <p>Reception</p> | <p>IOA Main Auditorium</p> |

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.

What Did Participants List as their Principal Area of Interest?

Below is a partial (unedited) list of “interests” participants generated when they registered for the May 29, 2003 roll out of the Regional Workbench Consortium (RWBC).

- Creating Urban and Environmental Studies Bibliographies
- Planning & Environment, Watershed-based Planning
- Planning social and communities projects
- Environmental informatics; biodiversity informatics; communication; social informatics
- GIS, Urban Planning, Demographics, Social Science
- Smart growth, housing
- Environmental stewardship through outreach education, Environmental Literacy
- Conservation/Education
- Environmental management systems, regional ecology, globalization, pedagogy of planning
- Computer Programming
- Multimedia
- Housing and community development, planning history, planning for diverse populations
- Spatial analysis of biodiversity conservation policies
- Watershed planning and integration of emerging technologies
- Ecology, watersheds, and GIS analysis
- 3D visualization of watershed environments, interactive mapping and quality of life indicators
- Watersheds, Urban Form, Transportation Regional Comprehensive Planning
- GIS, environmental contaminants, water quality, US Mexico Border issues
- Watershed Planning
- Regional history; campus community partnerships; civil/military relations; etc.
- Geographic Information Systems, Geographic/Cartographic Visualization, 2.5D and 3D models
- Storm water, watershed management
- GIS, Resources Management
- As a practicing environmental consultant and Vice President of a local environmental professional society, I am interested in promoting cooperation between private industry/consultants and government/academia.
- Watershed Planning/Natural Resource Conservation/Habitat Restoration and Preservation/Urban Habitat Planning/Integrated Environmental Education Programs
- Regional Planning
- I am interested primarily in ESA compliance mechanisms, chiefly the county and city MSCP. Can effective species and habitat preservation be reconciled with a growing population and associated development?
- Interested in the ability to combine planning tools so that they can be presented in an understandable way to the public.
- Tijuana River Watershed Governance for conservation purposes
- Contacts, and groups interested in Restoring the Tecate River

- Multipolitical unanimity; Arts, storytelling, film, media, and new technology in social and environmental change; Spirituality in research, business, and politics; Food and energy reform;
- Asian Americans, Latino/a, migration, labor, urban environment
- Holistic watershed scenarios for sustainability design
- Design/development of the State Chronic and environmental illness database
- University-community partnerships, U.S.-Mexico border environment issues, binational environmental education, among others
- Campus Planning, Web Programming
- GIS, 3D Visualization, Planning
- Qualitative policy research, land use planning
- Watershed protection, hydrology, ecology
- Sustainable development
- Water Resources as related to Drinking water
- I am interested in research involving GIS and 3D visualization and their roles in shaping and mitigating the development process. Hopefully the result of such research would be the expanded use of GIS and 3D visualization as tools for informing the public as well as the decision makers in the natural and anthropogenic processes that affect us all.
- Watershed and source water protection for city water supply reservoirs
- Community-based planning and research
- Race, Ethnicity and Urban Space
- Education/outreach
- Complex systems, joint modeling of ecological and economic system, tropical ecology
- Visualization of data
- Curriculum development, Student projects
- Environment and computing
- Health / border region
- 3D models and risks (natural and chemical)
- U.S.-Mexico Border Infrastructure and Regional Water Quality
- Regionalism; crossborder collaboration on substance abuse prevention
- Water Quality and uses of water
- Sustainable campus and building design and planning in coordination with regional sustainable principles.
- GIS, land use planning, children and environmental issues
- Digital divide, community technology, workforce development
- Economic justice
- GIS, cartography, 3D visualization
- Sustainable Environment with emphasis on water quality and watershed protection management
- Technological applications GIS/3D modeling & visualization in sustainability planning & implementation.
- Educating key decision makers about the link between land use planning and water quality
- Vernal Pools, Wetlands, Watershed Planning

- Public Policy/Regional Development
- Equity; Watershed planning
- Urban Planning / History / Computing
- Remote sensing & geographic information systems
- Regional Workbench mission, goals, and achievements.
- As Campus Community Planner at UCSD I am interested in improving outreach and communications about planning and development in San Diego region.
- Sustainable wastewater disposal and reuse
- Open space conservation and community development
- Watersheds, grasslands.
- Geohydrology, Geophysics
- Conservation Biology
- Environmental policy along US-Mexico border
- Collaborative development IT. Knowledge management.
- GIS for Regional Planning
- Environmental engineering, low energy buildings
- University-community partnerships and interaction
- Writing science for broader audiences
- Geographic Information Systems
- Geographic and social impacts of U.S.-Mexico integration, patterns of U.S.-Mexico border regional development
- Urban ecology, sustainability planning, regional environmental planning
- US-Mexico Bilateral Planning, Regional Planning, Planning Theory and History, Community Development, Diversity and Equity in Planning, Immigrants
- Environmental and social problems of our region.
- Governmental Regionalization via web-based technologies AND the Port's GIS Stormwater Runoff Program AND the Port's Small Business Enterprise Outreach Program
- Improving process efficiencies and work group collaboration through innovative low-cost imaging, data capture and document management services
- Regional Planning Issues and Environmental Issues
- Science policy, public science diplomacy, biomedical research (numerous areas), international science policy, conservation (oceans, wetlands)
- Sustainability,
- GIS Systems integration in a government agency environment.
- Converting historical, archeological and environmental research into 3d visualization products
- Environmental Protection
- High performance computing and its use in the undergraduate curriculum.
- Modeling, visualization and programming for performance in the university environment.
- University, Community Partnerships/Service Learning
- Technology that is a necessary ingredient of a community holistic interactive mapping environment (CHIME) being developing, where stakeholders can discover, generate, share, integrate, and analyze regional development data across discipline boundaries.

- Water quality
- Environmental Health & Safety
- Urban planning, sustainable development
- Planning/development; watersheds, GIS, binational issues
- Water Quality / Watershed based programs
- GIS, geographical analysis, internet mapping, spatial analysis, crime, quality of life analysis, 3D visualization
- Anthropology, Latin America
- Environmental, health and safety management systems
- Children's health
- Regional Innovation and Technology Agglomeration
- Molecular toxicology, general ecology, science and public policy
- Economics
- Watershed research, management and outreach.
- Public/private partnerships and finance for sustainable development
- Homeland Security, Visualization, Wireless communications
- Visualization, remote sensing, cross border communications
- Economic prosperity; community participation in growth; new development projects
- Redlining, affordable housing, sustainable growth in city of San Diego, ethnic populations, historical research
- Economic and social trends particularly welfare of low and moderate income people
- Urban and environmental history; working class history
- Urban politics and its impact upon the built environment
- Links between social and spatial inequalities
- Criticism of transnational architecture and urban design
- Integrating oceanographic research data into regional databases and grids.
- Facilitating planning and decision making by advances in visualization and solid modeling.
- Online Interactive Mapping and Visual Simulations, Graphics.
- Education; conservation and land use planning
- Quality of Life Indicators
- Urban and environmental issues, Global environmental change, transboundary environmental issues at the USMexico border
- Stratigraphytectonics, seismology
- Science and Technology policy; science advised policy, science & governance.
- GEOPHYSICS
- Government relations and technology sector.
- Affordable Housing, International Planning
- Decision support systems
- Integrated Water Resource Management and treatment
- Water quality storm water runoff
- Data integration
- Collaborative network of university and community based partners dedicated to enabling sustainable city-region development, internet, telecommunications, technology

- IT and presentation design methodologies
- Internet mapping; visualization

What Did Participants Hope to Get Out of the RWBC EXPO 2003?

Below is a partial (representative) list of “goals” participants generated when they registered for the May 29, 2003 roll out of the Regional Workbench Consortium (RWBC).

- The Agua Hedionda Lagoon Foundation is designing a coordinated plan of exhibits and programs for a new Discovery Center. This expo will be very beneficial to observe, interact and discuss the creation of solid terrain models in conjunction with computer and data models for our needs.
- Discuss with others how to make cutting edge 3D-interactive tools directly available to academic, community, industry, and governmental organizations via the Web.
- I hope to see a lot of great technology and meet new and interesting people.
- Learn more about the Consortium and the tools available to researchers and educators, find out how to get involved.
- Gain perspective on how to plan, develop, monitor, and improve city-region quality of life so that our communities may accommodate human needs while preserving and restoring wildlife and natural resources.
- Gather information about other group’s efforts to bring some focus to San Diego's watershed planning activities; gain a better understanding of current watershed projects, partners and regulatory/funding mechanisms driving watershed planning in SD County.
- Research tools and opportunities; potential for new partnerships; Learn about developing technologies and see how applies to real problems; Meet individuals involved in promoting such cooperation, and to share/get feedback on some of my ideas.
- Networking / Idea Exchange / Creative Interaction.
- An understanding of how the RWBC can assist the region, in a concrete manner, as it strives to address habitat and species conservation.
- Ideas and partners for research, promotion, and, advocacy of joint binational governance of the Tijuana River Watershed (with watershed protection planning as the main objective)
- Greater consciousness to drive the region's collaborative efforts for sustainability; Understanding of the RWBC's role, choice of partners, and approach.
- New approaches to understanding complexity.
- I hope to find out how the Center for U.S.-Mexican Studies can contribute more to this very worthy initiative.

- A better understanding of the efforts towards region-wide data integration and information sharing in the realms of GIS and 3D Visualization; I would like to gain familiarity with your on-line GIS tools so that I can use them in a geography course about San Diego County.
- A sense of how to develop student projects.
- Ideas about collaborations with the workbench; how Sixth College as a unit and its students can contribute to the workbench and take advantage of it .
- Looking to meet new people in the field and learn more about the consortium's efforts; How we may be able to integrate our work with the workbench.
- Information on how to improve public policy to protect and restore water quality; Introduction to current and potential uses of GIS/3D in sustainability planning efforts.
- Resources to assist in the development of a comprehensive education outreach program targeting local planning groups and municipal and jurisdictional planning staff.
- Learn how the UCSD programs fit into the actual Planning Process for the city and county of San Diego. Also, how to utilize the 3Es to effectively influence this politically driven process.
- Networking with colleagues and sharing technology and ideas; participate in a innovative effort for planning regionally, across border and sustainably.
- Anything to benefit the programs that I am involved in as the Director of Information Technology at the Port of San Diego.
- Deeper understanding of the collaboration already in place with the RWBC through developments by Jeff Sale for the 3D Regional Canvas for the Californias.
- Greater understanding of new technologies designed to facilitate planning solutions; Insight into the use of GIS as a tool for measuring and displaying health and demographic data; Increased understanding of modeling tools.
- Perspectives on enabling international collaboration.
- Better understanding of how to apply/link science to policy and planning.
- An understanding of how local and national agencies are working together with local Universities in San Diego area to share Geographic information.