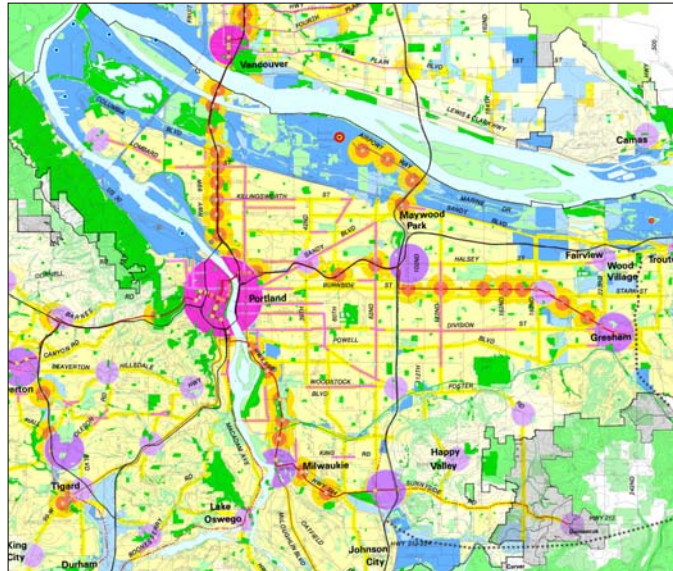


UCGIS/SPACE/SFSU

Summer Workshop 2005 – Intro



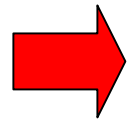
Richard LeGates

UCGIS Summer Assembly
Vancouver, Wa. 2006

Topics

- Who we are
- What we will do today
- Disseminating GIS in the social sciences

Topics



Who we are

- What we will do today
- Disseminating GIS in the social sciences

Who we are

- SFSU UCGIS/SPACE 2005 summer workshop staff
 - Richard LeGates
 - Professor of Urban Studies, SFSU
 - PI, NSF Space, Culture, and Urban Policy grant
 - PI, UCGIS/SPACE SFSU Summer workshop, 2005
 - XiaoHang Liu
 - Assistant Professor of Geography, SFSU
 - Co-PI, CSISS SPACE SFSU Summer workshop, 2005
- Workshop participants
 - Jeana Abromeit, Professor of sociology, Alverno College
 - Benjamin Forest, Associate professor of geography, McGill University
 - Chris Holoman, Professor of political science, Hilbert College



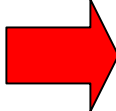
Barry Nickel, Associate
Director SFSU
Interdisciplinary GIScience lab



Ayse Pamuk, Associate Professor
of Urban Studies

Student assistants and GIScience lab staff

Topics

- Who we are
-  What we will do today
- Disseminating GIS in the social sciences

What we will do today

- Overview of the workshop
- Video
- Report from panelists
- Discussion w/ participants in other SPACE workshops
- General discussion w/ audience

Topics

- Who we are
- What we will do today
- ➔ Disseminating GIS in the social sciences

Disseminating GIS in the social sciences

- Three major U.S. GIS dissemination initiatives:
 - UCGIS GI S&T *Body of Knowledge, 2006*
 - CSISS Summer Workshops and resources
 - NITLE Latitude Initiative
- Other NSF GIS social science dissemination initiatives
- GIS social sciences dissemination in England and Australia

CSISS/SPACE (U.C. Santa Barbara)



The CSISS Mission recognizes the growing significance of space, spatiality, location, and place in social science research. It seeks to develop unrestricted access to tools and perspectives that will advance the spatial analytic capabilities of researchers throughout the social sciences. CSISS was funded in 1999 with support from the [National Science Foundation](#) under its program to promote research of infrastructure in the social and behavioral sciences.

CSISS News

[CSISS Director, Michael Goodchild, Receives Aangeenbrug Award](#)

Core Programs	Learning Resources	Spatial Resources	Spatial Tools
2006 Workshop Programs:  	These introductory materials include CSISS Classics and select video clips from the CSISS summer workshops.	Multi-Agent Modeling for Land-Use Change Literature Search ESRI Bibliography E-Journals Best Practices Links to Other Sites	Here's where you'll find information about software for the exploration and analysis of spatial data.
Search Engines	CSISS Events		About CSISS
Try out one of our custom search engines to find spatial analysis resources on the Internet.	Here's where you'll find information and registration for workshops, conferences and specialist meetings.	Publications related to spatial methods and their use in the social sciences.	CSISS presentations, news, personnel, and sitemap. Our Strategic Plan and Annual Reports are also found here.

[Core Programs](#) | [Learning Resources](#) | [Spatial Resources](#) | [Spatial Tools](#) | [Search Engines](#) | [CSISS Events](#) | [Community Center](#) | [About CSISS](#)
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2006

GIS and Spatial Modeling for the Undergraduate Social Science Curriculum

Columbus, OH
June 18-23, 2006

Spatial Analysis in the Social Science Curriculum: Enhancing Undergraduate Learning

Santa Barbara, CA
July 31-August 5, 2006

Remote Sensing and GIS Technologies for Undergraduate Curricula in the Social Sciences

Norman, OK
July 23-28, 2006

SPACE Workshops Flyer

Past Workshops

2005

GIS and Spatial Modeling for the Undergraduate Social Science Curriculum

Columbus, OH
July 10-15, 2005

Spatial Analysis for the Undergraduate Social Science Curriculum

Santa Barbara, CA
July 18-23, 2005

Introducing GIS for Undergraduate Social Science Courses

San Francisco, CA
August 1-6, 2005

NITLE – Latitude Project



Churchill Prize for Student Scholarship in GIS

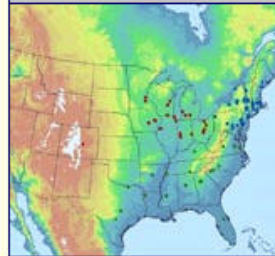


Upcoming Workshops

Teaching & Learning with GIS - Middlebury College, June 19-23

People, Places, and Culture: Mapping the MENA Region - Williams College, August 14-17

Our Initiative



Workshops



Resources



Featured Project: Mapping the Trees at Trinity University



Trinity University Lab Technician Rebecca Hazen and Reference Librarian Jeremy Donald, with oversight from biologist David Ribble collaborated on a GIS module on tree species surveying to be incorporated into six sections of an existing Biology course in Spring of 2006. During two lab sessions, students will be introduced to GIS by using GPS units to gather data in the field and then processing and performing spatial analysis with the data in ArcView. This module is intended as the first step in creating a campus tree census that will be updated in future courses. [[more projects](#)]

Other NSF GIS Curriculum Development Projects

AEGIS Project Samford University

Samford University
Department of Geography

The AEGIS Project

Academic Excellence and Geographic Information Systems (AEGIS) is a multidisciplinary effort to introduce students in a variety of lower division Arts & Sciences courses to methods of GIS data gathering, analysis, and representation. This three-year project (2003-2006) is supported by a grant from the National Science Foundation's *Course, Curriculum, and Laboratory Improvement* program offered through the NSF Division of Undergraduate Education.

Project Description

In this project, modules using Geographic Information Systems (GIS) are being integrated into introductory courses across the Arts and Sciences curriculum. The AEGIS project is teaching 14 participating faculty how to use GIS and assisting them in the development of discipline-specific GIS modules for introductory level courses. The goals of the project are to increase awareness of GIS, generate growing undergraduate interest in GIS, and provide ongoing support for multidisciplinary GIS activities at Samford University. The outcomes are increased numbers of majors in Biology and Geography developing GIS skills and a growth in the number of students pursuing the GIS Certificate program. This project is adapting elements from similar programs at the University of Wisconsin - Milwaukee, the University of Georgia, and the Florida State University.

The intellectual merit of this project is the improved preparation of undergraduates in multiple disciplines in geo-spatial methods, which are being applied increasingly across a growing spectrum of professional and academic fields.

Social Explorer New York University

Social Explorer

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Our Sponsors

The New York Times
We are extremely grateful to Terry Schwadron and Richard Meislin of the New York Times for their support since 1993. We also acknowledge the assistance of the many New York Times reporters who continually work with us on the Census Collaboration project.

For samples of some of our work with the Times go to: "[How the City Diversified?](#)"

National Science Foundation
This project is made possible with funding from the National Science Foundation, Division of Undergraduate Education. Myles Boylan's help is gratefully acknowledged. The series of related projects, include the following:

- "[Mapping and Exploring New York City Change, 1900-2000: A Set of Interactive Web Based Tools](#)"
- "[Collaborative Research - Visualizing and Exploring United States Urban and Rural/Social Change, 1790 - 2000 - Interactive Multimedia and Web Based Tools](#)"
- "[Collaborative Research: A Digital Library Collection for Visually Exploring United States Demographic and Social Change](#)"

Ford Foundation and CUNY Institute of Software Design and Development
Other funding and support include the Ford Foundation through a CUNY merit-based grant, the CUNY Institute of Software Design and Development, and CUNY/Computing and Information Services, as well as the Queens College Sociology Department.

Saguaro Project University of Arizona

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MODULES

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SAGUARO to develop natural hazards case studies!

High school modules in revision and headed to publisher Fall 2004.

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- Topographic Profile
- movies

Module Reviews

- Purchasing

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Space, culture, and urban policy project San Francisco State University

SPACE, CULTURE, AND URBAN POLICY PROJECT
Spatial analysis and data visualization for social science and public policy

Richard LeGates and Ayse Pamuk
NSF DUE Project 0228878

Home | Project Info | Modules | Publications | Workshops | Resources | Map Gallery

Welcome

This is the official San Francisco State University (SFSU) "Space, Culture, and Urban Policy" project website. The website describes materials developed under the direction of SFSU Urban Studies Professors Richard LeGates and Ayse Pamuk with a National Science Foundation (NSF) Course, Curriculum, and Laboratory Improvement/Educational Materials Development (CCL-EMD) grant. The purpose of the grant was to produce instructional modules to teach undergraduate students spatial analysis and data visualization using Geographical Information Systems (GIS) software. NSF funded the "Space, Culture, and Urban Policy" project for three years (May 2003 - May 2006). To learn more about the project, visit [Project Info](#). Click below for more information on the instructional modules.

Research Methods Module

The research methods module consists of a book—*Think Globally, Act Regionally*—published by ESRI Press in November 2005 and supplemental materials on this website. The research methods module is designed for upper division undergraduate students and beginning graduate students in social science and public policy research methods courses.

Contact Us

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San Francisco, CA 94132
phone: 415-226-1178
ucsf.sfsu.edu

GIS Dissemination projects in England and Australia

ARC Research Network in
Spatially Integrated Social Science

networks spaces

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Event Registrations
Network Participants
Network Activities
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Summer School
Research Centres
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Network News
Legends of Quantitative Geography 5th July 2006 REGISTER NOW click on Event Registrations
Methodology, Tools & Technical Workshops - 20th - 29th June, 2006 Register Now
Social Determinants of Health 19-21 June, 2006 & Intro to Multi Level Modelling 23-23 June, 2006
SISSE GIS & Population Science Workshop University of California, Santa Barbara July 9th -22nd, 2006
Internet GIS Applications
Intensive Course on Theories and Methods for Understanding Human Social Networks June 26th-30th
International Microsimulation Association
Positions Vacant
National Conference

The Mission of SISS
The mission of ARC/SISSE is to enhance Australia's capacity and capability to conduct innovative, cross-disciplinary policy-relevant, research in spatially integrated social science and to provide the evidence base for understanding the issues and challenges facing people and places in coping with changes in contemporary society.
ARC/SISSE will facilitate Australia's social scientists to develop and apply spatially integrating research paradigms and approaches in pursuing these objectives:
1. Enhance existing, and facilitate the emergence of new capacity and capability among social scientists to undertake world class research and development in SISE through cross-disciplinary collaboration.
2. Promote and facilitate increased and more effective cross-disciplinary collaboration between researchers in Australia and internationally.
3. Engage and nurture young and inexperienced researchers to build research capacity and capability and to ensure future research leadership.

SISSE Website
Network Participants

Strategic Plan
Operational Plan
Annual Report

CSISSE Website
Network Participants

Host Institution
The University of Queensland
Contributing Institution
RMIT University
SISSE Online
Shared Research Centres
SISSE Online



Spatial Literacy in Teaching (SPLINT)

University of Leicester (lead institution), University College London and the University of Nottingham

The Geographical Information Systems (GIS) experts at the University of Leicester are celebrating recent success. They have just been awarded the status of a **Centre for Excellence in Teaching and Learning (CETL)** by the **Higher Education Funding Council for England (HEFCE)**. The funds received by CETLs are earmarked to recognise and reward excellent teachers and enable institutions to invest in staff, buildings and equipment to support and enhance successful learning in new and challenging ways. For GIS at Leicester, this is a national acknowledgement of their expertise in learning and teaching of spatial literacy and geospatial technologies built up over the past 15 years. This CETL, named **SPLINT (SPatial Literacy IN Teaching)**, is a consortium bid by three universities, led by the University of Leicester. The University of Nottingham and University College, London, are the other partners in the bid. The total award is expected to be in the order of £3.9 million.

Over the past ten years spatial literacy and geospatial technologies such as Geographical Information Systems, Satellite Remote Sensing and Global Navigation Satellite Systems (GNSS) have become increasingly important in society and education. The SPLINT centre, based at the University of Leicester, will be a national resource, with two main goals:

- To enhance approaches to the learning and teaching of spatial literacy, developing innovative curricula drawing on new technologies such as virtual reality
- To extend these techniques to other disciplines, so that spatial literacy and geospatial technologies become familiar across the entire UK Higher Education sector.

E New state-of-the-art computer and virtual reality laboratories across the consortium will support these goals.

GIS dissemination project websites

The big three:

UCGIS: <http://www.ucgis.org/>

CSISS/SPACE: <http://www.csiss.org/>

NITLE: <http://gis.nitle.org/>

Other NSF Projects:

AEGIS: <http://www.samford.edu/schools/artsci/geography/aegis/>

Saguaro: <http://www.scieds.com/saguaro/index.html>

Social Explorer: <http://www.socialexplorer.com/pub/home/home.aspx>

Space, Culture, and Urban Policy: <http://bss.sfsu.edu/nsfgis/index.htm>

Efforts in England and Australia:

SPLINT: <http://www.geog.le.ac.uk/splint>

ARC RN SISS: <http://www.siss.edu.au/>

Thank you!

