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, CSIIS 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*
  • CSISSL 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)
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Location</th>
<th>Dates</th>
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<tr>
<td>2006</td>
<td>GIS and Spatial Modeling for the Undergraduate Social Science Curriculum</td>
<td>Columbus, OH</td>
<td>June 18-23, 2006</td>
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<td>Spatial Analysis in the Social Science Curriculum: Enhancing Undergraduate Learning</td>
<td>Santa Barbara, CA</td>
<td>July 31-August 5, 2006</td>
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<td>SPACE Workshops Flyer</td>
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**Past Workshops**

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<td>2005</td>
<td>GIS and Spatial Modeling for the Undergraduate Social Science Curriculum</td>
<td>Columbus, OH</td>
<td>July 10-15, 2005</td>
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<td>Spatial Analysis for the Undergraduate Social Science Curriculum</td>
<td>Santa Barbara, CA</td>
<td>July 18-23, 2005</td>
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<td></td>
<td><strong>Introducing GIS for Undergraduate Social Science Courses</strong></td>
<td>San Francisco, CA</td>
<td>August 1-6, 2005</td>
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NITLE – Latitude Project

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

- **Department of Geography**
  - **The AEGIS Project**
  - Academic Excellence and Geospatial Information Systems (AEGIS) is a multidisciplinary effort to introduce students to a variety of new spatial data, science, and analytical skills. The project, funded by the National Science Foundation, is developing curriculum and laboratory environments that are being tested at Samford University, San Francisco State University, and the University of Arizona.

**Saguaro Project**
University of Arizona

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

**Social Explorer**
New York University

- **Our Sponsors**
  - **National Science Foundation**
  - **Exploring Our City Unbound**
  - **Universities of Colorado Boulder and San Francisco State University**

- **Overview**
  - **Sponsoring Services**
  - **Collaborators**

- **For More Information**
  - **Contact Information**
GIS Dissemination projects in England and Australia

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.

A 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
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!