

Using Geographic Information Systems to Support Social Sciences Research

DATE : 29 January 2016, Friday

TIME : 2:00pm – 5:00pm

VENUE : Central Library, Theatrette 1 (CLB-04-04)

You are cordially invited to a Geographic Information Science Strategic Initiative workshop, entitled “Using Geographic Information Systems to support social sciences research”. **This workshop is jointly organized by the Department of Geography and NUS Libraries.**

This workshop aims to share the achievements of the Geographic Information Science Strategic Initiative, and the applications of Geographic Information Systems in NUS Libraries’ Digital Humanities initiative.

A Geographic Information System (GIS) is a system for spatial data processing and analysis to support knowledge discovery across a wide range of subject areas, such as urban planning, economics, demography, history, earth sciences, and human-environment interactions. Despite the application of GIS in various fields, uptake among social scientists at NUS has been relatively limited to date. An important reason for this has been a lack of access to a convenient geospatial cyber-infrastructure, which integrates spatial data, modeling, analysis tools, visualization, and researchers through the Internet.

Hosting of this workshop follows implementation on campus of a user-friendly cyber-infrastructure targeted primarily at social scientists. Discussions at the workshop will focus on (but will not be restricted to) the following five topics:

- (1) Singapore historical maps (1828 - 2010) collected, digitised, and geo-rectified for sharing through the Internet
- (2) Digital datasets (e.g., historical census data and postal codes) for spatial data processing and analysis
- (3) Web applications including:
 - Spatiotemporal changes of urban landscapes and road networks
 - Exploration of Chinese Clan Association
 - Collection of mixed media artwork of places of worship
 - Story map
- (4) Mobile GIS to collect digital geospatial data (both qualitative and quantitative data) through interviews and surveys

(5) Geospatial Data Guide (Asia) to provide interactive web directory of online geographic data sources in Asia

Admission is free. Kindly register early as seats are available on a first-come, first-served basis. Please click [HERE](#) to register for the workshop.

Facilitator

Dr. Ick-Hoi KIM, Research Fellow, the Department of Geography

Presenters

Dr. Ick-Hoi KIM, Research Fellow, the Department of Geography
Mr. Raymond HUANG, GIS Manager, the Department of Geography
Mr. Yikang, FENG, Assistant Librarian, Central Library