Long Island Geographic Information Systems User Group

Fall 2015
Users Group Conference
Wednesday, November 18th
Stony Brook University
Wang Center

AGENDA

8:30 – 9:45

Registration and Networking

Please Sign In - Become an official member of LIGIS be creating an account on www.LIGIS.org

9:45 - 10:00

Introduction and Opening Remarks

Ross Baldwin, LIGIS Chairman

10:00 – 10:15

Welcome to Stony Brook University

Dr. Minghua Zhang, Dean of School of Marine and Atmospheric Sciences, Stony Brook University

10:15 – 10:45

Geoportal for Mapping Long Island

Sung-Gheel (Gil) Jang, Director, Geospatial Center, Stony Brook University

The Geospatial Center hosts the Geoportal for Mapping Long Island, which enables users to share, discover, curate diverse environmental, demographic, and historical information in Long Island. The Geoportal for Mapping Long Island aims at providing an interdisciplinary data sharing and curating platform to the campus community and the surrounding local/regional communities alike. This presentation introduces the design principles, open standards, implementation issues, and applications.

10:45 – 11:15

Bringing GIS into the High School Classroom

Maria Brown - Stony Brook University and Sayville High School

Stony Brook University and Sayville High School have implemented a Pilot Program where students enroll for university credit in the GIS Design & Application course and receive 4 credits through the Accelerated College Education Program (ACE) upon completion. The course is taught at the high school by a trained secondary educator. Students complete a service based GIS project for an organization. A new ACE GIS Teacher Training Program is currently being developed.

11:15 – 11:45

Mapping Deer Strikes to aid in Deer Management in East Hampton Town

Bob Masin, Andy Gates, & Barnaby Friedman - Town of East Hampton

Deer management has become increasingly more important in recent years on the east end of Long Island, as deer populations have increased and habitat has been reduced. In an effort to aid in this management East Hampton is leveraging GIS to map years of paper records cataloguing deer strikes on local roads. By converting paper records into a spatial environment we are able to produce more useful tools, data and information that are being used to create a more effective management program.

11:45 - 12:30 (if necessary)

Showcase of GIS activities in Local Government here on Long Island

Town of Smithtown --> Rob Hubbs - discussion on where Smithtown is with GIS, and future plans
Town of Southampton --> GIS Dept. - Land Manager GIS/ Historic Resources Application

12:30 – 1:45 Lunch Break

1:45 – 2:00

An interactive mapping application for the SSER in support of the new Coordinated Water Resources Monitoring Strategy

Shawn Fisher, U.S. Geological Survey, New York Water Science Center

The U.S. Geological Survey, in cooperation with the NYS Dept of State, is creating an interactive mapping application for the South Shore Estuary Reserve (SSER) of Long Island. The application supplements the new Coordinated Water Resources Monitoring Strategy, to which stakeholders from across Nassau and Suffolk Counties are contributing. Information regarding the wide range of water-quality, water-quantity, and ecological monitoring programs being conducted in the SSER will be presented to users as spatial datasets obtained from online or private databases within the SSER study region. Additional coverages, such as locations of storm drains that discharge to the bays and tributaries of the SSER, designated restoration areas under Hurricane Sandy funds along the south shore of Long Island, and land-use maps will also be available. The mapping application is just one component of the project website (www.sserwaterquality.us) whose primary purpose is to provide interested parties and policymakers the information needed to identify areas where studies and monitoring are taking place, and to identify areas where more data are needed to make informed decisions about the ecological health of the SSER.

2:00 – 2:45

Why a Mapping Platform is Critical to Effective Decision Making in Local Government

Matt Martini - ESRI Account Executive

Governments capture vast quantities of data, but often struggle with how to distribute information to their employees and citizens when and where they need it. Whether the subject is planning, economic development, public safety, or health care, every local government agency can benefit from location-based data and analysis.

ArcGIS is the location platform. It lets you do more with your data to deliver better outcomes. Governments can show taxpayers where and how money is spent. Firefighters can access digital floor plans while responding to calls. Economic developers can plan sustainable communities and promote business diversity. Public health officials can determine demand for vaccines, and make sense of sudden outbreaks. This is possible because every information system, desktop solution, and mobile app can take advantage of location.

ArcGIS fits them all—BI, CRM, SAP, ERP, or any information system you already use. Governments that aren't paying attention to location data in their business systems are missing out. ArcGIS makes it easy to share the maps you create.

2:45 – 3:15

Stony Brook University Student Lightening Talks

3:15 – 3:30

3D Printing of GIS Data

David Ecker - Director, Research Technologies and Innovation, Stony Brook University

This presentation will look at a new side of GIS that many of us probably haven't considered, 3D map printing. Stony Brook University is experimenting with 3D printing of GIS Data and how it could assist in planning and decision-making. The objective is to demonstrate the various 3d models and to show how this technology can collaborate with GIS. This is an innovative way to comprehend spatial data.

*A 3D printer will be printing a model in the lobby during the day.

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Please visit: www.LIGIS.org
(Create a username and password to access the "Forum")