CUGEO 2014

Cornell Geospatial Forum
Tuesday, October 14, 2014
Martha Van Rensselaer Hall G71

Spatial analyses and place-based studies are more important than ever in the world today, and the digital technologies that support such work are becoming much more commonplace and in high demand. At Cornell we are at a turning point, as we face increasing demands and opportunities for support of geospatial research, teaching, and extension, while at the same time lacking a clear vision for how such demands will be met, especially as several key players from within our geospatial community transition out through retirement.

Help pave the way forward by joining us at our inaugural Cornell Geospatial Forum. At this one-day event, we will highlight some of the many innovative and cross-disciplinary applications of GIS at Cornell, share ideas and research, learn about existing and emerging campus-wide resources, and lay the groundwork for the future of GIS at Cornell. We hope you will join us for this important conversation, at the first of what we hope will become an annual event.

For more detailed background on this effort, please see our pre-event briefing paper, Sustaining Geospatial Science and Technology at Cornell University, which will be updated based on discussions and feedback from CUGEO.

Schedule

8:30am	Registration - Coffee
9:00am	**Opening Remarks** • *Max Pfeffer (video)*
9:10am	**Opening Keynote: Geospatial Science and Technology at Cornell: Historical and Contemporary Perspectives** • *Steve DeGloria (video)*
9:40am	**Cornell NutriPhone Demo and Keynote: Smartphone-based Technologies for Mobile and Global Health** • *David Erickson (video)*
10:20am	Coffee break
10:40am	**Panel 1: Applications of ArcGIS Online at Cornell** • *Frank Popowitch (video)* • *Steve Smith (video)* • *Joe Francis (video)*
11:30am	**Panel 2: Potential Models for a Geospatial Consulting Unit** • *Francoise Vermeylen, Cornell Statistical Consulting Unit (video)* • *Wendy Kozlowski, Research Data Management Services Group (video)*

12:00pm	Lunch
12:30pm	**Models for GIS in Higher Education** • *Diana Sinton (video)*
1:10pm	Break
1:20pm	**Lightning Talks** (5-minutes or less) • Religious Minorities and Resistance to Genocide: the collective rescue of Jews in the Netherlands / *Robert Braun (video)* • The IRIS Repository: saving Geospatial history for the future / *Diane Ayers* • Geospatial Data and Application to Plant Breeding / *Duke Pauli (video)* • Thousands of closely packed, geo-located plants / *James W. Clohessy (video)* • GIS and Programming in Site Selection of Urban Parks / *Xiaoling Li (video)* • From FOIL to Torque: Mapping Property Sales in Central Brooklyn / *Emily Goldman (video)* • Community Vitality and "Nearby" Institutions / *John W. Sipple (video)* • Measuring Efficiency in Village Public Good Provision in Rural Senegal / *Martha Wilfahrt (video)* • Finding Patterns in the Shifting Landscape of Indian Agriculture / *Hilary Byerly (video)* • Building Spatial Data Collection and Research Capacity for Sustainable Development / *Stephan Schmidt (video)* • Geo Outside the ArcGIS Box / *Zev Ross* • GIS Resources at Cornell / *Keith Jenkins (video)* • A predictive model for the archaeological excavation of shipwrecks / *Bonnie Etter (video)* • Integrating GIS and Produce to Develop Science-Based Recommendations for Disease Prevention / *Daniel Weller (video)* • Ocean Satellite Remote Sensing at Cornell / *Bruce Monger (video)* • Mapping Land Uses to Address Megacity Woes in Rio de Janeiro / *Patrick Braga (video)* • Assessing culvert capacity in Hudson River subwatersheds / *Rebecca Marjerison (video)* • Remote monitoring of field crops using unmanned aerial vehicles / *Mike Stanyard*
2:40pm	Coffee Break
3:00pm	**Break-out Working Group Discussions**
4:30pm	**Discussion summary and closing remarks**
5:00pm	Reception - Wine and Cheese

Who should attend?

Anyone who...

- uses GIS software such as ArcGIS, Manifold, or QGIS
- does spatial analysis using other statistical or programming tools (R, SPSS, Python, etc.)
- thinks about spatial aspects of their research
- makes maps or needs someone else to make maps
- is interested in learning more about GIS at Cornell

Who is organizing this effort?

- **Steve DeGloria** (Professor, Crop and Soil Sciences; Director, Institute for Resource Information Sciences)
- **Julia Finkelstein** (Assistant Professor of Epidemiology and Nutrition; Fellow, Center for Geographic Analysis at Harvard University)
- **Joe Francis** (Associate Professor, Development Sociology; Director, Program in Applied Demography)
- **Keith Jenkins** (GIS/Geospatial Applications Librarian, Mann Library)
- **Boris Michev** (Map and Geospatial Information Librarian, Olin Library)
- **Diana Sinton** (Associate Adjunct Professor, Crop and Soil Sciences)
- **Sarah Young** (Health Science and Policy Librarian, Mann Library)

Who is funding this event?

The Cornell Geospatial Forum is supported by a grant from the Atkinson Center for a Sustainable Future.