

# CUGEO 2015

## Cornell Geospatial Forum Tuesday, October 13, 2015 Martha Van Rensselaer Hall G71

Please join us for the second annual Cornell Geospatial Forum, a one-day gathering of faculty, staff, students, and community members to discuss geospatial science and technology research and extension at Cornell and the surrounding Ithaca community.

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 widespread, and skills to use them are in high demand. Cornell and the larger Ithaca community are in the unique position to take advantage of this due to the large amount of geospatial work being done in the area.

At this one-day event, we will highlight some of the many innovative and cross-disciplinary applications at Cornell, share ideas and research, and learn about existing and emerging campus-wide resources. We hope you will join us for this important conversation.

### Agenda

Time	Event
9:00	Check-in
9:15	<b>Opening remarks and introductions</b>
9:30	<b>Geospatial Science and Technology at Cornell: An Update</b> <ul style="list-style-type: none"><li>• <i>Stephen DeGloria (School of Integrative Plant Science, Soil and Crop Sciences Section)</i></li><li>• <i>Steve Kelling and Christopher Wood (Cornell Lab of Ornithology)</i></li></ul>
10:30	Break
10:45	<b>Lightning Talks I</b> <ul style="list-style-type: none"><li>• <i>Improving Agricultural Innovation in West Africa with GIS and Mobile Data Collection / Devon Jenkins</i></li><li>• <i>Variation Across the Agri-Landscape: Spatial Analyses for Precision Agriculture / Margaret Krause</i></li><li>• <i>Descriptive Biogeography of Colombia's Frogs and Toads / Manuel Berrio</i></li><li>• <i>Validation of a Previously Developed Geospatial Model that Predicts <i>L. monocytogenes</i> Prevalence for New York State Produce Fields / Daniel Weller</i></li><li>• <i>Geospatial Science for Carbon and Climate Finance Programs / Stephen DeGloria</i></li><li>• <i>AgDB: Managing Data for Agricultural Analytics / Joshua Woodard</i></li></ul>
11:30	Lunch
1:00	<b>Lightning Talks II</b> <ul style="list-style-type: none"><li>• <i>QGIS and CartoDB / Keith Jenkins</i></li><li>• <i>New York Climate Change Science Clearinghouse (NYCCSC) Website: Searching and Sorting Content by Georeference / Darcy Branchini and Huda Khan</i></li><li>• <i>Ursa Space Systems Overview / Derek Edinger</i></li><li>• <i>Creating Digital Elevation Models (DEMs) from UAS imagery / James W. Clohessy</i></li></ul>
1:45	Break
2:00	<b>Community Outreach and Applications: Challenges and Opportunities</b> <p>Panel moderated by Jeff Piestrak (Mann Library)</p> <ul style="list-style-type: none"><li>• <i>Robert Kibbee (The History Center in Tompkins County)</i></li><li>• <i>Jane Read (Syracuse University)</i></li><li>• <i>Rachel May (Syracuse University)</i></li></ul>
3:00	Break



3:15	<b>Lightning Talks III</b> <ul style="list-style-type: none"> <li>• Geography, Poverty &amp; Performance: Interactive mapping / <i>John W. Sipple and Eric Schultz</i></li> <li>• Census Data and Historic Preservation: the power of the shapefile / <i>Emily A. Goldman</i></li> <li>• Collaborative Approaches to Digital Preservation and Access to Historical Maps in the Library Collection / <i>Boris Michev</i></li> <li>• Aerial Photography in the Rescue of Eroding Cultural Heritage / <i>Georgia Marina Andreou</i></li> </ul>
4:00	<b>Mappy Hour</b> (with prizes awarded at 4:30)



Photos from last year's event.

Videos are available on the [CUGEO 2014 website](#).

## Who should attend?

Anyone who...

- uses GIS software such as ArcGIS, QGIS, Manifold
- analyzes spatial data using 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 activity at Cornell and in the Ithaca area

## Who is organizing this effort?

Co-chairs:

- **Julia Finkelstein** (The Follett Sesquicentennial Faculty Fellow; Assistant Professor of Epidemiology and Nutrition, Division of Nutritional Sciences, Cornell University)
- **Keith Jenkins** (GIS/Geospatial Applications Librarian, Mann Library)

The rest of the planning team:

- **Steve DeGloria** (Professor, Crop and Soil Sciences; Director, Institute for Resource Information Sciences)
- **Jenny Leijonhufvud** (Instruction and Outreach Specialist, Mann Library)
- **Boris Michev** (Map and Geospatial Information Librarian, Olin Library)
- **Jeff Piestrak** (Digital Collections Specialist, Mann Library)
- **Frank Popowitch** (Office of the University Architect and Campus Planning)
- **Diana Sinton** (Associate Adjunct Professor, Crop and Soil Sciences)
- **Daniel Weller** (PhD student, Food Science)

## Who is funding this event?

The Cornell Geospatial Forum is supported by a grant from the Atkinson Center for a Sustainable Future; and the Division of Nutritional Sciences, Cornell University.