

**MAPPING AND MONITORING LAND RESOURCE CHANGE:
BRIDGING THE GEOSPATIAL DIVIDE FOR DECISION MAKING**

**UNIVERSITY OF KENTUCKY
TRACY FARMER CENTER FOR THE ENVIRONMENT**

May 20-21, 2008

University of Kentucky, Lexington, KY

PURPOSE

This event, a first of its kind in the region, represents a state-of-the-practice in mapping and monitoring landscape change for professionals and the public. The conference is a facilitated workshop on eliciting and providing elements useful in strengthening Kentucky's geospatial vision with specific focus on remote sensing in the context of GIS and other geospatial technologies and sciences. The first day broadens the understanding of how the landscape is changing from a national as well as a regional perspective and the role of geospatial technologies. The second day showcases how these technologies are already improving landscape decision making. In addition, a critical aspect to this conference is the ability for attendees to provide input to the Kentucky geospatial vision through facilitated listening sessions.

PROGRAM

Tuesday May 20, 2008

Plant Sciences, Cameron Williams Lecture Hall, Room 101

- 8:00** Registration and Continental Breakfast in lobby
- 9:00** Welcome
Carol Hanley, Director of Education and Communications, TFCE
Brian Lee, Dept. Landscape Architecture, University of Kentucky
- 9:15** Dr. *Nancy Cox*, Associate Dean of Research
Welcome to the University of Kentucky, College of Agriculture
Steve Bullard, University of Kentucky, College of Agriculture
GIS in Forestry
- 9:30** Changes in Kentucky Demographics
Ron Crouch, State Data Center, University of Louisville -
Confirmed
- 10:00** Cultural Landscape Change
Rich Schein, Ph. D., UK Geography, Confirmed
- 10:30** Break
- 10:45** Remote Sensing to Map and Monitor Landscape Change
Ross Lunetta, Ph.D., US EPA Confirmed
- 12:00** Lunch: E. S. Good Barn
Speaker: Chris Barnes, USGS, Land Cover Institute Confirmed
"Future of Land Mapping in the US"
- 1:45** Concurrent Sessions: Barnhart Building
Session I: Land Use, Urbanization and Water Resources
Claire Jantz, Ph.D. – Shippensburg University Confirmed
Peter Claggett, CPBO- USGS Confirmed
Session II: Climate Change and Water Resources
Stuart Foster, State Climate Center, WKU Confirmed
Session III: Choosing the Right Sensor

Andrew Brenner, Sanborn Confirmed
Session IV: Forestry Resources
Christie McMicheal Confirmed
Morehead State University
Songlin Fei
University of Kentucky Confirmed
Session V: Agricultural Resources
Ben Koostra, Dept. Biosystems and Ag. Engineering
Tim Stombaugh, Ph.D. UK Biosystems and Ag.
Engineering– Confirmed
Session VI: Everything you need to know about LIDAR
Mike Ritchie, LIDAR– PhotoScience Confirmed

2:45 Break

3:00 Federal Initiatives for the States – Panel discussion – Plant Sciences,
Cameron Williams
Brian Lee, *Dept. Landscape Architecture, University of Kentucky*
Rebecca Dodge, *America View Confirmed*
Ross Lunetta, *US EPA Confirmed*
Lisa Cissell, *Kentucky NRI Program, NRCS-USDA Confirmed*
Klexa McKerrow – *North Carolina – Confirmed*

4:00 Break

4:15 State-of-the-State Reports – Panel Discussion – Stu Davis - moderator
Each speaker has 10 minutes then questions – Confirmed - Plant
Sciences, Cameron Williams
Ohio- Stu Davis - Confirmed
Indiana- Jill Saligoe - Confirmed
Illinois – Sheryl Oliver – Confirmed-potential videoconference
Tennessee – Dennis Pedersen or designee – Confirmed
Virginia – Dan Widner - Confirmed
West Virginia – *Charlie Yuill – invited*

5:45 Break

6:00 Dinner: E.S. Good Barn
Speaker: Kenny Ratliff, Director DGI
“Remote Sensing Outlook for the Region: Focus on Geospatial
Kentucky”

7:00 Concluding Remarks and Purpose of Day Two; E.S. Good Barn
Carol Hanley, Director of Education and Communications, TFCE

Wednesday May 21, 2008

- 7:30** Continental Breakfast: *Plant Sciences*
- 8:00** Plenary Session: *Plant Sciences*
Welcome
Carol Hanley, Director of Education and Communications, TFCE
“Strategies for Investing in Remote Sensing Technology”
Moderator: Mike Ritchie, PhotoScience - Confirmed
Each person has 15 minutes and then questions: Plant Sciences
- The Georgetown-Scott County Experience
Earl W. Smith, Georgetown - Scott Co. Planning Commission
Confirmed
 - KYSAT - To Boldly Go
Kris Kimmel, Kentucky Technology and Science Corporation
Confirmed
 - The IRAPP Experience
David Rudy or designate and Christi McMichael, Morehead State
University – include information about radiotelescope Confirmed
- 9:00** Break
- 9:15** Remote Sensing Pilot at KCTCS
Vince DiNoto, Kentucky Community and Technical College System
Confirmed
- MARC
Dr. Robin Zhang, Murray State University – Confirmed
 - Leica Geosystems
Amy Zeller – Confirmed
 - LOJIC
Jeff Ackerman – Confirmed
- 10:15** Break
- 10:30** Eight Round Robin Listening Sessions: E.S. Good Barn
Moderator: Brian Lee
What do you need from the state to design and implement new strategies?
- Session I: Data Infrastructure and Distribution*
Facilitators: Zena Merkin
 - Session II: Local Government*
Facilitators: Michelle Ellington – UK - Confirmed
Ben Campbell, Campbell County PVA -
Confirmed
 - Session III: Natural resource inventory and assessment*
Facilitators: Steve Crabtree, USDA/NRCS Confirmed
Roy Boggs, KY Division of Forestry
Confirmed

Session IV: Education

Facilitators: Ken Bates, KSU Confirmed

Greg Henson, UK Confirmed

- 11:45** Working Lunch: organizing notes; E.S. Good Barn
- 1:00** *Reports from Listening Sessions: Top 3 priorities:* E.S. Good Barn
Carol Hanley, Director of Education and Communications, TFCE
Brian Lee, Dept. Landscape Architecture, UK
- 2:00** Synthesis of Listening Sessions: Plans for Kentucky: E.S. Good Barn
Create a matrix of top ideas
Send report to state GIS conference and report
- 3:00** Adjourn