

UNC Asheville's NEMAC Presentations

Title	Authors	Venue	Type
The Severe Weather Data Inventory: A Spatial Database and Open Source Tools for Severe Weather Records	M Phillips	Free and Open Source Software for Geospatial 2007, Sep 24-27 2007 Victoria BC	Oral
2D and 3D Geospatial Visualization for Community Planning and Natural Hazard Issues	J Dobson	2007 North Carolina Arc Users Group (NCAUG) Annual Fall Conference, Sep 26-28 2007 Carolina Beach, NC	Oral
A Geospatial Database and Climatology of Severe Weather Data	S Ansari ¹ , S Del Greco ¹ , M Phillips	24 th Conference on Interactive Information and Processing Systems, Jan 20-24 2008 New Orleans LA	Oral
Visualization and Decision Support Tools to Deliver the Western North Carolina Report Card to Local Communities and Policy Makers	T Pierce, J Fox, J Hicks, E Mollish*	Roundtable on Sustainable Forests National Workshop, Feb 25-27 2008 Knoxville TN	Oral
Communicating Climate Data for Decision Support at the County and Regional Level through Geospatial Visualization	J Dobson, J Fox	Sixth Annual Climate Predictions Applications Science Workshop, Mar 4-7 2008 Chapel Hill NC	Oral
New Tools for Regional Planners and Decision Makers - Water Resource and Flooding Issues in Western North Carolina	J Fox	American Meteorological Society (Topical Meeting), Mar 25-28 2008 Washington DC	Oral
Visualization as a Decision Support Tool - Asheville's North Fork Reservoir and the Balance between Drought and Flood Mitigation	J Fox, J Dobson, M Phillips, T Pierce	2008 ASDSO Southeast Regional Conference, Apr 14 2008 Asheville NC	Oral
Decision Support Tools for Counties, Communities and Planners	J Fox	American Forests 2008 Urban Ecosystems, May 29-30 2008 Orlando FL	Oral
Communicating Climate Information for Integrated Decision Support at the County and Regional Level	J Dobson, J Fox, M Phillips, T Pierce	Climate Information for Managing Risks Symposium, Jun 10-13 2008 St. Pete Beach FL	Oral
Using Centers to Enhance Course Content	J Brownsmith, J Fox	Association of Small Computer Users in Education Jun 15-19 2008 Myrtle Beach SC	Oral
Decision Support Tools for Counties, Communities and Planners	J Fox, J Dobson, B O'Hara	2008 Mountain Green Sustainability Conference June 25 2008 Swannanoa NC	Oral
Development of a Parcel-based Density Analysis Tool to Evaluate Growth Patterns in Western North Carolina	N Thomas ² , J Dobson	2008 North Carolina Arc Users Group Fall Conference Sept 17-19 2008 Carolina Beach NC	Oral
Development of a Parcel-based Density Analysis Tool to Evaluate Growth Patterns in Western North Carolina	J Dobson, N Thomas, P Dezendorf ³	62nd Annual Meeting of the Southeastern Division of the Association of American Geographers November 22-25 2008 Greensboro NC	Oral
Developing geospatial decision support tools for a local NWS office and other regional decision makers	J Dobson, T Pierce, M Phillips	89 th Annual AMS Meeting, 25 th Conference on IIPS, Jan 11-15 2009 Phoenix AZ	Oral
The use of geovisualization in presenting weather and climate data to local decision makers	M Phillips, J Dobson, T Pierce, J Fox	89 th Annual AMS Meeting, 18 th Symposium on Education, Jan 11-15 2009 Phoenix AZ	Oral
Building the Database for Introduced Plants in the United States	Q Guo ⁴ , J Falcone ⁴ , J Brownsmith	20 th USDA Interagency Research Forum on Invasive Species, Jan 13-16 2009 Annapolis MC	Poster
Mapping Land Use and Management in Western North Carolina	J Hicks, M C Koester ⁴ , B O'Hara, T Pierce, S Fox ⁴	2009 NC GIS Conference, February 19-20 2009 Raleigh NC	Poster
Cutting Edge Collaboration and Technology	G Hume ⁵ , J Mann ⁶ , J Dobson	2009 NC GIS Conference, February 19-20 2009 Raleigh NC	Oral
Parcel-based Density Analysis Tool: Mapping Landuse Intensity at the Parcel Level in Western North Carolina	J Dobson, N Thomas ²	2009 NC GIS Conference, February 19-20 2009 Raleigh NC	Poster
Creating Geospatial Decision Support Tools for Regional Decision Makers	C Tabor [*]	2009 NC GIS Conference, February 19-20 2009 Raleigh NC	Oral
GIS Mash-ups on the Web: Using Google, ESRI, and Open Source to Develop Weather and Climate Applications for the Web	T Pierce, J Dobson, M Phillips	2009 GITA Infrastructure Solutions Conference, April 19-22 2009 Tampa FL	Oral
The Western North Carolina Report Card on Sustainability: Using Visualization Support Tools to Help Decision Makers Understand Climate Change	T Pierce, J Fox, J Hicks, M Hutchins, K Lichtenstein	2009 Southern Appalachian Man and the Biosphere Conference November 17-19 2009 Asheville NC	Oral

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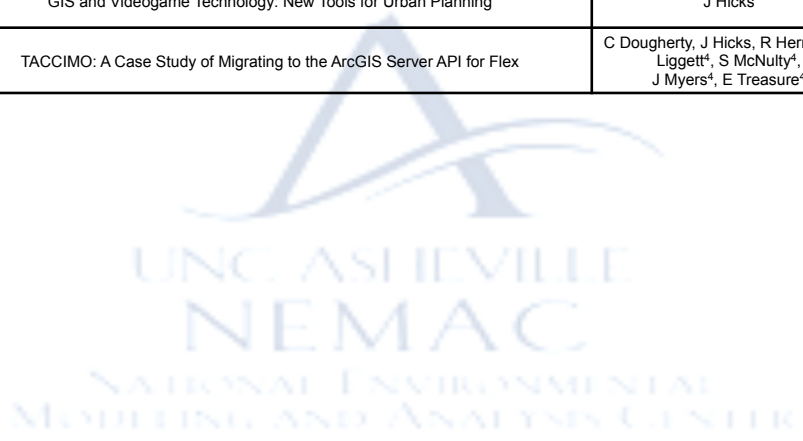
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Title	Authors	Venue	Type
Developing climate communication tools for integrated decision support at the local and regional level	J Dobson, J Fox, T Pierce, M Phillips, K Lichtenstein	90th American Meteorological Society Annual Meeting, Jan 17-21 2010 Atlanta GA	Oral
Severe weather climatologies based on NEXRAD and other data from the Severe Weather Data Inventory (SWDI)	M Phillips, S Ansari ¹ , S Del Greco ¹	90th American Meteorological Society Annual Meeting, Jan 17-21 2010 Atlanta GA	Oral
Multigraph: interactive data graphs on the web	M Phillips, D Eldreth*	90th American Meteorological Society Annual Meeting, Jan 17-21 2010 Atlanta GA	Oral
Climate Change Adaptation and Potential Impacts on the Three Regions of North Carolina	J Fox, J Michael ¹² , T Allen ¹³	Ask the Climate Question, ILT Workshop Mar 2010 Raleigh NC	Oral
Visualizing Hazards Using GIS: The Buncombe County Multi-Hazard Risk Tool	T Pierce	ESRI Southeast Regional Users Group Conference, Apr 26-28 2010 Charlotte NC	Oral
From Data to Dollars (Untapped Green Markets in Western North Carolina)	S Weatherford	Carolina Connect May 13 2010 Asheville NC	Oral
Lessons Learned from Outreach and Extension (Examples of Climate Adaptation Tools and Resources)	S Weatherford	Southeastern and Caribbean Climate Change Outreach Workshop May 24-26 2010 Jacksonville FL	Oral
Overview of the 2009-2010 Snow Season in the Southern Appalachian Mountains	Perry, L.B., Hotz, D., Keighton, S., Lee, L., Dobson, J.G., Hall, D., C.E. Konrad	67th Annual Eastern Snow Conference Jun 8-10 2010 Hancock MA	Oral
GIS and Video Game Technology: New Tools for Urban Planning	J Hicks, J Dobson	2010 North Carolina Arc Users Group Fall Conference Sep 15-17 2010 Caroline Beach NC	Oral
RENCI's Engagement Center Network: Research, Engagement, and Innovation	D Knowles ¹⁴ , J Fox, J Michael ¹² , T Allen ¹³	National Outreach Scholarship Conference Oct 4-7 2010 Raleigh NC	Oral
Engaging Stakeholders for Conducting Regional Climate Assessments	J Dobson, J Fox, K Lichtenstein, M Hutchins	35th NOAA Annual Climate Diagnostics and Prediction Workshop Oct 4-7 2010 Raleigh NC	Oral
Stakeholder Engagement and Conducting Climate Assessments in Western North Carolina	M Hutchins, J Dobson, J Fox, K Lichtenstein	2010 Southern Appalachian Man and the Biosphere (SAMAB) Fall Conference Nov 16-18 2010 Gatlinburg TN	Oral
Distributing Phenology Data: The National Phenology Dataset Explorer	T Pierce, M Hutchins, J Hicks, K Lichtenstein, M Phillips	2010 Southern Appalachian Man and the Biosphere (SAMAB) Fall Conference Nov 16-18 2010 Gatlinburg TN	Oral
Communicating Climate Change in an Uncertain and Pre-Occupied World	J Fox	2010 Southern Appalachian Man and the Biosphere (SAMAB) Fall Conference Nov 16-18 2010 Gatlinburg TN	Oral
The Use of GIS-Based Maps for Facilitating Stakeholder Engagement in Conducting Regional Climate Assessments	J Dobson, M Hutchins, J Fox, K Lichtenstein	2010 Southern Appalachian Man and the Biosphere (SAMAB) Fall Conference Nov 16-18 2010 Gatlinburg TN	Poster
The Western North Carolina Report Card on Sustainability: Web and Print Tools for Helping Decision Makers Put Climate Change in a Regional Context	T Pierce, J Hicks	2010 Southern Appalachian Man and the Biosphere (SAMAB) Fall Conference Nov 16-18 2010 Gatlinburg TN	Poster
Understanding climate change impacts: Partnerships and technology transfer	K Lichtenstein, B O'Hara, T Pierce, M Hutchins, J Hicks, M Phillips, J Fox	2010 Southern Appalachian Man and the Biosphere (SAMAB) Fall Conference Nov 16-18 2010 Gatlinburg TN	Poster
Forests and Phenology: Designing the Early Warning System to Understand Forest Change	T Pierce, M Phillips, W Hargrove ⁴ , J Dobson, J Hicks, M Hutchins, K Lichtenstein	AGU 2010 Conference Dec 13-17 2010 San Francisco CA	Poster
The Effective Organization and Use of Data in Bridging the Hazard Mitigation-Climate Change Adaptation Divide	G Smith ¹¹ , J Fox, S Shuford ¹⁰	AGU 2010 Conference Dec 13-17 2010 San Francisco CA	Oral
TACCIMO-GIS: A Collaborative Case Study on Assessing Climate Change impacts	J M Myers ⁴ , E Treasure ⁴ , S McNulty ⁴ , R Harris ⁴ , T Pierce, J Hicks, A Ramirez, C Dougherty	2011 ESRI Federal User Conference Jan 20-21 2011 Washington DC	Oral

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The Buncombe County Multi-Hazard Risk Tool	T Pierce	2011 NC GIS Conference Feb 17-18 2011 Raleigh NC	Oral
The Use of GIS in Facilitating Regional Climate Assessments in North Carolina	G Dobson	2011 NC GIS Conference Feb 17-18 2011 Raleigh NC	Oral
GIS and Videogame Technology: New Tools for Urban Planning	J Hicks	2011 NC GIS Conference Feb 17-18 2011 Raleigh NC	Oral
TACCIMO: A Case Study of Migrating to the ArcGIS Server API for Flex	C Dougherty, J Hicks, R Herring ¹ , C Liggett ⁴ , S McNulty ⁴ , J Myers ⁴ , E Treasure ⁴	ESRI SERUG 2011 Conference, May 2-4 2011 Jacksonville FL	Oral



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UNC Asheville's NEMAC Publications

Title	Authors	Source
University Expertise Expands Database Development: EFETAC and NEMAC explore high-tech data management	B O'Hara, K Lichtenstein	Forest ThreatNet Fall 2007 pg 5, US Forest Service's EFETAC
A Geospatial Database and Climatology of Severe Weather Data	S Ansari ¹ , S Del Greco ¹ , M Phillips	Proceedings of 24 th Conference on Interactive Information and Processing Systems, Jan 20-24 2008 New Orleans LA
The Kudzu Factor: EFETAC scientist investigates plants' invasive potential	B O'Hara	Forest ThreatNet Winter 2008 pg 6, US Forest Service's EFETAC
Visualization as a Decision Support Tool - Asheville's North Fork Reservoir and the Balance between Drought and Flood Mitigation	J Fox, J Dobson, M Phillips, T Pierce	Proceedings of 2008 ASDSO Southeast Regional Conference, Apr 14 2008 Asheville NC
CRAFTing Tools for Forest Managers: Scientist Encourages Comprehensive Approach to Forest Management	B O'Hara, K Lichtenstein	Forest ThreatNet Spring/Summer 2008 pg 3, US Forest Service's EFETAC
Branching Out: NCSU Researcher Examines Forest Genetics and Evolution	S Worley-Firley ⁴ , K Lichtenstein	Forest ThreatNet Spring/Summer 2008 pg 4, US Forest Service's EFETAC
Where Has All the Water Gone?: GIS Specialist Connects Present Water Use to Future Needs	B O'Hara, K Lichtenstein	Forest ThreatNet Spring/Summer 2008 pg 5, US Forest Service's EFETAC
Decision Support Tools for Counties, Communities and Planners	J Fox	Proceedings of American Forests 2008 Urban Ecosystems, May 29-30 2008 Orlando FL
Using Centers to Enhance Course Content	J Brownsmith, J Fox	Proceedings of Association of Small Computer Users in Education Jun 15-19 2008 Myrtle Beach SC
FIRST Offers Broad View of Forest Threats: Advanced technology holds key to early warning system	B O'Hara	Forest ThreatNet Fall 2008 pg 2, US Forest Service's EFETAC
Plants Feed Healthy Forests: VEG indicators expand long-term forest health research	K Lichtenstein	Forest ThreatNet Fall 2008 pg 3, US Forest Service's EFETAC
Developing geospatial decision support tools for a local NWS office and other regional decision makers	J Dobson, T Pierce, M Phillips	Proceedings of 89 th Annual AMS Meeting, 25 th Conference on IIPS, Jan 11-15 2009 Phoenix AZ
Flying High for Forestry: GIS specialist has unusual view of forest change	K Lichtenstein	Forest ThreatNet Winter 2009 pg 4, US Forest Service's EFETAC
Forest Fragmentation Creeps Across Scientific Boundaries: Ritters' research offers consistency to national studies	B O'Hara	Forest ThreatNet Winter 2009 pg 5, US Forest Service's EFETAC
GIS Mash-ups on the Web: Using Google, ESRI, and Open Source to Develop Weather and Climate Applications for the Web	T Pierce, J Dobson, M Phillips	Proceedings of 2009 GITA Infrastructure Solutions Conference, April 19-22 2009 Tampa FL
Development of a Parcel-based Density Analysis Tool to Evaluate Growth Patterns in Western North Carolina	N Thomas ² , J Dobson, P DeZendorf ³ , M Cantrell ⁷ , D Abernathy ⁸	Journal of Conservation Planning Volume 5 (2009) pp 38-53
Crafting Better Decisions: Creating a link between belief networks and GIS	J Hicks, T Pierce	ArcUser, Fall 2009, ESRI
The Western North Carolina Report Card on Forest Sustainability	S Fox ⁴ , G Kauffman ⁴ , M C Koester ⁴ , C Van Sickle ⁴ , J Fox, J Hicks, M Hutchins, K Lichtenstein, T Pierce	US Forest Service's Southern Research Station
Comparative Flooding between the Coastal Plains and Mountains of North Carolina	J Colby ⁹ , J Dobson	Natural Hazards Review, 11(1): pp 19-28
Engaging Stakeholders for Conducting Regional Climate Assessments	J Dobson, J Fox, K Lichtenstein, M Hutchins	Science and Technology Infusion Climate Bulletin from 35th NOAA Annual Climate Diagnostics and Prediction Workshop Raleigh, NC, 4-7 October 2010

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