



Fall Floodplain Institute

NORTH CAROLINA ASSOCIATION OF FLOOD PLAIN MANAGERS

PROGRAM

17th Annual Fall Floodplain Institute October 12-14, 2022 Asheville, NC

Tuesday, October 11	
6:00 PM – 9:00 PM	NCAFP Board Meeting (<i>Dogwood</i>)
Wednesday, October 12	
7:30 AM – 1:00 PM	John Fullerton Fall Memorial Golf Outing (Reems Creek Golf Club) <i>Coordinator: Bill Tingle, CFM (NCAFP)</i>
9:00 AM – 1:00 PM	Vendor Exhibit Setup (Pilot Room)
12:30 – 1:45 PM	Registration (Laurel Registration Area)
1:45 – 3:15 PM	<p>PLENARY SESSION 1: OPENING (Ballroom – Roan/Mitchell) <i>Master of Ceremonies: Ken Ashe, PE, PMP, CFM (NCAFP Chair)</i></p> <p>Welcome to FFI: <i>Ken Ashe, PE, PMP, CFM (NCAFP Chair), Laura Arnold, PE, CFM (NCAFP Vice Chair), Mike Robinson, PE, CFM (NCAFP Program Chair) [10]</i></p> <p>Welcome to Asheville: <i>Mayor Esther E. Manheimer [10]</i></p> <p>ASFPM 2023 in Raleigh: <i>Ken Ashe, PE, PMP, CFM and Amit Sachan, PE, CFM [15]</i></p> <p>Keynote Address: <i>Dr. Nathan Dollar, Project Director for DEEPP Pilot Survey, UNC Research [30]</i></p> <p>ASFPM/FEMA/CRS Update: <i>Bill Tingle, CFM (NCAFP Executive Director) [10]</i></p> <p>Scholarship Program: <i>Dan Tomczak, CFM [10]</i></p> <p>Other Business [5]</p>
3:15 – 3:45 PM	BREAK – Refreshments (Pisgah Room)
3:45 – 5:15 PM	<p>PLENARY SESSION 2: STATEWIDE UPDATES (Ballroom – Roan/Mitchell) <i>Moderator: Ken Ashe, PE, PMP, CFM (NCAFP Chair)</i></p> <p>North Carolina Floodplain Mapping Program, State Hazard Mitigation Plan and FEMA BRIC Program Updates: <i>Steve McGugan, Assistant Director, NCEM [60]</i></p> <p>North Carolina Geodetic Survey Update: <i>Gary Thompson, PLS, Chief, NC Geodetic Survey [30]</i></p>
5:15 – 5:45 PM	Registration (Laurel Registration Area)
5:30 – 7:00 PM	Exhibitors’ Social – Refreshments (Pilot, Pisgah Rooms)
	Dinner on Your Own
9:00 – 11:00 PM	Hospitality Suite Open (Room 220 Thomas Wolfe Suite)

Thursday, October 13

7:00 – 10:30 AM	Registration (<i>Laurel Registration Area</i>)			
7:00 - 8:30 AM	Morning Meet and Greet - (<i>Pisgah Room</i>)			
8:30 – 10:00 AM	<p>PLENARY SESSION 3: REGIONAL AND STATE RESILIENCY INITIATIVES (<i>Ballroom – Roan/Mitchell</i>) <i>Moderator: Amit Sachan, PE, CFM</i></p> <p>Note: Duration of individual presentations is in brackets [].</p> <p>FEMA Region 4 Update: <i>Jason Hunter, Floodplain Management and Insurance Branch Chief [30]</i></p> <p>North Carolina Department of Transportation Resiliency Update: <i>Matt Lauffer, PE, CPM, Assistant State Hydraulics Engineer [30]</i></p> <p>North Carolina State Climate Office Update: <i>Corey Davis, Assistant State Climatologist [30]</i></p>			
10:00 – 10:30 AM	BREAK – Refreshments (<i>Pisgah Room</i>)			
10:30 AM – 12:00 PM	<p>PLENARY SESSION 4: LOCAL RESILIENCY INITIATIVES (<i>Ballroom – Roan/Mitchell</i>) <i>Moderator: Ken Vafier, CFM</i></p> <p>Note: Duration of individual presentations is in brackets [].</p> <p>A Watershed-based Flood Risk and Vulnerability Assessment to Scale-Up Resilience Across Jurisdictions: <i>Mary Roderick, PhD (Land of Sky Regional Council), James Fox (FernLeaf) [25]</i></p> <p>Building a Watershed Master Plan Program for Flooding Resiliency – from the Ground Up <i>Sheila Thomas-Ambat, Public Services Director (City of Fayetteville) and Alicia L. Lanier, PE, HSDP [25]</i></p> <p>Adaptation for All: A Guide for Building Flood Resilience for Communities of Every Size: <i>Saskia Pardaans (Embassy of the Kingdom of the Netherlands) and Mark Van Auken (Arcadis), Scott Brookhart (Arcadis) [40]</i></p>			
12:00 – 1:15 PM	LUNCH BUFFETT INCLUDED (<i>Ballroom – Roan/Pisgah Rooms</i>)			
1:30 –3:00 PM	<p>1-A Technical Session <i>(Roan Room)</i> <i>Moderator: Melonee Brock, CFM</i></p> <p>One [30] <i>Leveraging Risk MAP Hydraulic Modeling Products to Support Post-Disaster Response – Elizabeth Angel, PE, CFM and Kevin Slover (Dewberry)</i></p> <p>Two [30] <i>An Integrated Predictive Flood Modeling System to Support Operational and Emergency Management Applications – Chad Ballard, PE, CFM (Vieux & Associates, Inc. / AEM) and Kelly Daniel (City of Raleigh)</i></p> <p>Three [30] <i>Standard Operating Procedures for Managing Low-Cost Sensors Network – James Scanlon, CFM, GISP (Charlotte-Mecklenburg Storm Water Services)</i></p>	<p>1-B Hazard Mitigation and Resilience Session <i>(Mitchell Room)</i> <i>Moderator: Holly White, CFM</i></p> <p>One [30] <i>A Review of Past Hurricanes in North Carolina – Mathew Hornack (ESP Associates, Inc.)</i></p> <p>Two [30] <i>Losses Avoided from Tropical Storm Fred (DR 4617) – Chris Crew (NCEM)</i></p> <p>Three [30] <i>French Broad River FIMAN Library Enhancements for Improved Awareness in Asheville – Matthew Dudley (ESP Associates, Inc.) and Kurt Golembesky, PE, CFM (NCDOT)</i></p>	<p>1-C CFM Review <i>(Dogwood)</i> <i>Facilitators: Steve Garrett (NCEM)</i></p>	<p>1-D BCA Workshop <i>(Blue Ridge Room)</i> <i>Facilitators: TBD</i></p> <p><i>Participant laptops are optional</i></p>
3:00 – 3:30 PM	BREAK – Refreshments (<i>Pisgah Room</i>)			

Thursday, October 13 (cont.)

<p>3:30 –5:00 PM</p> <p>Note: Duration of individual presentations is in brackets [].</p>	<p>2-A Technical Session (Roan Room) <i>Moderator: Laura Arnold, PE, CFM</i></p> <p>One [30] <i>Should Safety Factors be Implemented in Hydrology? Chas Webb, PE, CFM (City of Raleigh)</i></p> <p>Two [30] <i>Monitoring Stormwater and Its Related Infrastructure w/Case Studies – Derek Slocum (OTT HydroMet)</i></p> <p>Three [30] <i>Using 2D Modeling to Inform Uncertain 1D Modeling – Mathew Hornack, PE, CFM (ESP Associates, Inc.)</i></p>	<p>2-B Hazard Mitigation and Resilience Session (Mitchell) <i>Moderator: David Key, PE, CFM</i></p> <p>One [30] <i>Hazard Mitigation Plan Implementation: How to Get Your Mitigation Projects Ready for Grant Applications – Abby Moore, AICP, CFM (Wood)</i></p> <p>Two [30] <i>NCORR Resiliency Portfolios – Hope Morgan (AECOM)</i></p> <p>Three [30] <i>Improving Community Resilience with Dam Risk Products – Tasnuva Mahjabin, PhD (Atkins)</i></p>	<p>2-C CFM Review (Dogwood) <i>Facilitator: Steve Garrett (NCEM)</i></p>	<p>2-D BCA Workshop (Blue Ridge Room) <i>Facilitators: TBD</i></p> <p><i>Participant laptops are optional</i></p>
<p>6:30 – 8:30 PM</p>	<p>Conference Social (dinner included) (Ballroom – Roan/Pisgah Rooms)</p>			
<p>7:30 – 11:00 PM</p>	<p>Hospitality Suite Open (Room 220 Thomas Wolfe Suite)</p>			

Friday, October 14

<p>7:30 – 8:30 AM</p>	<p>Registration (Laurel Registration Area)</p>			
<p>7:30 – 8:30 AM</p>	<p>Morning Meet and Greet - (Pisgah Room)</p>			
<p>8:30 – 10:00 AM</p> <p>Note: Duration of individual presentations is in brackets [].</p>	<p>3-A Technical Session (Roan Room) <i>Moderator: Laura Arnold, PE, CFM</i></p> <p>One [30] <i>Leveraging BLE Analysis & Results in FEMA Region 4, An Important Tool for Identifying and Managing Flood Risk – Shannon Brewer, CFM, PMP and Jarrett Mattli (Dewberry)</i></p> <p>Two [30] <i>LOMC Production Best Practices – Luke Mowery (ESP Associates, Inc.)</i></p> <p>Three [30] <i>Map Updates through CLOMRs/LOMRs: Closing the Gap Between Requestor and Analyst – Lauren Sester, EI, CFM (Atkins)</i></p>	<p>3-B Tropical Storm Fred Session (Mitchell Room) <i>Moderator: Nancy Watford</i></p> <p>One [15] <i>Jared Rennie, NOAA NCEI: Overview of Tropical Storm Fred from a meteorological perspective</i></p> <p>Two [16] <i>Valerie Anderson, FEMA Region 4: Overview of FEMA grant programs relative to the event</i></p> <p>Three [45] <i>Zack Koonce and Cody Grasty, Haywood County: Overview of the storm’s impact on the County and the County’s emergency response, including post-disaster mitigation</i></p> <p>Four [15] <i>Q&A and Open Discussion: Opportunity for the audience to share their own observations and experiences regarding Fred and to ask questions of the panel</i></p>	<p>3-C CFM Exam (Dogwood) 8:30 – 11:30 AM [3 hr]</p> <p><i>Proctor:</i> <i>Bill Tingle, CFM</i> <i>NCAFPM</i> <i>Melonee Brock, CFM</i></p>	<p>3-D Workshop (Blue Ridge Room) 8:30 – 10:00 AM [90]</p> <p>Floodplain Design, Construction and Impacts on Flood Insurance <i>J. Paul Abrams, CFM (Floodproofing.com)</i></p>
<p>10:00 – 10:30 AM</p>	<p>BREAK – Refreshments (Pisgah Room)</p>			
<p>10:30 AM – 12:00 PM</p> <p>Note: Duration of individual presentations is in brackets [].</p>	<p>PLENARY SESSION 5: CLOSING PLENARY (Ballroom Roan/Mitchell) <i>Moderator: Ken Ashe, PE, CFM (NCAFPM Chair)</i></p> <p>One [30] <i>NC Division of Mitigation Services’ Cape Fear 02/03 Regional Watershed Plan – Ivy Huang, EI, PhD; Courtney Carpenter, PE, CFM, ENV SP; and Jenny Fleming, PE (VHB); Invited: Anji Ackerman (NCDMS)</i></p> <p>Two [30] <i>Opportunities to Overcome Stakeholder Fatigue – Andrew Hadsell, PE (AECOM)</i></p> <p>Three [30] <i>How Well Do You Know North Carolina’s Floodplains? - Ken Ashe, PE, CFM (Wood)</i></p>			

2022 Fall Floodplain Institute Presenters

<i>Valerie Anderson, CFM (FEMA Region 4)</i>	<i>Zack Koonce (Haywood County)</i>
<i>Elizabeth Angel, PE, CFM (Dewberry)</i>	<i>Alicia Lanier, PE, HSDP (City of Fayetteville)</i>
<i>Ken Ashe, PE, PMP, CFM, Chair (WSP)</i>	<i>Matt Lauffer (NCDOT)</i>
<i>Chad Ballard, PE, CFM (Vieux & Associates, Inc.)</i>	<i>Tasnuva Mahjabin, PhD (Atkins)</i>
<i>Shannon Brewer, CFM, PMP (Dewberry)</i>	<i>Jarrett Mattli, GISP, CFM (Dewberry)</i>
<i>Scott Brookhart, PE, CFM (Arcadis)</i>	<i>Steve McGugan, State Hazard Mitigation Officer, Assistant Director/Mitigation Section Chief (NCEM)</i>
<i>Courtney Carpenter, PE, CFM, ENV SP (VHB)</i>	<i>Abby Moore, AICP, CFM (WSP)</i>
<i>Chris Crew (NCEM)</i>	<i>Hope Morgan (AECOM)</i>
<i>Kelly Daniel (City of Raleigh)</i>	<i>Luke Mowery, CFM (ESP Associates)</i>
<i>Corey Davis, Asst. State Climatologist (State Climate Office of NC)</i>	<i>Jared Rennie (NOAA NCEI)</i>
<i>Nathan Dollar, PhD (Carolina Population Center)</i>	<i>Mary Roderick, PhD (Land of Sky Regional Council)</i>
<i>Matthew Dudley, PE, CFM (ESP Associates)</i>	<i>James Scanlon, GISP, CFM (CMSWS)</i>
<i>Jenny Fleming, PE (VHB)</i>	<i>Lauren Sester, CFM (Atkins)</i>
<i>James Fox (FernLeaf)</i>	<i>Derek Slocum (OTT HydroMet)</i>
<i>Kurt Golembesky, PE, CFM (NCDOT)</i>	<i>Kevin Slover (Dewberry)</i>
<i>Cody Grasty (Haywood County)</i>	<i>Sheila Thomas-Ambat, PE (City of Fayetteville)</i>
<i>Andrew Hadsell (AECOM)</i>	<i>Gary Thompson, PLS, Deputy Hazard Mitigation Chief, NC Geodetic Survey Chief (NCEM)</i>
<i>Mathew Hornack, PE, CFM (ESP Associates)</i>	<i>Mark Van Auken, PE, CPMSM, ENV SP (Arcadis)</i>
<i>Ivy Huang, PhD, EI (VHB)</i>	<i>Chas Webb, PE, CFM (City of Raleigh)</i>
<i>Jason Hunter (FEMA Region 4)</i>	

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