



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	PLENARY SESSION 1: OPENING (Ballroom – Roan/Mitchell) <i>Master of Ceremonies: Ken Ashe, PE, PMP, CFM (NCAFP Chair)</i> Welcome to FFI: <i>Ken Ashe, PE, PMP, CFM (NCAFP Chair), Laura Arnold, PE, CFM (NCAFP Vice Chair), Mike Robinson, CFM (NCAFP Program Chair) [10]</i> Welcome to Asheville: <i>Mayor Esther E. Manheimer [10]</i> ASFPM 2023 in Raleigh: <i>Ken Ashe, PE, PMP, CFM and Amit Sachan, PE, CFM [15]</i> Keynote Address: <i>Dr. Nathan Dollar, PhD, Project Director for DEEPP Pilot Survey, UNC Research [30]</i> ASFPM/FEMA/CRS Update: <i>Bill Tingle, CFM (NCAFP Executive Director) [10]</i> Scholarship Program: <i>Dan Tomczak, CFM [10]</i> Other Business [5]
3:15 – 3:45 PM	BREAK – Refreshments (Pisgah Room)
3:45 – 5:15 PM	PLENARY SESSION 2: STATEWIDE UPDATES (Ballroom – Roan/Mitchell) <i>Moderator: Ken Ashe, PE, PMP, CFM (NCAFP Chair)</i> North Carolina Floodplain Mapping Program, State Hazard Mitigation Plan and FEMA BRIC Program Updates: <i>Steve McGugan, State Hazard Mitigation Officer, Assistant Director/Mitigation Section Chief (NCEM) [60]</i> North Carolina Geodetic Survey Update: <i>Gary Thompson, PLS, Chief, NC Geodetic Survey [30]</i>
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 Note: Duration of individual presentations is in brackets [].	PLENARY SESSION 3: REGIONAL AND STATE RESILIENCY INITIATIVES (<i>Ballroom – Roan/Mitchell</i>) <i>Moderator: Amit Sachan, PE, CFM</i> FEMA Region 4 Update: <i>Jason Hunter, CFM, Floodplain Management and Insurance Branch Chief [30]</i> North Carolina Department of Transportation Resiliency Update: <i>Matt Lauffer, PE, Assistant State Hydraulics Engineer [30]</i> North Carolina State Climate Office Update: <i>Corey Davis, Assistant State Climatologist [30]</i>			
10:00 – 10:30 AM	BREAK – Refreshments (<i>Pisgah Room</i>)			
10:30 AM – 12:00 PM Note: Duration of individual presentations is in brackets [].	PLENARY SESSION 4: LOCAL RESILIENCY INITIATIVES (<i>Ballroom – Roan/Mitchell</i>) <i>Moderator: Ken Vafier, CFM</i> 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> Building a Watershed Master Plan Program for Flooding Resiliency – from the Ground Up <i>Sheila Thomas-Ambat, PE, CFM, Public Services Director (City of Fayetteville) and Alicia L. Lanier, PE, HSDP [25] (City of Fayetteville)</i> Adaptation for All: A Guide for Building Flood Resilience for Communities of Every Size: <i>Saskia Pardaans (Embassy of the Kingdom of the Netherlands), Mark Van Auken PE, CPMSM, ENV SP (Arcadis), and Scott Brookhart, PE, CFM (Arcadis) [40]</i>			
12:00 – 1:15 PM	LUNCH BUFFETT INCLUDED (<i>Ballroom – Roan/Pisgah Rooms</i>)			
1:30 –3:00 PM Note: Duration of individual presentations is in brackets [].	1-A Technical Session <i>(Roan Room)</i> <i>Moderator: Melonee Brock, CFM</i> One [30] <i>Leveraging Risk MAP Hydraulic Modeling Products to Support Post-Disaster Response</i> <i>Elizabeth Angel, PE,CFM and Kevin Slover (Dewberry)</i> 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 Ben Brown, PE, CFM (City of Raleigh Stormwater)</i> Three [30] <i>Standard Operating Procedures for Managing Low-Cost Sensors Network – James Scanlon, CFM, GISP (Charlotte-Mecklenburg Storm Water Services)</i>	1-B Hazard Mitigation and Resilience Session <i>(Mitchell Room)</i> <i>Moderator: Holly White, CFM</i> One [30] <i>A Review of Past Hurricanes in North Carolina – Mathew Hornack, PE, CFM (ESP Associates, Inc.)</i> Two [30] <i>Losses Avoided from Tropical Storm Fred (DR 4617) – Chris Crew, CFM (NCEM)</i> Three [30] <i>French Broad River FIMAN Library Enhancements for Improved Awareness in Asheville – Matthew Dudley, PE, CFM, (ESP Associates, Inc.) and Kurt Golembesky, PE, CFM (NCDOT)</i>	1-C CFM Review <i>(Dogwood)</i> <i>Facilitator: Steve Garrett, CFM, State NFIP Coordinitor (NCEM)</i>	1-D BCA Workshop <i>(Blue Ridge Room)</i> <i>Facilitator: Steve McGugan, State Hazard Mitigation Officer, Assistant Director/ Mitigation Section Chief (NCEM)</i> <i>Participant laptops are optional</i>
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?</i> <i>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 (WSP)</i></p> <p>Two [30] <i>NCORR Resiliency Portfolios – Hope Morgan, CFM, PLS (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)</p> <p><i>Facilitator: Steve Garrett, CFM, State NFIP Coordinator (NCEM)</i></p>	<p>2-D BCA Workshop (Blue Ridge Room)</p> <p><i>Facilitator: Steve McGugan, State Hazard Mitigation Officer, Assistant Director/ Mitigation Section Chief (NCEM)</i></p> <p><i>Participant laptops are optional</i></p>
6:30 – 8:30 PM	Conference Social (dinner included) (Ballroom – Roan/Pisgah Rooms) <i>Music Provided by David Reid</i>			
7:30 – 11:00 PM	Hospitality Suite Open (Room 220 Thomas Wolfe Suite)			

Friday, October 14

7:30 – 8:30 AM	Registration (Laurel Registration Area)			
7:30 – 8:30 AM	Morning Meet and Greet - (Pisgah Room)			
<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, GISP, CFM (Dewberry)</i></p> <p>Two [30] <i>LOMC Production Best Practices – Luke Mowery, CFM (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, CFM, 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: Bill Tingle, CFM NCAFPM Melonee Brock, CFM</i></p>	
10:00 – 10:30 AM	BREAK – Refreshments (Pisgah Room)			
<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 (WSP)</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>

2022 Fall Floodplain Institute Presenters

Valerie Anderson, CFM (FEMA Region 4)

Elizabeth Angel, PE, CFM (Dewberry)

Ken Ashe, PE, PMP, CFM, NCAFPM Chair (WSP)

Chad Ballard, PE, CFM (Vieux & Associates, Inc.)

Shannon Brewer, CFM, PMP (Dewberry)

Scott Brookhart, PE, CFM (Arcadis)

Ben Brown PE, CFM (City of Raleigh)

Courtney Carpenter, PE, CFM, ENV SP (VHB)

Chris Crew (NCEM)

Corey Davis, Assistant State Climatologist (State Climate Office of NC)

Nathan Dollar, PhD (Carolina Population Center)

Matthew Dudley, PE, CFM (ESP Associates)

Jenny Fleming, PE (VHB)

James Fox (FernLeaf)

Steve Garrett, State NFIP Coordinator CFM

Kurt Golembesky, PE, CFM (NCDOT)

Cody Grasty (Haywood County)

Andrew Hadsell (AECOM)

Mathew Hornack, PE, CFM (ESP Associates)

Ivy Huang, PhD, EI (VHB)

Jason Hunter, CFM (FEMA Region 4)

Zack Koonce (Haywood County)

Alicia Lanier, PE, HSDP (City of Fayetteville)

Matt Lauffer, PE (NCDOT)

Tasnuva Mahjabin, PhD (Atkins)

Jarrett Mattli, GISP, CFM (Dewberry)

Steve McGugan, State Hazard Mitigation Officer, Assistant Director/Mitigation Section Chief (NCEM)

Abby Moore, AICP, CFM (WSP)

Hope Morgan (AECOM)

Luke Mowery, CFM (ESP Associates)

Jared Rennie (NOAA NCEI)

Mary Roderick, PhD (Land of Sky Regional Council)

James Scanlon, GISP, CFM (CMSWS)

Lauren Sester, CFM (Atkins)

Derek Slocum (OTT HydroMet)

Kevin Slover (Dewberry)

Sheila Thomas-Ambat, PE, CFM (City of Fayetteville)

Gary Thompson, PLS, Deputy Hazard Mitigation Chief, NC Geodetic Survey Chief (NCEM)

Mark Van Auken, PE, CPMSM, ENV SP (Arcadis)

Chas Webb, PE, CFM (City of Raleigh)

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Thank you to our break sponsors:



Thank you to our John Fullerton Fall Memorial Golf Tournament sponsor:



Crown Plaza Floorplan

