**Symposium: Building Flood Resiliency in West Virginia Communities** 

March 12-13, 2024

Holiday Inn & Suites, 400 2d Ave SW, Charleston WV 25303

Detailed Agenda

Tuesday, March 12, 2024

| **Day Time Session Location Presenter(s)** |
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| **Tuesday** 8:00 – 9:00 Registration Opens |
| **Tuesday** 9:00 – 9:15 Welcome and Introductions Centennial **Jamie Shinn**, Assistant Professor at SUNY College  of Environmental Science  and Forestry (SUNY-ESF)  and West Virginia Flood  Resiliency Framework  Project Team |
| **Tuesday** 9:15 – 9:30 Overview of NSF Study &  Centennial **Jamie Shinn**, SUNY-ESF and  Symposium Goals  WVFRF Project Team |
| **Tuesday** 9:30 – 10:00 State Flood Resiliency Plan Centennial **Robert Martin**, Director of the West Virginia State  Resiliency Office (SRO)  **Edwin Martin**, Deputy  Director of the West  Virginia State Resiliency  Office (SRO) |
| **Tuesday** 10:00 – 10:15 **Coffee & Tea Break** |
| **Tuesday** 10:15 – 12:00 How to Plan for Everything  Centennial **Aaron Titus**, Executive  Activity  Director of Crisis Cleanup  There are an endless number  of disasters to worry about.  Preparing for every possible  disaster leaves you with a  long, disorganized list of  things to buy or do, which  may not match personal  needs. Preparation can  seem unattainable. We  check off the first few items |

| from our list, give up, and  hope the zombies eat us first.  It's time to start preparing  with two simple changes:  First, Prepare for disruptions,  not disasters. It doesn't  matter whether a power  outage was caused by a  flood, backhoe, or someone  backing into a pole. Just  prepare for the power  outage! **Preparing for a few**  **disruptions will prepare you**  **for any disaster.** You really  can prepare for everything.  Second, prepare together.  We prepare better when we  prepare together. How to  Prepare for Everything gives  you a simple, step-by-step  approach to prepare  yourself and your neighbors  for emergencies, accidents,  adventures, and life's ups  and downs. |
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| **Tuesday** 12:00 – 1:00 **Lunch (provided)** Reception Hall |
| **Tuesday** 1:00 – 2:00 Panel: Planning for the  Centennial **Julian Levine** (moderator),  Disaster Response Cycle  Director of Population  Health & Community  Panelists:  Engagement at West  Virginia School of  **Debbie Sizemore**, President  Osteopathic Medicine,  of Williamsburg Area  Center for Rural and  Emergency Response Team  Community Health  (WART)  (WVSOM CRCH) and  **Paula Brown**, Deputy  WVFRF Project Team  Director of Greenbrier  County Homeland Security  and Emergency  Management  **Dave Lumsden,** Disaster  Response Coordinator for  Episcopal Diocese of West  Virginia |

| **Cathy Rennard,** Former  Disaster Case Management  Supervisor for West Virginia  Voluntary Organizations  Active in Disaster (WV  VOAD)  **James Young**, Disaster Field  Coordinator for the Federal  Emergency Management  Agency,  **Tim Keaton**, NFIP/CTP  Coordinator at West Virginia  Emergency Management  Division  **Tammy Tincher**, President  County Commissioner for  Greenbrier County |
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| **Day Time Concurrent Sessions (3) Location Presenter(s)** |
| **Tuesday** 2:00 – 3:00 National Flood Insurance  Montgomery **Tim Keaton**, National Flood  Program (NFIP)  Insurance Program  (NFIP)/Cooperating  Technical Partner (CTP)  Coordinator at West  Virginia Emergency  Management Division  (WVEMD) |
| **Tuesday** 2:00 – 3:00 Tools for comprehensive  Capitol **Katherine Garvey**, Director  flood planning  of Land Use Law Clinic at  West Virginia University  This session will briefly  (WVU)  introduce legal and  planning tools effective at  **Jared Anderson**, Land Use  reducing impacts from  Attorney, Land Use Law  flooding. Tools include  Clinic at West Virginia  floodplain overlays,  University (WVU)  setbacks, floodplain  ordinances, and non  regulatory tools such as  deed restrictions. After  introducing a variety of tools,  hypotheticals will be  discussed covering common  questions. In addition, the  panel will discuss HB 171 |

| impacting the regulation of  agriculture with flood  regulation as an example. |
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| **Tuesday** 2:00 – 3:00 Williamsburg Area Response  Centennial **Debbie Sizemore**, President  Team (WART)  of Williamsburg Area  Emergency Response  Nominated for two awards in  Team (WART)  the area of disaster  response, the Williamsburg  Area Emergency Response  Team model is a program  designed to help rural  communities establish a  local emergency crisis team.  This nuts-and-bolts session  aimed specifically at small  towns and communities, will  help participants think  through what is needed  before, during, and after a  disaster. The session will  describe one *very* rural  community’s effort to build  and sustain capacity in the  area of emergency response  and will provide practical  tips on how participants can  build their own teams prior to  a catastrophic event. |
| **Tuesday** 3:00 – 3:15 **Coffee & Tea Break** |
| **Day Time Session Location Presenter(s)** |
| **Tuesday** 3:15 – 4:15 WV Flood Risk Assessment  Centennial **Kurt Donaldson** Director of  and Visualization Tools  the West Virginia GIS  Technical Center  The West Virginia GIS  (WVGISTC)  Technical Center will provide  background on flood  **Aaron Maxwell** Faculty  related tools, such as the  Director for the WVGISTC,  West Virginia Flood Tool, and  faculty member in the  in-progress data, mapping  Department of Geology  efforts, and application  and Geography at WVU,  development as part of the  and WVFRF Project Team  West Virginia Flood Resiliency  **Behrang Bidadian**,  Framework. The Center  Research Associate and  hopes to encourage  feedback and discussion on |

| existing tools and needs for  GIS Analyst at the  landowners, flood mitigation  WVGISTC  professionals, and  **Annie Mahmoudi**,  community leaders to  Graduate Research  understand risk and resiliency  Assistant and PhD student  to flooding and plan for  funded by the WVGISTC  mitigation. They will generally  discuss their contributions to  the West Virginia Food  Resiliency Framework and  work moving forward. |
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| **Tuesday** 4:15 – 4:45 National Weather Service  Centennial **Nicholas Webb**, Senior  Flood Inundation Mapping  Service  Service  Hydrologist/Meteorologist  National Weather Service  The longstanding demand  for event-driven flood  inundation mapping (FIM)  has increased dramatically  in recent years as a high  value source of actionable  information for emergency  and water resource  managers to prepare,  mitigate, and respond to  flood impacts. In response,  the National Water Center of  the National Weather  Service has developed and  demonstrated high  resolution inundation  modeling capabilities which  complement and expand  upon existing static FIM  libraries providing geo  referenced visualizations of  forecast flooding extent at  the continental scale. These  new inundation mapping  capabilities translate analysis  and forecasts of streamflow  into operational maps that  communicate impact by  showing where flooding may  occur. |

| **Tuesday** 4:45 – 5:00 Daily Recap, Reflections,  Centennial **Jamie Shinn**, SUNY-ESF and  Wednesday Agenda  WVFRF Project Team  Preview  **Aaron Titus**, Executive  Director of Crisis Cleanup |
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| **Tuesday** 5:15 – 6:30 **Social Event (appetizers**  **provided)** |

Wednesday, March 13, 2024

| **Day Time Session Location Presenter(s)** |
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| **Wednesday** 9:00 – 9:15 Day 1 Observations  Centennial **Jamie Shinn**, SUNY-ESF  Summary  and WVFRF Project Team  **Aaron Titus**, Executive  Director of Crisis Cleanup |
| **Wednesday** 9:15 – 10:15 **Cross Sector Disaster**  Centennial **Aaron Titus**, Executive  Director of Crisis Cleanup  **Simulation**  The Cross-Sector Disaster  Simulation Game simulates  cross-sector collaboration  and coordination before,  during, and after such  disasters. Each person is  assigned a role, such as  government, for-profit  company, non-profit  organization, or community  member. We coordinate  on the local, state, and  national level prior to the  disaster. Once a disaster  happens, everyone needs  to work together to ship  food, water, and medicine  within three days. Each  "day" is just a few minutes  long. The fun (and anxiety)  starts when plans,  relationships, and  competing priorities are  challenged in a high-stress,  chaotic environment.  Afterward, we debrief and  analyze the outcomes. |

| **Wednesday** 10:15 – 10:30 **Coffee & Tea Break** |
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| **Wednesday** 10:30 – 11:00 Cross Sector Disaster  Centennial **Aaron Titus**, Executive  Simulation Debrief  Director of Crisis Cleanup |
| **Wednesday** 11:00 – 12:00 Panel: Building Long-term  Centennial **Julian Levine**  Community Resiliency  (moderator), WVSOM  CRCH and WVFRF Project  Panelists:  Team  **Sarah Riley**, Executive  Director of High Rocks  **Brian Farkas**, Federal  Emergency Management  Agency Interagency  Recovery Coordinator with  WV FEMA Integration Team  Office (WVFIT)  **Debbie Sizemore**, WART  **Jenny Gannaway**,  Executive Director of West  Virginia Voluntary  Organizations Active in  Disaster (WV VOAD)  **Dave Lumsden**, Episcopal  Diocese of WV  **Robert Martin**, SRO  **Tim Keaton**, NFIP/CTP  Coordinator at WVEMD  **Ruthana Beezley**, Executive  Director of Greenbrier  Valley Economic  Development Corporation |
| **Wednesday** 12:00 – 1:00 **Lunch (provided)** Reception Hall |
| **Wednesday** 1:00 – 2:00 Breakout Session 1 -  **Jamie Shinn** (moderator),  Strengthening the WV  SUNY-ESF and WVFRF  Flood Resiliency Network  Project Team  **Julian Levine**  (moderator)**,** WVSOM  CRCH and WVFRF Project  Team |

| **Aaron Maxwell**  (moderator), WVGISTC,  WVU, and WVFRF Project  Team |
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| **Wednesday** 2:00 – 2:15 **Coffee & Tea Break** |
| **Wednesday** 2:15 – 3:15 Breakout Session 2 -  **Jamie Shinn** (moderator),  Building WV Community  SUNY-ESF and WVFRF  Flood Resiliency  Project Team  **Julian Levine**  (moderator)**,** WVSOM  CRCH and WVFRF Project  Team  **Aaron Maxwell**  (moderator), WVGISTC,  WVU, and WVFRF Project  Team |
| **Wednesday** 3:15 – 3:45 Presentation with Q&A:  Centennial **Jamie Shinn**, SUNY-ESF  Building & Maintaining the  and WVFRF Project Team  West Virginia Flood  **Robert Martin**, SRO  Resiliency Framework  **Aaron Maxwell**,  WVGISTC, WVU, and  WVFRF Project Team |
| **Wednesday** 3:45 – 4:00 **Closing Remarks** Centennial **Jamie Shinn**, SUNY-ESF and WVFRF Project Team |

**Thank you for coming! Please take our post-symposium survey by **

**scanning the QR code or visiting https://tinyurl.com/WVFRFsymposium.**