Meteorological, Hydrology and Hydraulics Initiatives Interagency Flood Risk Management (InFRM) Academic Council



InFRM Academic Council Meeting in Austin, Texas



Nick Fang, Ph.D., P.E. Philip B. Bedient, Ph.D., P.E. The University of Texas at Arlington Rice University





Jerry L. Cotter, P.E. USACE – FWD





Interagency Flood Risk Management (InFRM)

InFRM Federal Partnership

- Formal partnership between federal agencies
- Established 2014
- Common goals
 - Organize around FRM
 - Share recourses
 - Common voice
 - Collaboration, eliminate duplication

InFRM Academic Council

- Partnership with academia
 - Research
 - Reviews
- Established 2017
- Chair Phil Bedient





Home | InFRM Academic Coun 🗙

🛛 🔒 https://www.infrm.rice.edu

https://www.infrm.rice.edu



About Members Contact

... 🖂 🏠

133%



Research Themes and Expertise

Components of Flood Impact Determinations

InFRM Products and Services

- NOAA Atlas 14 (what is the 100year rainfall)
- Watershed Hydrology Assessments (what is the 100-year flow)
- Flood Inundation Map Library
- BFE Viewer (what is the BFE at any location)
- WEB services @ <u>www.InFRM.US</u>

Embracing Technology Changes

- Data and remote sensing technologies
 - Improved and higher resolution sensing networks
 - Crowd sourcing
- Computing technologies
 - Super, distributed and cloud
- Modeling technologies
 - Lumped systems
 - Distributed systems
 - 2 dimensional

