



NYS RISE Team Members Workshop

Thursday, March 27, 2014

9:50 am – 3:30 pm

Room 120, Endeavor Building

School of Marine and Atmospheric Sciences

Stony Brook University, NY 11794-5000

<http://www.somas.stonybrook.edu/about/directions.html>

Each Work Unit leader or designee is allocated 5 minutes to succinctly present methods and results to date, using no more than six slides that should be preloaded to the computer in the conference room to emailed to mark.lang@stonybrook.edu before the meeting

9:50 am Welcome, Minghua Zhang and Bud Griffis

10:00 am – 11:00 am

1. Rapid Warning Systems Enhancements

- 1) Assessment of base plans, evacuation zones, response capabilities and gaps
Bud Griffis (5 minutes)
Henry Boukniewicz (5 minutes)
5 min discussion

- 2) Scenario-driven storm flooding and evacuation planning
Brian Colle (5 minutes)
Kaan Ozbay (5 minutes)
5 min discussion

- 3) Enhancements to long-lead forecasting of extreme events
Edmund Chang (5 minutes)
David Holland (5 minutes)
5 min discussion

- 4) Rapid warning system enhancements
Brian Colle (5 minutes)
Keith Tidball (5 minutes)

5 min discussion

11:00 – 11:15 Group discussion

11:15 – 12:00

2. *Assessment of Cascading Dynamics – Interdependence of Bodies of Water, Infrastructure and ecosystem*

1) Flooding impacts on transportation

Masoud Ghandehari (5 minutes)

Chris Gobler (5 minutes)

5 min discussion

2) Flooding impacts on energy infrastructure

Martin Schoonen (5 minutes)

Francisco de Leon (5 minutes)

5 min discussion

3) Flooding impacts on wastewater infrastructure

Larry Swanson (5 minutes)

Bob Vasiliadis (5 minutes)

5 min discussion

12:00 – 12:45 Lunch

12:45 – 1:15 pm

4) Flooding impacts on drinking water systems

Rae Zimmerman (5 minutes)

Henry Boukniewicz (5 minutes)

5 min discussion

5) Storm impact on coastal ecosystem and fisheries

Chris Gobler (5 minutes)

5 min discussion

1:10 – 1:30 Group discussion

1:30 – 2:30 pm

3. *Vulnerability Assessment and Resiliency – Investment Strategies*

1) Prioritization of Storm Hazards and Critical Facility Vulnerabilities

Larry Swanson (5 minutes)
George Deodatis (5 minutes)
5 min discussion

- 2) Vulnerability assessment of communities in the New York Rising CRZ programs
Judd Schechtman (5 minutes)
5 min discussion

- 3) Assessment of economic vulnerability and investment strategies targeting coastal and inland flood-prone communities
Peter Loucks (5 minutes)
Larry Swanson (5 minutes)
5 min discussion

- 4) Resilience Metrics for Infrastructure Investments
Constantine Kontokosta (5 minutes)
Guodong Sun (5 minutes)
5 min discussion

2:25 – 2:40 Group discussion

2:40 – 3:10

4. *Storm and Environmental Risks Under Climate Change*

- 1) Improved evaluation zone modeling
Minghua Zhang (5 minutes)
Kaan Ozbay (5 minutes)
5 min discussion
- 2) Integration of multiple monitoring systems targeting coastal zones
Chris Gobler (5 minutes)
Rae Zimmerman (5 minutes)
5 min discussion

3:10 – 3:20 Group discussion

3:20 – 3:30 Action items