

COMMUNITY RESILIENCE WORKING MEETING HIGHLIGHTS

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Climate Resiliency Workgroup Meeting
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Informing Community Resilience Efforts

- **A Best Practices Guide for Local Governments in VA: Developing Protocols for an Expanded Approach to Strategic Relocation Using “Lessons Learned” From Other Communities (Elizabeth Andrews, UVA)**
 - Fostering full-community resilience planning at the local level;
 - Minimizing the flooded areas from which communities must retreat; and
 - Enabling economic drivers to support planned relocation when it becomes necessary.
- **Baltimore Climate Vulnerability Assessment (Amy Freitag, NCCOS)**
 - Social Vulnerability (downscaled and updated); Structural Vulnerability (schools, farms, worship, zoning, stormwater, etc.); Natural Resource Vulnerability
 - Combined flooding (Stormwater, Sea level rise, Cat 4 storm surge); Urban heat
 - Combination analysis: Impact of natural infrastructure and restoration on culturally valuable sites; Policy and engineering thresholds of vulnerability and risk layers visualized
- **3D Mapping and Climate Communication (John Wolf, USGS)**
 - Climate Impacts are well suited to 3D visualization (applications should be local, visual, and connected)
 - 3D mapping increasingly available throughout Bay watershed
 - 3D offers an immersive experience for local engagement
 - However, tradeoffs exist between 2D and 3D

Reimagining Community-Centric Adaptation Framework

- Key thoughts on community engagement include:
 - Should be the first step in adaptation planning
 - Trusted sources/ members of the community are important
 - Revisit community engagement throughout the process; create parallel framework solely focused on community engagement steps
- Understanding funding sources could inform plan development



Data, Metrics, and Tools

- Common factors to inform community resilience decision-making:
 - Finer-scale data
 - Community-specific, local and regional data sources
 - Inclusion of social vulnerability metrics
 - Prediction ability, scenario evaluation
 - Visualization of local changes
- Other thoughts:
 - Co-production of data/tools with communities
 - Understanding local governments' and communities' ability and capacity to find and use tools
 - Amount of tools and how to use them is overwhelming
 - Training liaisons could be helpful in tool usage
 - Funding limitations for training and communication of tools

Thresholds and Tipping Points

- Approach communities with sensitivity
 - Take away immediacy or urgency
 - Take time to build trust before having conversation
 - Utilize visualizations, but do so judiciously
 - Realistic visualizations could lead to action when there is trust with the community
 - Seek to understand history of community/ culture
 - Make sure to have options/solutions/strategies in mind
 - Community-preferred solutions do not always align with natural resource priorities
- Identifiable tipping points
 - Limitations of current infrastructure
 - Repeated loss/ insurance limitations/ economics of various solutions
 - Ask each specific community; thresholds are individualized
 - Duration and timing of impacts can inform thresholds to shift adaptation strategies

Follow-Up Actions

- Reviewing guidance document from Elizabeth Andrews's effort
- Inviting Amy Freitag back to present on her team's final product from the effort in Baltimore
- John Wolf is soliciting beta-testers for his 3D visualization effort
- Currently working on detailed meeting minutes and summaries of meeting