A Little Less Conversation…

…a Little More ACTION!

Louie Greenwell, GISP, CFM – T&M Associates
Carey Johnson – KY Division of Water
• It’s all about ACTION!

• Kentucky’s plan for delivering actions that reduce risk
Actions are vital to Risk MAP success

FEMA Headquarters and Regions are measured

Kentucky is a partner

Focused on the outcome…not the metric

Get out in front and develop a strategy
**Action Strategy**

**VISION SESSIONS**
- Meet with various stakeholders
- Ask a lot of questions
- Cast a wide net

**PARTICIPATION FRAMEWORK**
- Role in a Risk MAP project
- Contributions towards actions
- Inputs and outputs

**IMPLEMENTATION STRATEGY**
- Who
- What
- When
- How
Visioning Sessions
Part 1

Provide examples of effective actions

• What worked well?
• What were the political, environmental, financial conditions at the time?
• How were actions accomplished?
• What were the challenges?
• How were those addressed?
EXAMPLES OF EFFECTIVE ACTIONS

• Structure acquisition/buy-outs/relocation
• Stream improvements
• Flood forecasting
• Green infrastructure
• Permeable pavement
• Rain gardens
• Green streets
• CSO separation
• Dam mitigation
Success Factors

- Recent disaster or major flood event
- Local/State funding alternatives
- Local champion/sponsor
- Popular to be “green”
- Compliance
- Political support
- Interagency cooperation
- Risk was obvious to property owners
- Linkage to other efforts (roads, CSO)
Provide examples of failed attempts

- What didn’t work so well?
- What were the political, environmental, financial conditions at the time?
- What were the barriers?
Perceived Factors

- People forget about the flood
- Sense of heritage / tradition
- Politicians are like “fruit flies”
- Ignorance
- Economics vs public safety
- Multiple agencies responsible for flooding, storm water, etc.
- Disagreement on priorities
- Not enough data
- Time delays – loss of momentum
CULTURE FOR SUCCESSFUL ACTIONS

- You have their attention
- Local champion(s)
- Funding source
- Understanding of risk
- Alignment with community goals
- Good projects
- Sense of urgency
- There is a plan
- Partners are in agreement
Participation Framework

- Identify partners
- Define responsibilities
- Encourages ownership
Identified Partners

- FEMA
- KY Division of Water – CTP
- KY Division of Water – Floodplain Management
- KY Division of Water – Dam Safety
- KY Emergency Management
- US Army Corps
- NRCS
- USGS
- Other Federal Agencies
- KY Transportation Cabinet
- KY Department for Local Government
- KY Area Development Districts
- Other KY Agencies
- Local Communities
### Project Categories

<p>| 01 | Projects that reduce the size or shape of the flood hazard (basin, floodwall, channel re-alignment) |
| 02 | Projects that reduce the risk or impact of the hazard on life &amp; property (property acquisition, elevation, flood proofing) |
| 03 | Policies or regulations that protect life and property from flooding (higher regulatory standards, development overlays, etc) |
| 04 | Outreach to residents and businesses that may be at risk of flooding (signage, mailings, etc) |</p>
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<th>Phases</th>
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WHO’S ON FIRST?!
### Local Flood Hazard Reduction Projects (Detention, Channel Realignments, Levees, etc.)

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### Local Risk Reduction Projects (Structure Acquisition, Elevation, Floodproofing, etc.)

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### Local Policy (Higher Standards, Development Overlays, Outreach, etc.)

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Implementation Strategy

- When…?
- Who…?
- What…?
- How…?
Implementation Strategies

- Make flooding relevant
- Community Engagement
- Continuous, not one & done
- Foster the right culture
- What gets measured…

- Ask the right questions
- Leverage existing relationships
- Risk MAP life cycle & beyond
- Everyone has a role
- Measure the outcomes
Questions?