**COMMUNITY WORKSHOP SERIES** *LESSON PLAN*

*Data and Storytelling Module*

**\*READ ME FIRST\***

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*COMMUNITY WORKSHOP SERIES LESSON PLAN*

| *DATA & STORYTELLING MODULE*  FloodNet Community Engagement Tool | | | |
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| **Facilitator(s)** | CEM/CERA  Project Manager  Invited Guest Facilitator | **Date** | Depending on community partner |
| **Duration** | 1.5 hours | **Delivery Method** | In-Person |
| **Module Description** | In this module, community participants engage in a co-learning experience that supports community-led data analysis. Community participants are led through learning activities that facilitate their ability to interpret flood sensor data and communicate their findings through creative storytelling. The stories both highlight participants’ lived experiences with flooding in their area and offer qualitative information to contextualize flood sensor data. | | |
| **Materials & Resources** | Chart paper  Pens/Pencils  Markers  Laptop\*\*  Session Handout(s):   1. Quick sheet including vocabulary, discussion questions, and assessment/check for understanding. 2. Printouts of data dashboard for specific flood events that have been most impactful in NYC (and covered media).    1. Example: Flooding on September 29th (Ophelia) 3. Dashboard Checklist (list of identified key features on the platform.)   \*\*Other devices can access the FloodNet data dashboard but a laptop is preferred due to the user experience currently available. | | |
| **Learning Objectives** | At the end of this module, participants will be able to:   1. discuss, assess, and reflect on their personal experiences with flooding in their neighborhoods; 2. engage in quantitative data review and basic analysis | | |
| **Vocabulary** | Narrative  Storytelling  Flood Sensor  Flooding  Depth  Data/data collection  Analysis | | |
| **Check-In** | Share-out: What tools do you currently use to understand and learn about your neighborhood? What community resources do you know of that help you share news and information about neighborhood issues to others? | | |
| **Community & Classroom Guidelines** | Together, we will set and commit to 3-5 community and classroom guidelines to inform how we interact with one another in the learning environment; inform the norms, protocols, and procedures that we honor when communicating; and shape an overall co-learning experience. | | |
| **Procedure** | 1. As part of opening the learning experience, facilitate two pre-lesson activities: a check-in/icebreaker and establishing community guidelines. These activities are described above and will serve to ground the group in the context and explorative thinking necessary for discussion. Results from the activities will be written on chart paper and displayed. Explain that we will use the ideas shared in the check-in as a reference point. 2. Offer a brief introduction to what flooding is impacting the neighborhood (including highlights of past flood events for which we have data and may be represented in accompanying data print-outs), and key terms needed for the day. 3. Group Dialogue 4. Provide an overview of the FloodNet technology and data dashboard. 5. Ask participants to split into small groups and begin learning about the data dashboard and its features. Participants will use a dashboard checklist to follow along and identify key features on the platform. 6. Return group’s attention to the facilitator for a deeper dive into past flood events, including a discussion on the impact on NYC and their personal anecdotes about the events. 7. Ask students to break into groups of 3-4 and complete core activity described below. Module facilitators will go around to groups and ensure a good understanding of the printout data provided. 8. Engage in a share-out of activity (participant-wide dialogue and reflection). 9. After participant-wide dialogue and reflection, have students individually engage in their assessment (described below). 10. Facilitate closing and end remarks. | | |
| **Activity** | In groups of 3-4, participants will review printouts of FloodNet dashboard data from a past flood event (that has also been covered in the media). Groups should expect to discuss the below questions and write down their ideas, thoughts, and questions.   1. What do you see on the data? 2. What does this information tell you about the conditions on the street in question? 3. Look up this event on your device. Does the data tell a story similar to what you have found in your online search? 4. How could you use this data to speak to your neighbors? Local politicians? Community groups? | | |
| **Assessment** | Write a short story based on your understanding of the data you reviewed, group discussion, and your experience during the flood event in question. The goal is to convince a selected audience of a message of your choosing. Participants choose their own audience and use this to guide their writing and their tone.  Potential message(s):   * More engagement with weather * Raising awareness about climate change * Neighborhood level improvements * Education about flooding and flood impacts * Advocacy for more tools to respond to flooding * Use of data in social media and other marketing   Potential audience(s):   * Parents and neighbor * Your school principal * Your local council member * The DEP Commissioner and the NYC Mayor | | |
| **Closing** | Based on our discussion, review, and reflection, what are your final takeaways about the relationship between flooding, your experience, and your research?  End remarks: Final narratives can be shared with the leadership of the community partner hosting the module. | | |
| **Continued Learning** | Encouraged participants to continue engagement after the workshop with FloodNet Sensor Suggestion Form and the Data Dashboard. | | |
| **FloodNet Team Reflections** | Facilitators should document their reflections at the end of each workshop module. What worked well? What could be improved? Were there any key community priorities noted? | | |

**Additional Resources for Facilitation:**

* [**https://www.weather.gov/okx/HistoricFlooding\_081314**](https://www.weather.gov/okx/HistoricFlooding_081314)