

Community Resilience Panel: Data, Metrics, & Tools (DMT) Standing Committee Meeting

MEETING DATE: Thursday, March 9, 2017

TIME: 2:30 – 5:30 PM EST

ISSUE DATE: August 4, 2017

ATTENDEES:

Attendee	Affiliation
Megan Clifford [Chair]	Argonne National Laboratory
Paolo Bocchini [Vice-Chair]	Lehigh University
Ting Lin [Secretary]	Marquette University
Aaron Marks	Dynamis, Inc.
Charlene Milliken	National Academies of Sciences, Engineering, and Medicine
David Bonowitz	NCSEA
Floyd DesChamps	The Desner Group, LLC
Frank Lavelle	ARA
Jay Raskin	Jay Raskin Architect
Jordanna Rubin	CB&I
Ken Harrison	NIST
Mat Heyman	Impresa Management Solution
Molly O'Donnell	Boulder County Collaborative
Prasith Baccam	IEM

DISTRIBUTION: Attendees and Data, Metrics, & Tools Standing Committee

NOTES BY: Ting Lin, Marquette University

1. Welcome

Megan Clifford (Chair) called the meeting to order, provided a brief overview of DMT, welcomed new members, and thanked attendees for their participation and contributions.

2. Meeting Logistics

The DMT committee documents, including past meeting minutes (see “1. Meetings”) and member contributions (see “3. DMT Links & Documents”), are shared among members via Dropbox. The folder related to this meeting is “1. Meetings\i. 09Mar2017_Miami, FL.”

Megan proposed a motion to approve the January 27, 2017 Meeting Minutes. The committee unanimously approved (see “DMT Committee Meeting Minutes 1-27-17_DRAFT”). Prior approved meeting minutes are also posted on the CRP website (https://crpanel.nist.gov/?page_id=710).

Megan reviewed the March 9, 2017 Meeting Agenda and proposed a motion. The committee unanimously approved the agenda (see “DMT Committee Meeting Agenda_3-9-17_DRAFT”).

3. DMT Reviews, Recommendations, and RKB Feedback

The main **objective** of this meeting is to test drive DMT's *initiated* and *requested reviewer* roles and responsibilities, applying RKB Taxonomy and Energy Criteria to the following three materials selected by the DMT committee for review on the January 27, 2017 meeting, to vote to recommend (or not) for inclusion in **RKB**. DMT committee review prior to this meeting and feedback on RKB taxonomy are shared as "*Reviewer Comments*" and "*RKB taxonomy feedback*" respectively, with contributors listed in "*Working group preferences & Volunteers.*" Summary of committee discussions are reported out to the CRP in the attached "*Report-Out_DMT.*"

A. Summary article that is metrics related and published by research entity: *NRC-community_resilience_framework_wkshop_report_0115*

DMT Coordinator: Ting Lin

Title: Developing a Framework for Measuring Community Resilience: Summary of a Workshop

By: Committee on Measures of Community Resilience: From Lessons Learned to Lessons Applied from Resilient America Roundtable, Policy and Global Affairs Division, National Research Council (NRC) of the National Academies

Summary: Building upon the 2012 Disaster Resilience: A National Imperative NRC report recommendation, this workshop aims to develop a framework of resilience measures and indicators that could be implemented across a range of communities to support communities in increasing their resilience. Four critical dimensions were identified and addressed by the committee: 1) vulnerable populations; 2) critical and environmental infrastructure; 3) social factors; and 4) built infrastructure.

B. Research that is data/results related and published by a local community: *DMPHP-LACo_disaster_resilience_project_0816*

DMT Coordinator: Paolo Bocchini

Title: The Road to Resilience: Insights on Training Community Coalitions in the Los Angeles County Community Disaster Resilience Project.

By: Cha BS, Lawrence RI, Bliss JC, Wells KB, Chandra A, Eisenman DP. Disaster Med Public Health Prep. 2016 Dec;10(6):812-821. doi: 10.1017/dmp.2016.46. Epub 2016 Aug 11.

Summary: This is a scientific paper reporting preliminary results from the Los Angeles County Community Disaster Resilience (LACCCR) Project. Therefore, it is an example of how concepts related with resilience can be applied in practice. In particular, the paper focuses on the role that local health departments can have in training the population in general, and some operators in particular, to be better prepared for continuity of operations and enhanced disaster recovery. This interesting paper does not focus on infrastructure systems, but on social and operational aspects, and while the methodology is rigorous, the outcome is mostly qualitative.

C. Tool for data and mapping resources developed by a Federal government entity:

<https://enviroatlas.epa.gov/enviroatlas/InteractiveMapEntrance/InteractiveMap/index.html>

DMT Coordinator: Megan Clifford

Title: EnviroAtlas

By: The U.S. Environmental Protection Agency (EPA)

Summary: EnviroAtlas provides interactive resources for exploring the benefits people receive from nature or “ecosystem goods and services” (EGS). EGS are critically important to human health and well-being, but they are often overlooked. EnviroAtlas allows users to access, view, and analyze diverse information to better understand the potential impacts of various decisions. See <https://www.epa.gov/enviroatlas> for more information.

Directions: Please start by accessing our mapping application: <https://enviroatlas.epa.gov/enviroatlas/InteractiveMapEntrance/InteractiveMap/index.html>. When it has loaded, click on the phrase, “Ecosystem Services and Biodiversity” in the strip above the map, and select “Community N - Z” from the pull-down menu. Then click on the “Portland, OR” strip. A table of contents will unfold; click on various benefit categories to see classes of maps. Keep clicking on “+” signs to unfold all the way to the map layers. Some are duplicated in the table of contents because they relate to multiple benefit categories. When you get to empty check boxes, place a check in one at a time to view the maps. You can look at a variety of maps beside Portland.

4. New Business

Megan thanked the DMT committee for their active participation and shared committee feedback via the CRPCC meeting on March 9, 2017 and the CRP report out on March 10, 2017.