**Commission for Environmental Cooperation (CEC):** 

## Development of a Framework to Improve the Environmental Health of Vulnerable Communities in North America

**TRI National Training Conference** 

May 2014

FOR CONFERENCE/TRAINING PURPOSES ONLY

## THIRD STATES

- Fall of 2010: Commission for Environmental Cooperation (CEC) announced it would fund projects to improve environmental health of vulnerable communities in North America.
  - Done under CEC's 2010-2015 Operation Plan (OP).
  - A priority OP area is healthy communities and ecosystems.
    - A major theme of which is protection of human health (particularly vulnerable subpopulations) and strengthening of communities.
- CEC solicited project proposals to fund under its OP priority areas.



- EPA submitted a project proposal related to vulnerable communities:
  - Develop a framework for building capacity among individuals throughout North America to make more informed decisions about how to protect their health from environmental contaminants and global hazards.
  - Place particular emphasis on vulnerable populations.



- Proposed framework would:
  - Identify/discuss factors necessary to assess a community's vulnerability to environmental contamination.
  - Be used as the foundation for developing different types of products and tools for accessing and analyzing data, and making informed decisions.

# UNITED STATES

- Framework must have trilateral utility.
- Intended end users of the Framework:
  - Government organizations
  - Risk assessors
  - Tool developers
  - Public interest groups
  - Individuals

# TOTOL TOTO

- Project was approved and funded.
- Project was among those discussed in July 2012 at CEC's Joint Public Advisory Committee (JPAC) meeting and Council Session to North America's environmental ministers:
  - Peter Kent (Canada's Environment Minister)
  - Juan Elivra Quesada (Mexico's Environment Secretary)
  - Lisa P. Jackson (U.S. EPA Administrator)
- Was well received at JPAC/Council Session meeting.



## **Development of Framework**

- Conducted by CEC, under CEC's procedures
  - Steering Committee (trilateral representation)
    - Canadian, Mexican, U.S. governments
  - Advisory Group (trilateral representation)
    - NGOs from Canada, Mexico and U.S.
  - Analytical Blueprint



## Framework Development: Workshop

- Stakeholder workshop held Nov. 1-2, 2012
  - Involved 20 participants
    - Diverse regions of North America
    - Range of professional backgrounds
- The group collaborated to:
  - Identify and discuss possibilities for the framework's key objectives, audiences, form and content.
  - Identify the factors necessary to assess a community's vulnerability to environmental contamination.



## Workshop Process Overview

What was the experience?







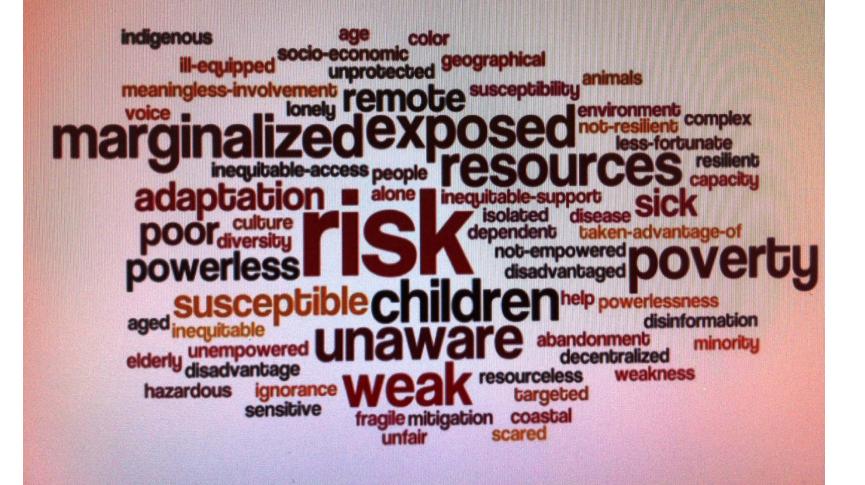






#### What words represent "Vulnerable"?

Word size corresponds to frequency of that word as selected by participants





#### What words represent "Community"?

Word size corresponds to frequency of that word as selected by participants







## Framework Outline

Draft document structure

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VIIII



## Framework Content

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Key ideas for the document's sections and sub-sections



## Framework User Personas

Who might use this and what would they need? How might the document be structured and distributed?



## Framework Stategy What should the content, form and distribution be for maximum community

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## Development of a Framework Document

to Assist Communities in the Characterization of Vulnerability to Environmental Contamination

Documentation from the multi-stakeholder workshop organized by the CEC Secretariat

Toronto, Ontario, Canada Nov. 1-2, 2012 Event hosted by: Commission for Environmental Cooperation <u>www.cec.org</u>

Collaborative process and report document designed by: The Noment www.TreMoment.ts



## Framework Development: Drafting

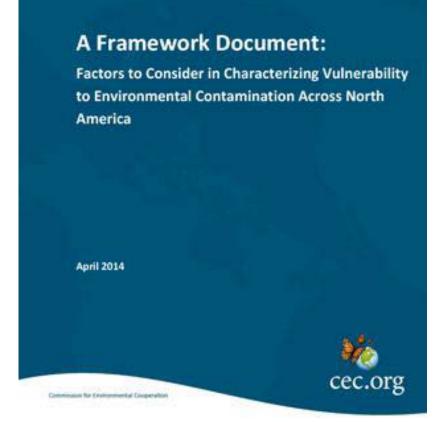
- Drafting of Framework followed the workshop:
  - Led by Dr Mario E Rivero-Huguet
    - Used the workshop summary document as the basis
    - Many workshop participants contributed



## Framework Development: Release

- Final version of Framework document translated into:
  - English
  - Spanish
  - French
- Scheduled to be released by CEC by May 2014.





http://www3.cec.org/islandora/en/item/11492-framework-document-factors-consider-in-characterizing-vulnerability-environmental

May 2014



## Framework Highlights

- Factors are grouped under four key properties of vulnerability to contaminants:
  - Degree of exposure
  - Susceptibility to the harmful effects caused by a chemical
  - Preparedness
  - Responsiveness (ability to recover)









## Framework Highlights

- Emphasizes the importance of considering:
  - Chemical stressors
  - Non-chemical stressors
  - Community priorities
- Appendix B provides a list of tools that can be used to:
  - Assess vulnerability
  - Serve as models to develop new, targeted tools to assess vulnerability



## **Framework Highlights**

- Examples of some of the factors:
  - Proximity to chemical release
  - Age
  - Sex
  - Race/ethnicity
  - Genetic susceptibility
  - Income
  - Socioeconomic status
  - Many more included in Framework document



#### Next Steps

- CEC will:
  - Promote availability of the Framework
  - Encourage its use/application
- Consider proposing new project(s) under future CEC operation plans to apply the Framework to new versions of existing tools, or to build new tools.
- Possibly accompany our TRI data/tools with the Framework.
  - Link from "TRI Resources for Communities" webpage.
- Consider using the Framework as an information source in future modifications to our analytical tools.



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