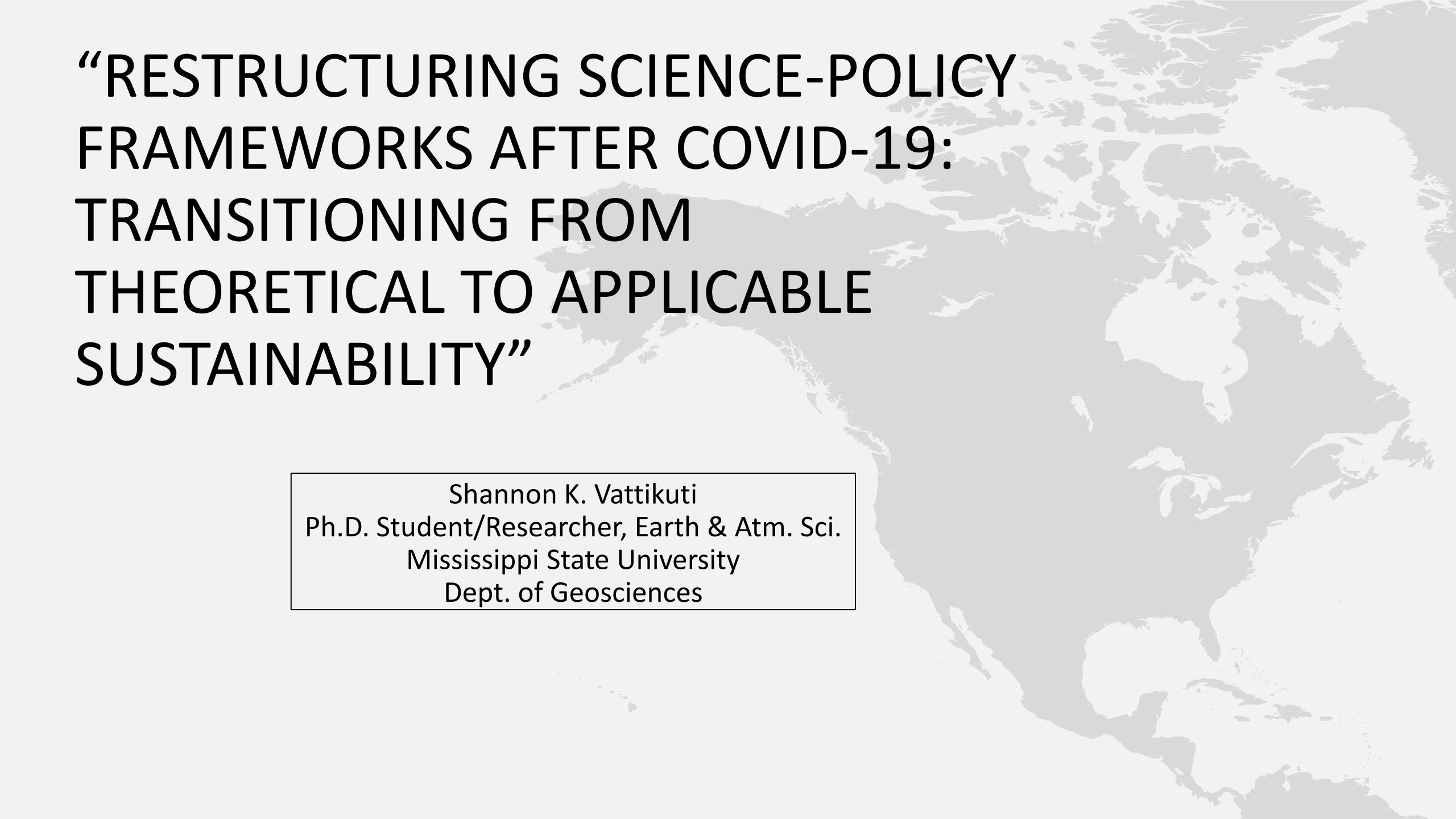


“RESTRUCTURING SCIENCE-POLICY FRAMEWORKS AFTER COVID-19: TRANSITIONING FROM THEORETICAL TO APPLICABLE SUSTAINABILITY”

A faint, light gray world map is visible in the background of the slide, centered behind the text.

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DECLARATIONS OR CONFLICTS

NO CONFLICTS OF INTERESTS DECLARED WITH THE DATA AND MATERIALS USED IN THIS PRESENTATION.

- A portion of the material being presented has been submitted as an abstract to the American Geophysical Union's (AGU) Fall Meeting 2020. *"The Great Green Reset of Global Economies: A Golden Opportunity for Environmental Change and Social Rehabilitation"*; Session SY005. Beyond Statistics: Providing Science-Based Guidance to Support Resilient Investment in an Uncertain Future. Abstract ID# is: 771961. Submitted 07/29/2020.

RE-ENGINEERING SCIENCE-POLICY FRAMEWORKS: A MOTIVATING ARCHITECTURE PROMOTING FUTURE EQUITY

Personal Statement:

- Science-Policy Frameworks can be viewed as:
 - a) Logical & 'Common-Sense' standards between humans, nature, biodiversity, and Earth's finite resources
 - b) Equitably Fair Science-Policy:
 - i. Benefits the general public's health regardless of their socioeconomic status
 - ii. Informs and educates citizens of all ages
 - iii. Promotes socially and monetarily feasible environmental protection, reclamation, and transformative restoration

*"WE WILL ONLY CHANGE IF
WE WANT TO CHANGE"
His Royal Highness Charles,
Prince of Wales, 06/05/2020, World
Economic Forum: The Great Reset*

Founders of the National Academies
of Science, Engineering, and Medicine



...AS SCIENCE-POLICY PROTOCOLS AND CONTINGENCIES INEVITABLY SURPASS AND OUTPERFORM THE LEGISLATIVE, EXECUTIVE, AND JUDICIAL BRANCHES OF GOVERNMENTS WORLD-WIDE POST ~2050 A.D.

- Science-policy begins to govern legislation directly correlating the consequences between anthropogenic disruption and global climate change
- Transparency should be self-evident to the public when drafting and implementing Science-Policy
- Science-Policy Frameworks should be a regional to global standards.
- Science-Policy is constructed around unbiased science

EU context – water scarcity



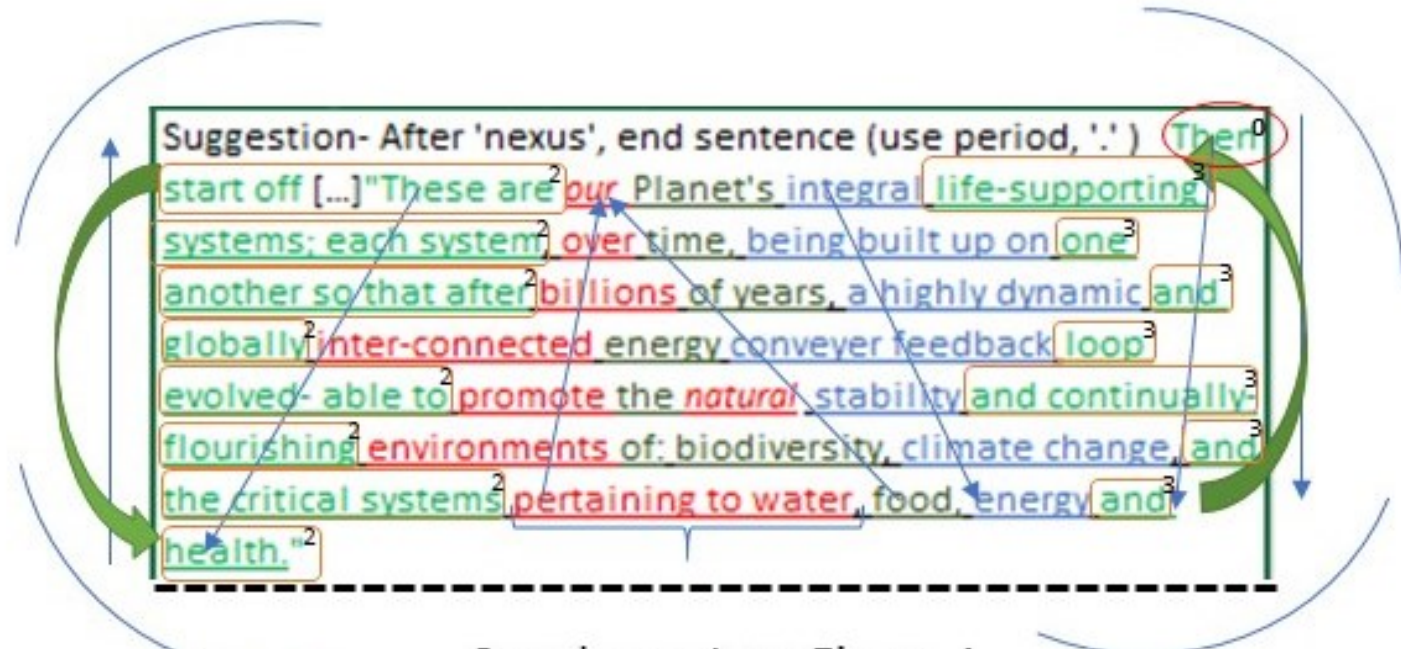
Annual water stress for present conditions and projections for two scenarios



- European Energy Agency, 2012, [*Annual water stress for present conditions and projections for two scenarios*](#)

{[=Imaginary ∞ Boundary=]}

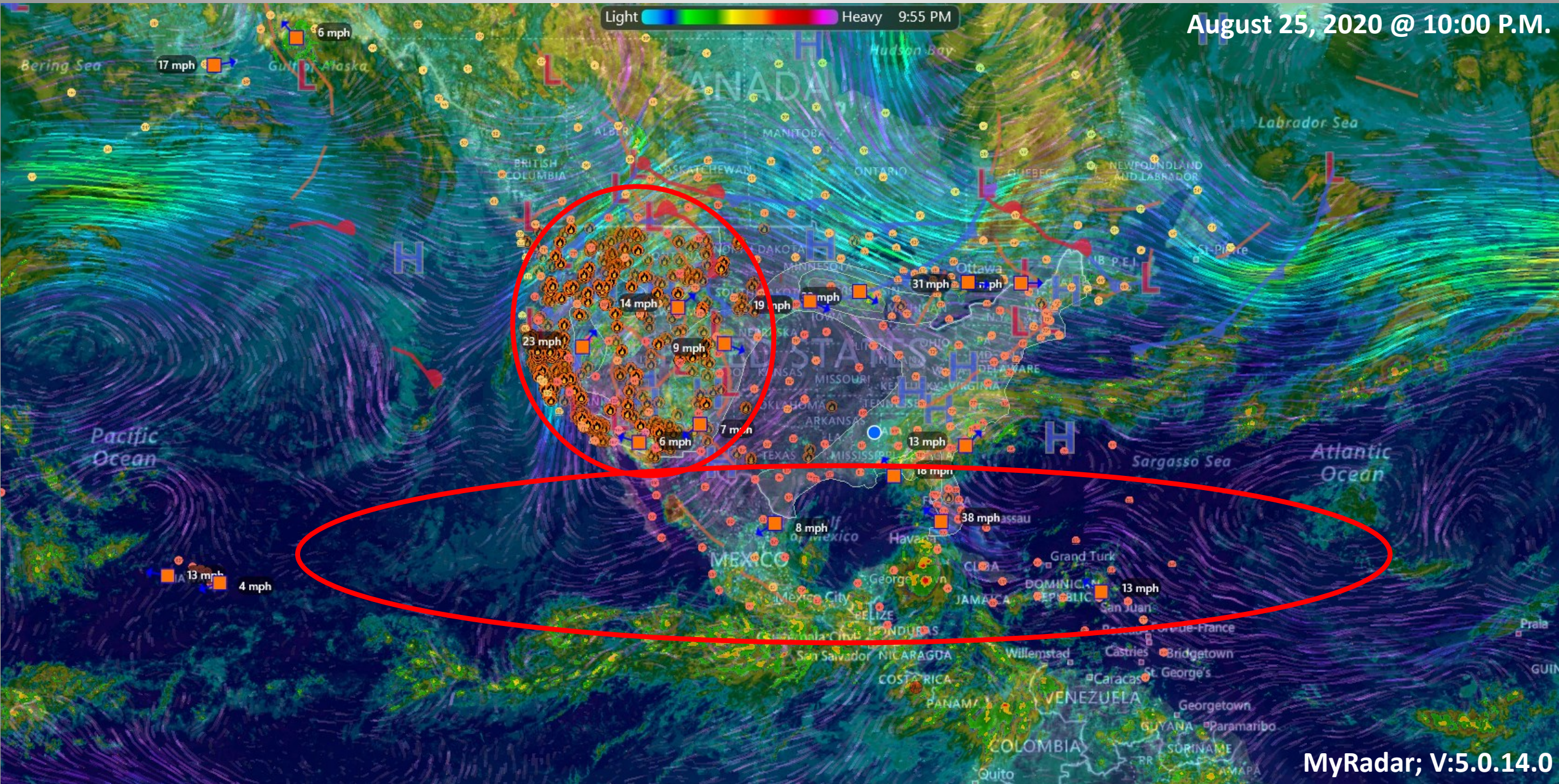
Theoretical Science-Policy Framework Architecture



OUTLOOKS

- Re-engineering global science-policy framework architectures to revolve around an environmentally sustainable, equitably fair, long term and stable circular economies are the hallmarks of the Fourth Industrial Revolution.
- Operating guidelines of world leaders, intergovernmental agencies, and policy makers alike will have to come to a common understanding and theme, "That we are all in this together".

A PREVIEW OF WHAT'S TO COME...



ACKNOWLEDGEMENTS:

- United Nations & World Health Organization
- GEO Health CoP
- IPBES (Intergovernmental Sci.-Pol. Platform on Biodiversity & Ecosystem Services)
- American Geophysical Union (AGU)
- Mississippi State University (MSU), Attending Institution



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Thank You



National Institutes
of Health

Questions & Comments?



*Empowered lives.
Resilient nations.*



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