Multi-year Expert Meeting on Transport, Trade Logistics and Trade Facilitation 8th Session

Climate Change Adaptation for Seaports in Support of the 2030 Agenda for Sustainable Development

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Advancing Climate Resilience for Global Seaports: Insights from a Decade of Applied Research

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Climate change presents big challenges



Hurricane Sandy photos courtesy Mary Lee Clanton, Port of NYNJ

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Sea levels to rise 0.5 1.9 meters by 2100

1-in-3 year storm event of 2100 Increased precipitation

(Bender et al. 2010; Grinsted et al. 2013; Rahmstorf 2010; Emanuel 2013; IPCC 2012; Tebaldi et al. 2012)

















"The only way that we have been able to achieve [adaptation] is through getting funding through the federal government." (*Port Director*)

McLean, E. & Becker, A. (In Prep). "Advancing seaport resilience: Strategies to overcome decision making barriers."





Two key messages:

1. Policy makers should support the development of flexible sea level rise regulatory guidance documents for infrastructure engineers

2. Direct <u>funding to support</u> <u>collaboration</u> for long-term resilience planning



Bonus key message:

Develop credentialed <u>training programs</u> for climate change assessment for infrastructure practitioners (e.g., port staff)



13









