Joint UNECE-UNCTAD Workshop:

Climate Change Impacts on International Transport Networks

08 September 2010, Geneva

Climate Change: An Adaptation Challenge for US Transportation

Presentation by

Mr. Mike Savonis
US Department of Transportation

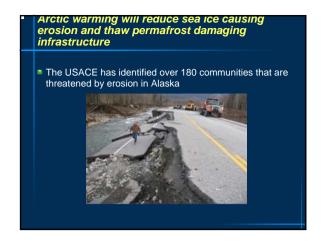
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UNCTAD – UNECE Climate Change Workshop

Climate Change: An Adaptation
Challenge for US Transportation

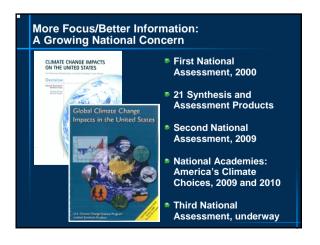
Mike Savonis
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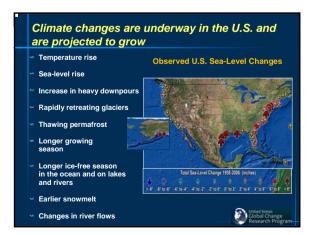
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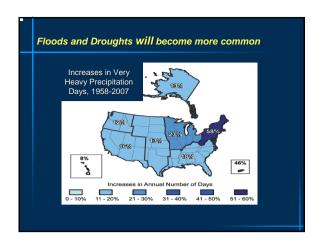


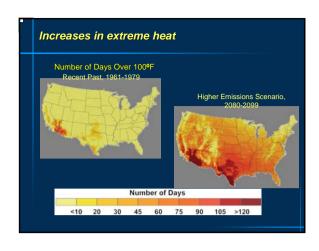




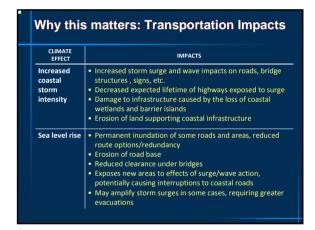






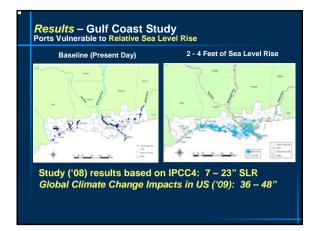


CLIMATE EFFECT	IMPACTS
Higher high	Asphalt deterioration
temperatures,	Thermal expansion of bridge joints, paved surfaces
more hot days	Changes to biodiversity (impacting pest management, wetlands commitments)
	More night time work, longer construction season
	Pavement & structural design changes
Wind speeds	More frequent sign damage, truck rollovers
	 Changes to testing of and design factors for wind speed
	Need for stronger materials
More	Loss of visibility, lane obstruction
frequent,	Increase in weather-related delays, traffic disruption
intense	Increased flooding of roads, evacuation routes
precipitation	Increased peak stream flow could affect scour rates,
	influence size requirements for culverts
	Standing water could affect structures adversely

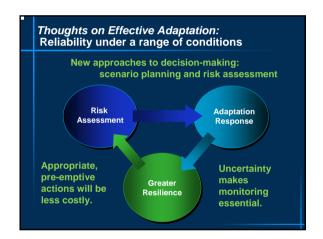


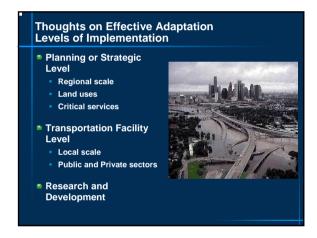












US Climate Change Adaptation Task Force

Managed by the President's Council on Environmental Quality

Initial Workgroups:
Agency adaptation; international; science; insurance; water
Expanded topics: urban, health, ecosystems, etc.

Working on recommendations towards a national strategy in October, 2010
Focused on US Government actions