UNCTAD National Workshop Saint Lucia 24 – 26 May 2017, Rodney Bay, Saint Lucia

"Climate Change Impacts and Adaptation for Coastal Transport Infrastructure in Caribbean SIDS"

Perspectives on Climate Change and Disaster Risk Management in Coastal Transport Infrastructure in the OECS

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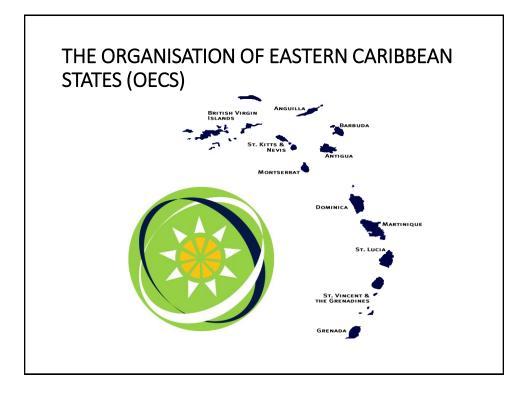
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PERSPECTIVES ON CLIMATE CHANGE AND DISASTER RISK MANAGEMENT IN COASTAL TRANSPORT INFRASTRUCTURE IN THE OECS



UNCTAD National Workshop Saint Lucia "Climate Change Impacts and Adaptation for Coastal Transport Infrastructure in Caribbean SIDS", 24th – 26th May 2017

E. Crispin d'Auvergne, Organisation of Eastern Caribbean States (OECS) Commission



SEA PORTS IN THE OECS

- Caribbean sea ports are effectively segregated into three categories:

 oglobal hub ports,
 osub-regional hub ports
 oservice ports
- All OECS (main) ports fall into the latter category
- There are also smaller ports and terminals serving, among others:

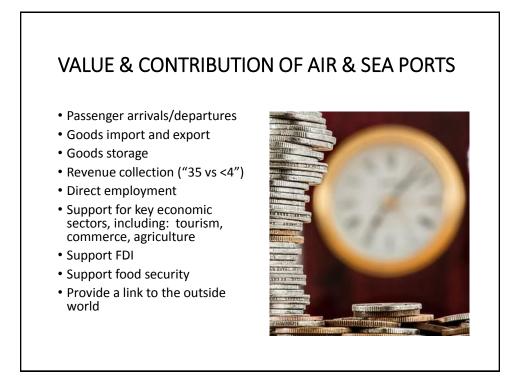
 oyachts
 osmall fishing vessels
 oferries

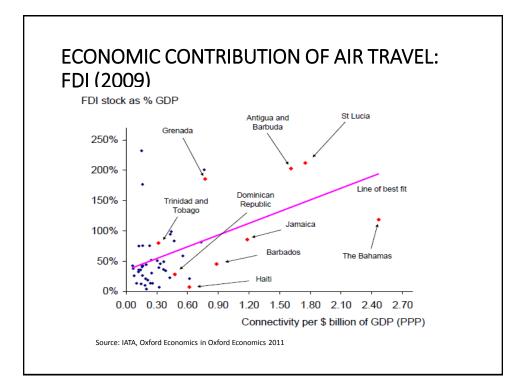


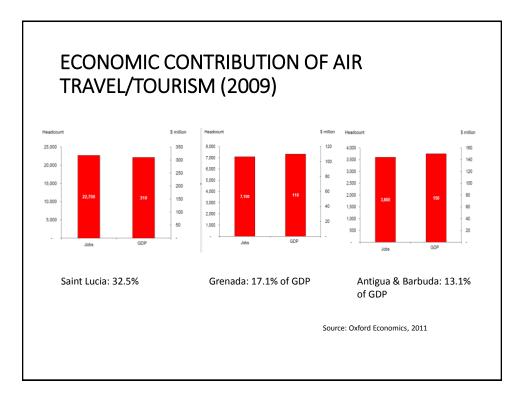




AIRPORTS IN THE OECS	
MEMBER STATE	NUMBER OF AIRPORTS
Anguilla	1
Antigua & Barbuda	3
British Virgin Islands	4
Dominica	2
Grenada	3
Martinique*	1
Montserrat	1
St. Kitts and Nevis	2
Saint Lucia	2
Saint Vincent and the Grenadines	6
TOTAL	25



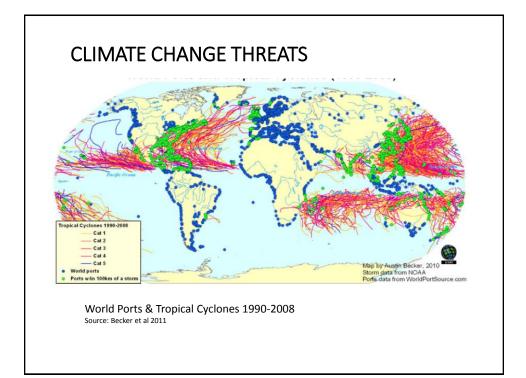




CLIMATE CHANGE THREATS

- Storms
- Sea Level Rise
- Coastal Flooding
- Elevated Temperatures
- Drought







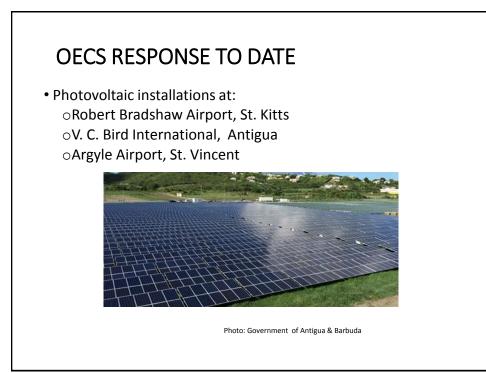
EXPOSURE

- All sea ports at risk by virtue of location
- Several airports at risk due to location near the sea and/or in flood-prone locations, e.g.:
 - Hewanorra and GFL Charles, Saint Lucia
 - Douglas-Charles, Dominica



OECS RESPONSE TO DATE

- Few climate-focused structural measures have been implemented to date and sometimes reactive:
 - Port Zanté cruise ship terminal, Saint Kitts & Nevis (3rd time around)
 - New cruise ship berth at Pt. Seraphine, Port Castries?
 - Argyle International, Saint Vincent & Grenadines?
 - Study for Hewanorra International, Saint Lucia



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APPROACHES TO BUIDLING RESILIENCE



- Adopt longer planning horizons for port development
- Use appropriate science in planning and design
- Site new air and sea ports to minimise climate risk
- Reduce reliance on external utilities through improved water storage, energy efficiency and use of renewable energy
- Design and build/rebuild in support infrastructure (roads, etc.)
- Diversify transport options to the extent possible (e.g. ferry services)
- Develop continuity-of-business (COB) plans

PARTING MESSAGES

- Air and sea transport are vital to the socioeconomic wellbeing of OECS Member States and the absence of alternative forms of international connectivity underscores the importance of associated infrastructure
- Climate change poses significant risks to coastal transport infrastructure
- Opportunities exist for building resilience in coastal transport infrastructure
- Building resilience will require a non-traditional, long-term and holistic approach
- Proactive adaptation more cost-effective than reactive measures





THANK YOU