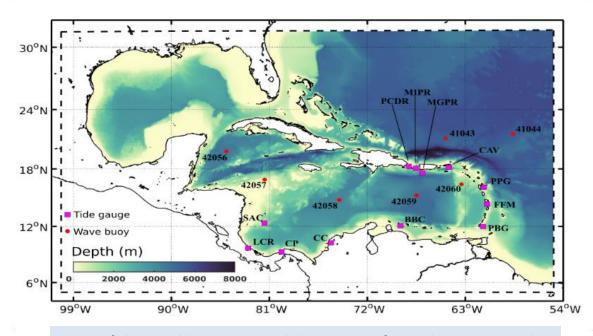
Developing future sea level services for Small Island Developing States

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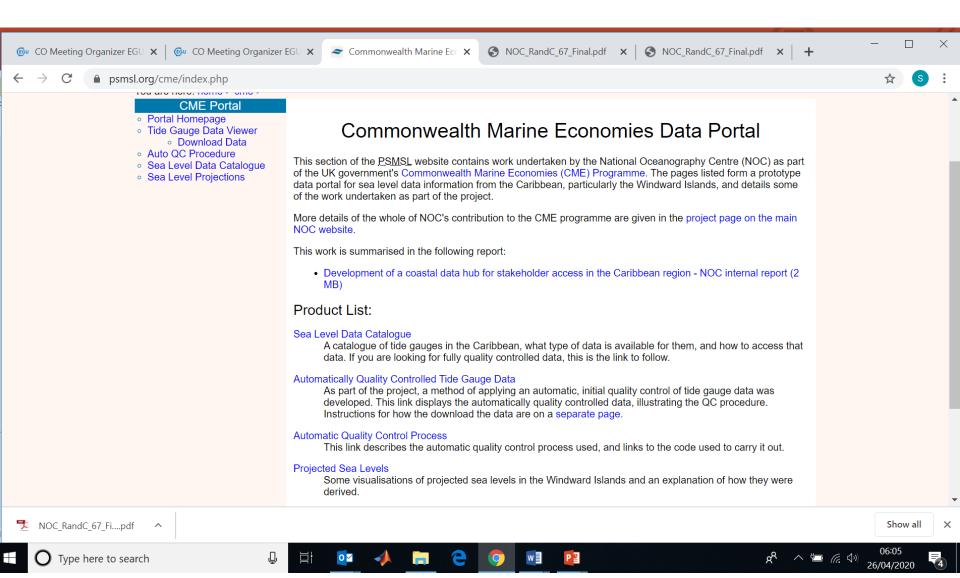


Map of the Caribbean Sea with locations of 12 tide gauges and 7 wave buoys used for this study

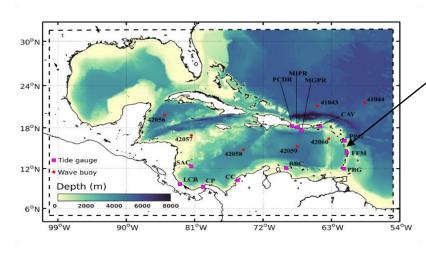
Svetlana Jevrejeva (1,2), Judith Wolf (2), Andy Matthews (2), Joanne Williams (2), David Byrne(2), Elizabeth Bradshaw (3), Simon Williams (2), Angela Hibbert (2), Kathy Gordon (2), Lesley Rickards (3), Michela De Dominicis (2), and Lucy Bricheno (2)

- 1. Centre for Climate Research Singapore, Singapore
- 2. National Oceanography Centre, Liverpool, UK
- 3. British Oceanographic Data Centre, Liverpool, UK

Pilot coastal data hub for stakeholder access in the Caribbean region, https://www.psmsl.org/cme/index.php

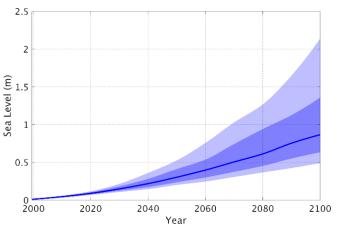


Impact of sea level rise (SLR) in St. Vincent (example)



1 m SLR places at risk 67% of sea port land

With 2 m SLR 24% of major tourism resorts will be impacted



With 100 m of erosion (resulting from approx. 1 m SLR), 76% of the major tourism resorts will be impacted

Annual losses in tourism resulting from the beach loss is estimated to be between US \$46 million by 2050; to US \$174 million by 2080

Sea level projections for St. Vincent (RCP8.5), https://www.psmsl.org/cme/projection.php

Credits: "Climate Change Risk Profile for Saint Vincent and the Grenadines" Technical

Report · January 2012

Online information

Sea level portal: https://www.psmsl.org/cme/index.php

Report: https://www.psmsl.org/cme/NOC RandC 67 Final.pdf

Caribbean Tide Gauge Data Catalogue: https://www.psmsl.org/cme/catalogue.php

Automatic Quality Control Procedure Links to code, report, examples

https://www.psmsl.org/cme/autoqc.php

Sea level projections by 2100: https://www.psmsl.org/cme/projection.php

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