

Advancing Climate Action through Legislation and Parliamentary Oversight



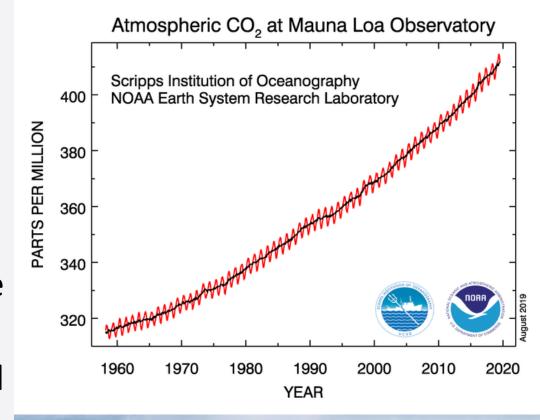
Oceans and coastal protection

Prof. Sieuwnath Naipal
Anton de Kom University of
Suriname

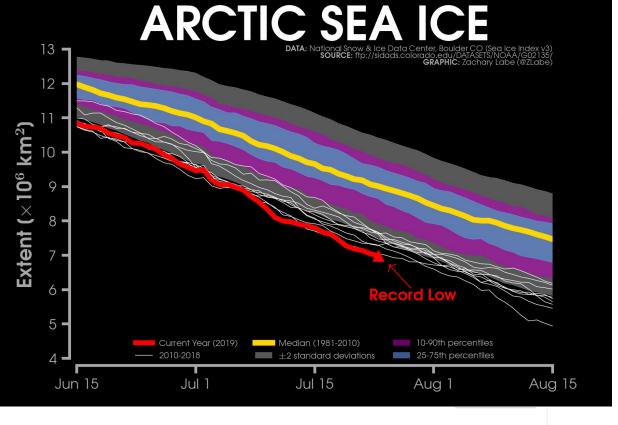


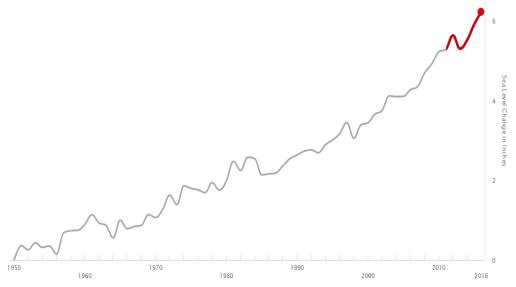
Extra heat in the atmosphere

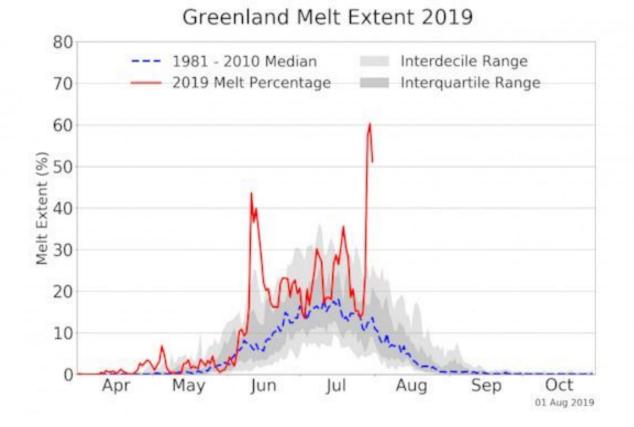
- Produces extreme drought, flooding
- Impacts the jet stream
- Makes forest more susceptible for fire through evaporation of moisture
- Promotes forest fires (100 of such wild fires)
- Root cover on the artic ice, ice melt, sea level rise.
- Ocean absorbs more CO₂, more heat, results in acidification, produces less coral reefs, seaweed, less oxygen....











Sea level is rising with a rap tempo

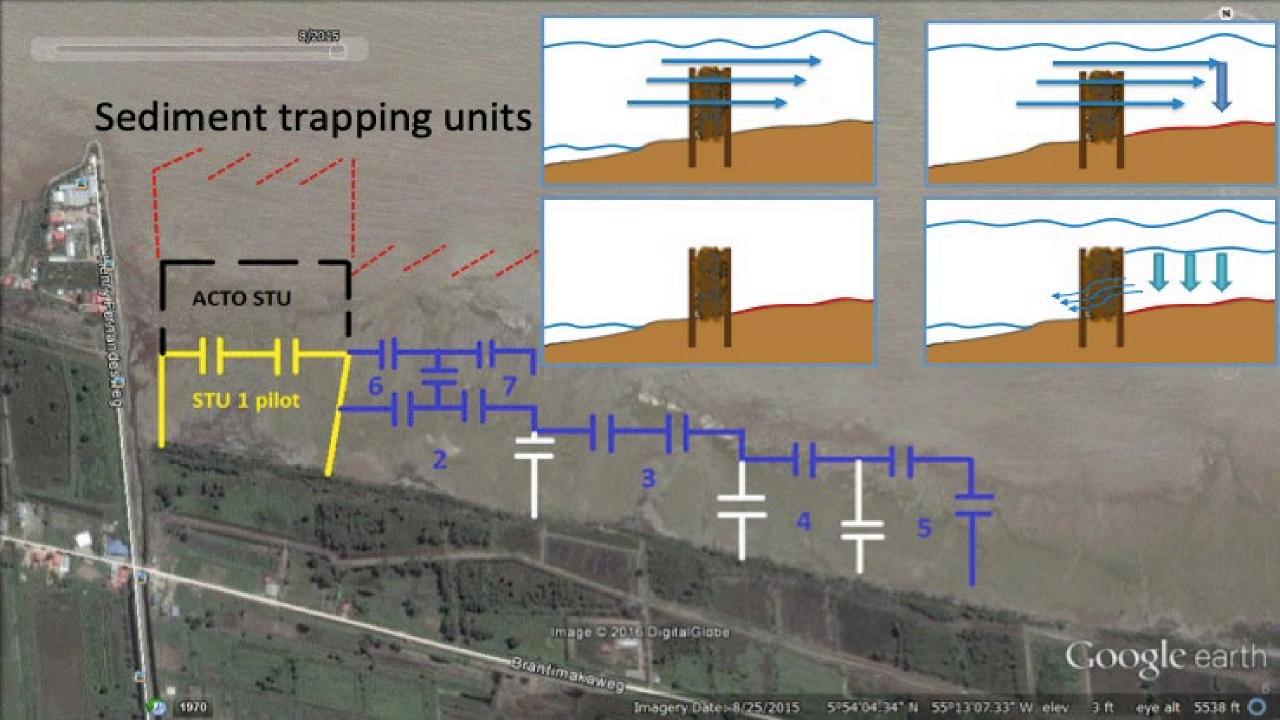
- Absorbed heat are released in the atmosphere in a complex way
- Low-lying areas are getting inundated frequently
- Coastal wetlands may fail to keep pace with the SLR
- Extra water creates new hydrology
- Extra water promotes erosion in the coastal wetlands

April 12, 2018

Higher seawater levels means larger volume to store Penetration of seawater takes place at many locations; Whilst drainage of the stored water take place via streams and creeks







Mangroves The key to fight against climate change



Thank you

