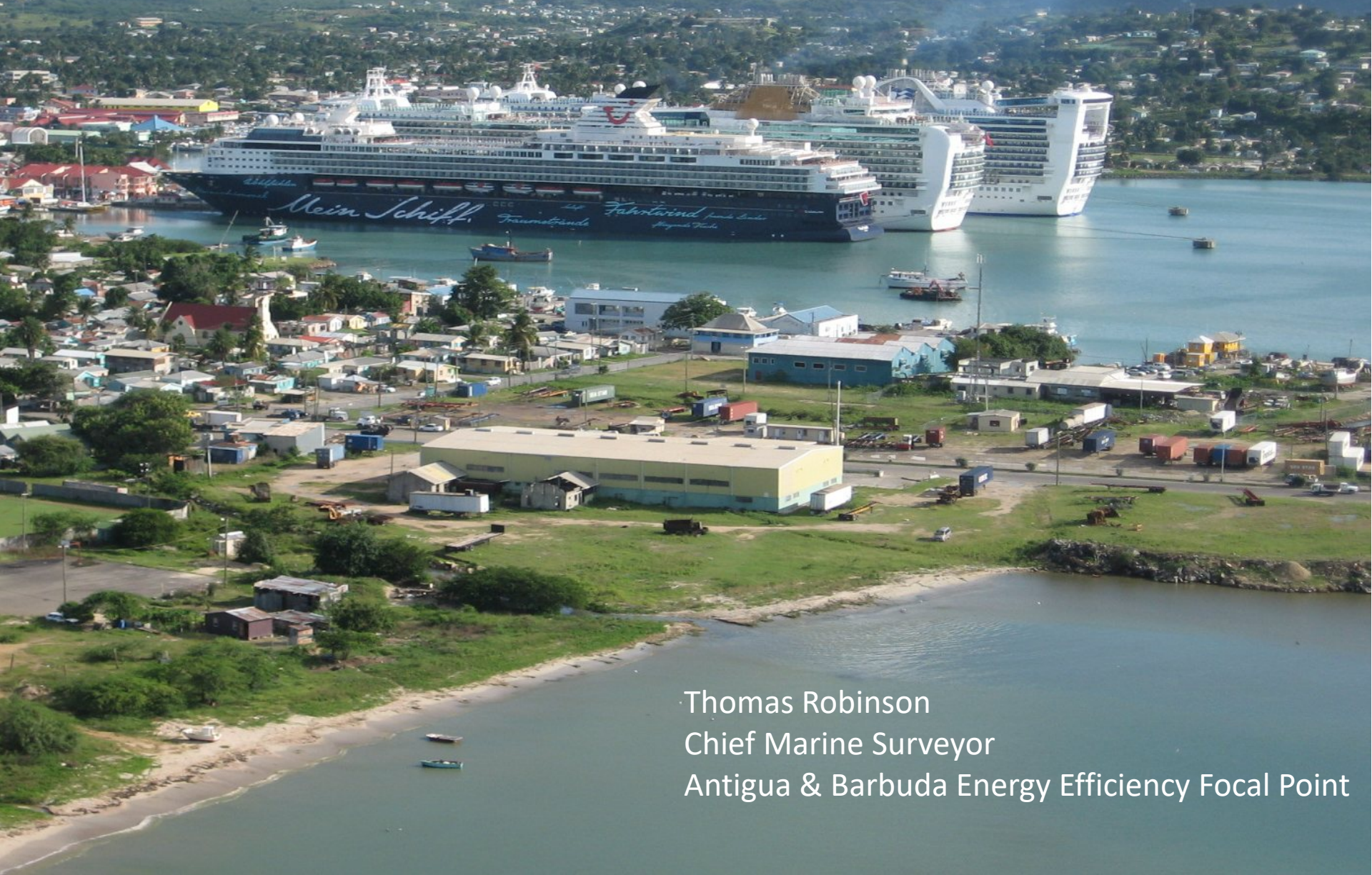


# Maritime Technology Cooperation Centre Caribbean 2<sup>ND</sup> NATIONAL WORKSHOP



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# Outline and related impact on Antigua & Barbuda

- Technical capacity to implement MARPOL Annex VI
- Status of our preliminary data gathering
- Existing legal guidelines in place
- Overall state of GHG emissions with special reference to MARPOL Annex VI

# Background for Antigua & Barbuda international fleet

- Monitoring the issue of International Air Pollution Prevention Certificate (IAPP Certificate)
- Monitoring Engine International Air Pollution Certificate (EIAPP Certificate)
- Monitoring International Energy Efficiency Certificate (IEEC)
- Verifying ozone-depleting substances record book where ship has rechargeable systems
- Verifying volatile organic compounds (VOCs) management plan
- Verifying Ship's Energy Efficiency Management Plan (SEEMP)
- Checking arrangements for entering emission control areas (ECAs) and related records
- Operational details of shipboard incinerator

# Background for Antigua & Barbuda international fleet

- service level agreements
- periodic audits
- Port State Control (PSC) Inspections



# Status of work for implementing MARPOL Annex VI

- MARPOL Annex VI is implemented under Merchant Shipping Act 2006, as amended
- Review of volatile organic compounds (VOCs) at tanker terminals and need for VOC to be regulated
- Consideration of eco-friendly alternative refrigerants -
- Sulphur control
- Fuel sampling
- Equivalent arrangements for compliance to be approved by ADOMS
- General inspection of Antigua & Barbuda flag ships

## Status of work for implementing MARPOL Annex VI

- Stakeholder consultation
- Results of data gathering and set up report form (Port Authority) suitable for sharing with MTCC Caribbean
- Establish network of contacts/stakeholders to continually monitor compliance
- Develop process/procedure for ship reporting
- Target areas for improvement

## Conclusions

- established emission control area (ECA)
- climate change mitigation
- regional steering committee member of the Eastern Sub-Region

# Questions