

Future Research Needs Discussion

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The logo for the International Council on Clean Transportation (icct). It features the lowercase letters 'icct' in a bold, dark blue font. The letter 'i' has a small blue circle above it. Below the letters, the full name 'THE INTERNATIONAL COUNCIL ON CLEAN TRANSPORTATION' is written in a smaller, blue, all-caps font.

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Reminder of Workshop Goals

1. Solidify recommendations for marine **BC measurement approaches**
2. Identify effective technological and operational **strategies to control BC** from marine engines

Discussion Session: BC Future Research Needs

Potential future research:

- Ad hoc technical committee on measurement
- BC as a function of fuel characteristics
- BC emissions inventory
- BC reduction technology demonstration projects on vessels
- BC testing on smaller vessels (MSD/HSD)
- BC testing on newer engines (Tier II+)
- What else?