



Western Boundary Current- Subtropical Continental Shelf Interactions Preliminary Workshop Agenda

May 22nd-24th, 2023

The WBC-STCS Workshop will follow a Gordon Conference format with morning and evening sessions and afternoons free. All sessions and activities will be broadcast as an interactive video conference so that international researchers who are unable to travel to Savannah may participate.

Questions/comments may be directed to William.Savidge@skio.uga.edu

Monday, May 22nd

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| AM Session | 8:00-9:00 | Check in and coffee |
| | 9:00-9:30 | Introductory remarks, format and goals & review of 2020-2022 activities |
| | 9:30-10:15 | Keynote #1: “Frontal eddy dynamics provide offshore nurseries for larval fish; a synthesis of four western boundary currents” Ian Suthers. University of New South Wales. |
| | 10:15-10:30 | Break |
| | 10:30-11:15 | Keynote #2: “Sources, dynamics and fate of marine organic matter production in the Brazilian western boundary ecological provinces” Dr. Frederico Brandini. University of Sao Paulo. |
| | 11:15-12:00 | Keynote #3: “Scaling of processes in the South Atlantic Bight” Dana Savidge. Skidaway Institute of Oceanography |

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| PM Session | 12:00-16:00 | Lunch and free time | |
| | 16:00-17:30 | Happy hour and poster session #1 | |
| | 17:30-19:00 | Dinner break | |
| | 19:00-22:00 | Presentations from the community - | |
| | | Dr. Adam Greer , Skidaway Institute of Oceanography: “Resolving the influence of water column structure on biological production and mesozooplankton traits in the South Atlantic Bight” | |
| | | Dr. Alejandro Souza , CINVESTAV, Mexico: “Variability of the Yucatan upwelling system” | |
| Dr. Dongliang Yuan , Chinese Academy of Sciences, PRC: “Cross-shelf transport in the Yellow and East China Seas and its role in carbon transport and sequestration” | | | |
| Dr. Fatma Jebri , National Oceanography Centre, UK: “Agulhas Current influence on productive upwelling regimes revealed by machine learning” | | | |
| Dr. Neil Malan , University of New South Wales, Australia: “The impacts of East Australian Current separation variability on shelf chlorophyll distribution.” | | | |
| Dr. Issufo Halo , University of Cape Town, South Africa: “Influence of Madagascar Ridge on circulation in the Agulhas Current system” | | | |
| Dr. Robert Todd , Woods Hole Oceanographic Institution, USA: “Shelf-deep ocean exchange near Cape Hatteras from two years of underwater glider observations” | | | |
| Dr. Jose Muelbert , Universidade Federale do Rio Grande, Brazil: “Early life history of fish and the western boundary current ecosystem” | | | |

Tuesday, May 23rd

AM Session

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| 8:00-9:00 | Coffee Hour |
| 9:00-9:15 | Assignment of AM breakout sessions |
| 9:15-12:00 | Breakout Sessions - <ul style="list-style-type: none">• Ecology of WBC-influenced continental shelves• Effective observational strategies for WBC-influenced shelf systems |

PM Session

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| 12:00-16:00 | Lunch and free time |
| 16:00-17:30 | Happy hour and poster session #2 |
| 17:30-19:00 | Dinner break |
| 19:00-22:00 | Breakout Sessions - <ul style="list-style-type: none">• Cross-shelf exchange & carbon export on WBC shelves• Future climate states and WBC-shelf interactions• Temporal and spatial scaling of WBC-shelf interactions |

Wednesday, May 24th

AM Session

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| 8:00-9:00 | Coffee Hour |
| 9:00-11:30 | Summarization and round table discussion of breakout session results |
| 11:30-13:00 | Lunch break |

PM Session

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| 13:00-17:00 | Draft reports of breakout sessions |
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