

Community Ecology/Stoichiometry Break-out Group

Heithaus/Jaffe/Rivera-Monroy

1) Food web dynamics of intermediate trophic levels:

- a. Discussion objective -1: Generate information/data on secondary productivity and/or spatiotemporal patterns of intermediate consumer abundance across LTER transects with particular emphasis on oligohaline regions (in preparation for FCE proposal).
- b. Discussion objective – 2: Understand drivers of seasonal and spatial abundance of intermediate consumers from both a top-down (top predator effects) and bottom-up (floc/detrital OM contributions to food web) approach including habitat interactivity (in preparation for FCE proposal).
 - i. *Participation open! Should include Trexler, Rivera-Monroy, Rehage, Lorenz, Gaiser, Belicka, and others.*

2) Species shifts and invasive species:

- a. Discussion objective - 1: Assess data availability and research needs with respect to seasonal and inter-annual variability of species (including invasive sp.) with respect to management and climate change (in preparation for FCE report and proposal preparation).
- b. Discussion objective 2: Propose target studies of native and invasive species on broad spatial scales including outside the broadly defined FCE boundaries (in preparation for FCE proposal).
 - i. *Participation open! Should include Doren, Trexler, Rivera-Monroy, Rehage, Lorenz, Gaiser, Ross, Fourqurean, Richards, Troxler, and others.*

3) Importance of nitrogen biogeochemistry at FCE:

- a. Discussion objective - 1: Generate overview of already existing N-work, as this has seemingly not been obvious to the review panel. Include on-going work and determine research needs and identify potentially missing information (in preparation for FCE report).
- b. Discussion objective – 2: Discuss approaches to apply nutrient stoichiometric relationships as key ecological drivers in the face of environmental change and restoration (in preparation for FCE proposal).
 - i. *Participation open! Should include Boyer, Briceño, Heffernan, Rivera-Monroy, Davis, Chambers, Troxler, Fourqurean, Anderson and others.*