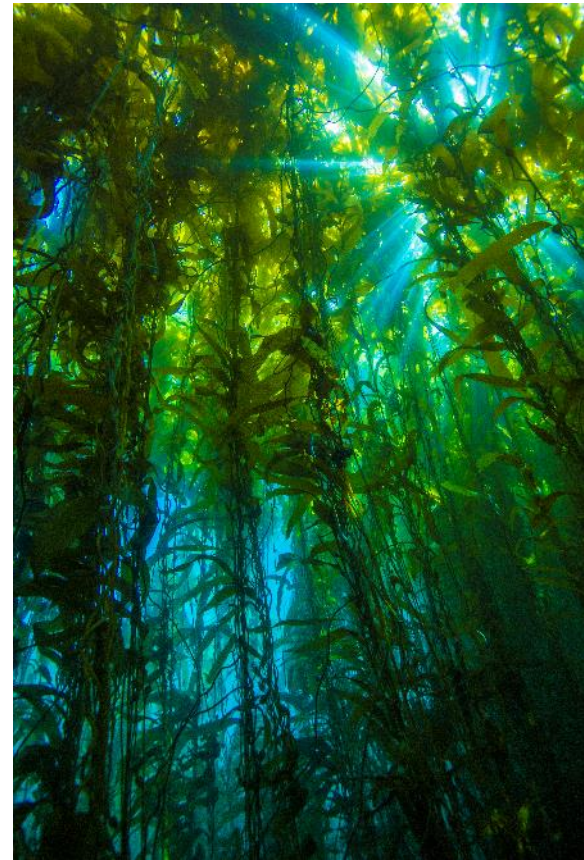
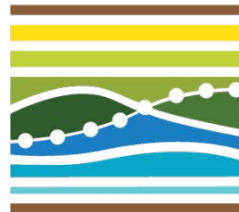


Santa Barbara Coastal LTER



Bob Miller

LTER SCIENCE COUNCIL MEETING 2018
MADISON, WI



NATIONAL SCIENCE FOUNDATION

LTER NETWORK

LONG TERM ECOLOGICAL RESEARCH

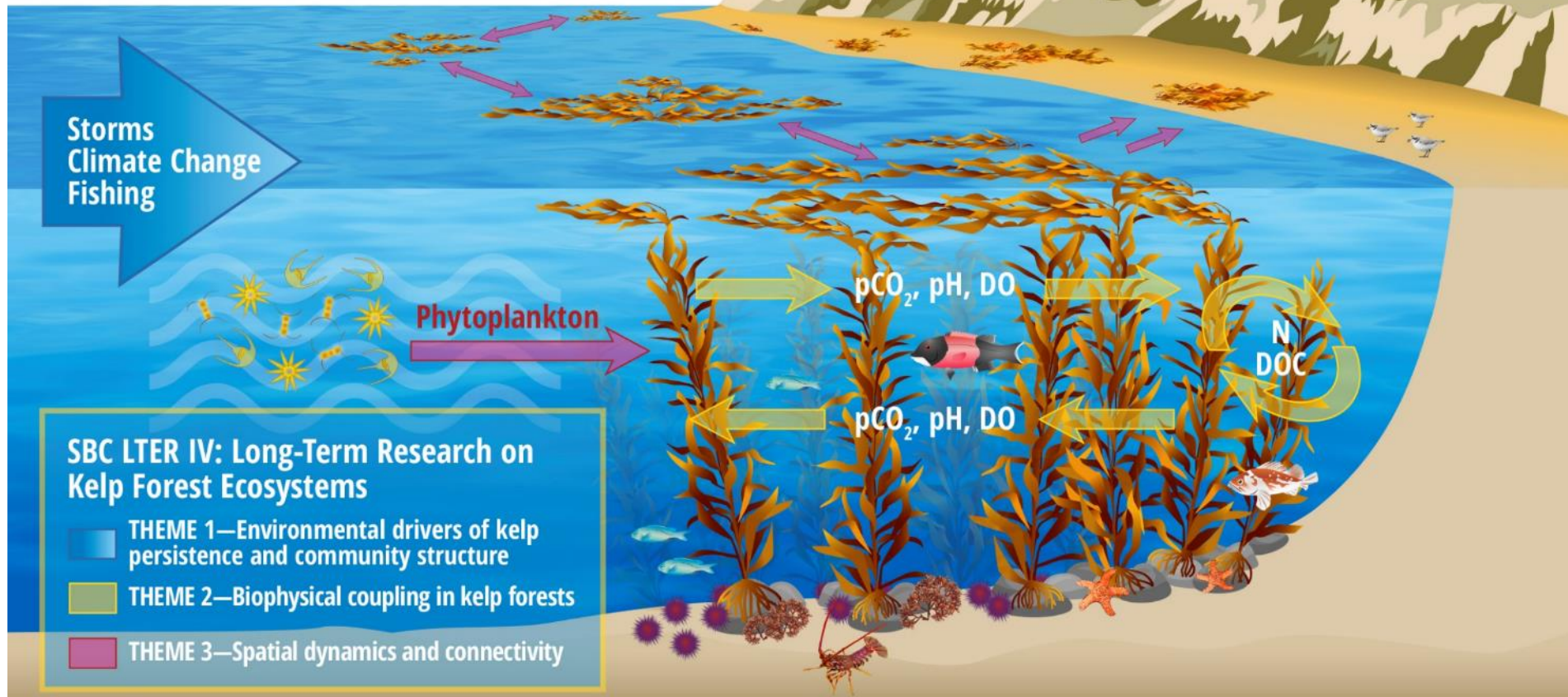
SBC NEWS

SBC IV (2018-2024)

Focus: Use of a dynamic, short-lived foundation species to examine ecosystem consequences to long-term change

Overarching question

How do natural and human drivers influence giant kelp dynamics and alter the long-term structure and function of kelp forest ecosystems?



SBC Organic Matter



Production



Consumption &
degradation



Export

- What drives the dynamics of different forms of kelp organic matter production?
- What is the role of microbial communities in the production, remineralization and trophic transfer of kelp-derived DOM?
- How does the timing, amount and form of kelp wrack subsidy influence the community structure and ecosystem function of beaches?

SBC Organic Matter Results

