

OVERVIEW

Habitat Protection and Ecosystem-Based Management Committee Meeting

Hilton Cocoa Beach Oceanfront, 1550 N. Atlantic Avenue, Cocoa Beach, Florida

The Committee will: (A) Be provided a status report on FEP II development, followed by three Technology Sessions: First an (B) **Ocean Technology Session** including presentations on: The Next Generation AUV, Toward Autonomous and 3D Mapping, ROV Advancements and Acoustics, and Unmanned Aircraft Systems (Drones) as Tools in the Ocean. Second a session on (C) **Ocean Investment and Collaborative Sustainability**- the Emerging Role of Citizens, Business, Non-profits, and Government in Conservation. The third session will highlight (D) **Applying Emerging Technologies and 21st Century Data Gathering and Presentation** including presentations on: iAngler Tool, SAFMC Habitat /Ecosystem Tools, and Ocean Adapt Climate Tool.

(A) Fishery Ecosystem Plan II Status Report Brett Boston, GS Inc. will provide an update on the continued development of Fishery Ecosystem Plan II.

REQUIRED COMMITTEE ACTION:

The Committee will provide additional guidance to staff as appropriate.

(B) Ocean Technology Session (*Attachments 1, 2a, 2b*)

The Session will include three industry/partner presentations highlighting cutting edge new technologies including: the *Next Generation AUV* by Ken Childress with Ocean Aero on the capabilities of the wind and solar driven Sumaran AUV; *Toward Autonomous and 3D Mapping* by Justin Friesner with Teledyne Marine will focus on the advancing range of mapping systems available for small vessels to AUV to unmanned systems and the high end 3D product created; *ROV Advancements and Acoustics* by Dr. Laurent Cherubin with Harbor Branch Oceanographic Institute will focus on advances in ROVs and high resolution acoustics system; and *Unmanned Aircraft Systems (Drones) as Tools in the Ocean* by Dr. Patrick N. Halpin with Duke University will complete this session highlighting advances in UAS or “Drones”.

REQUIRED COMMITTEE ACTION:

No Committee action required.

(C) Ocean Investment and Collaborative Sustainability - Emerging Role of Citizens, Business, Non-profits, and Government in Conservation

Brett Boston, Executive Director of the Fish and Wildlife Foundation of Florida and Gregory Jacoski Guy Harvey Ocean Foundation will provide a perspective on Foundation supported activities advancing ocean literacy, fisheries research and the direct engagement of the public sector in Citizen Science.

REQUIRED COMMITTEE ACTION:

No Committee action required.

(C) Applying Emerging Technologies and 21st Century Data Gathering and Presentation
(Attachment 3)

Brett Fitzgerald with the Snook Foundation will provide an overview of mobile reporting through the iAngler Tool. Roger Pugliese, SAFMC and Tina Udouj, FWRI will highlight continually development SAFMC Habitat /Ecosystem Tools. Jim Morley, Rutgers University will provide an overview of the Ocean Adapt Climate Tool.

REQUIRED COMMITTEE ACTION:

No Committee action required.

The Committee will discuss other business as needed.