

# SEDAR

## The Future

GMFMC SSC Meeting

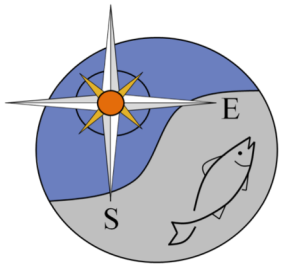
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Julie A. Neer

[sedarweb.org](http://sedarweb.org)



*SEDAR – Southeast Data, Assessment & Review*



# SEDAR Goals

- robust and **transparent** assessments
- stakeholder involvement in the assessment process
- reliable and scientifically rigorous assessments
- independent peer review of assessment products
- **timely** assessment products
- **thorough** documentation of methods and data
- appropriate consistency in documentation, assessment approaches, and treatment of uncertainties



# Limited Resources Challenge

**TRANSPARENT**

**Benchmark**

**Standard**

Pick  
any 2

**Projections**

**THOROUGH**

**TIMELY**

**Update**



# **“Research Track”**

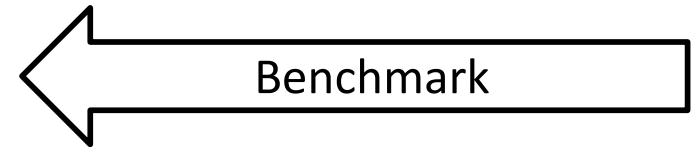
- **First raised in 2015 as ‘Research Cycle’**
- **Under development and discussion since**
- **Noted in the latest NMFS SAIP**
- **Significant SEDAR work to define and describe**
  - See May 2018 SEDAR Steering Committee Briefing Book for supplemental materials



# Pilot Plan

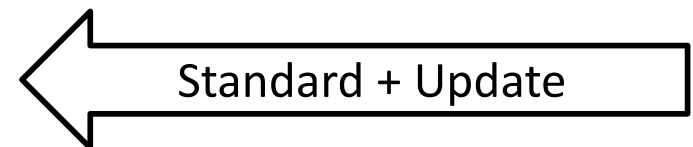
## 1. Research Track

- Creates a robust tool



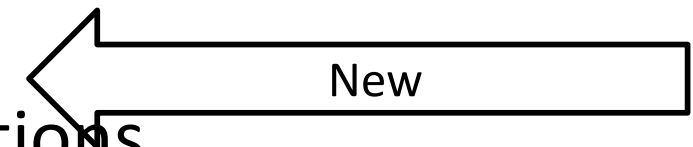
## 2. Operational Assessment

- Applies the Tool



## 3. Key Stocks

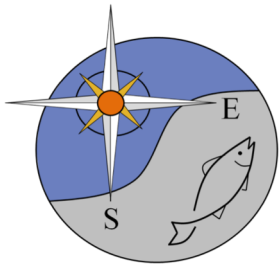
- Manages workload & expectations



## 4. Interim Analysis

- Timely advice





# New Approach

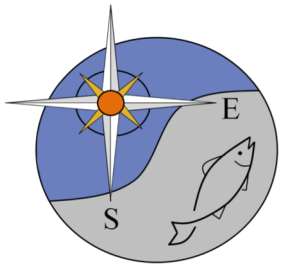
**SEDAR**

**Cooperator/ SEFSC**

**Research Track  
Operational  
Assessments**

**Key Stocks  
Interim  
Analysis**



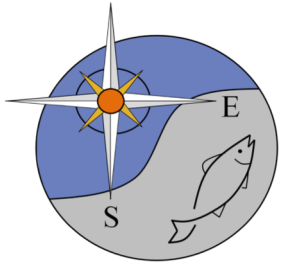


# New Approach

## Research Track (THOROUGH and TRANSPARENT)

- Similar to current BENCHMARK approach
- Develop a tool: models & methods
- Test hypotheses, explore new ideas for stocks
- Implement new methods and new data streams across stocks
- No status or fishing levels provided
  - **Removes reliance on most recent data**
- Not open-ended
  - Assessments can't become research projects
- Allow project team flexibility to develop a feasible plan



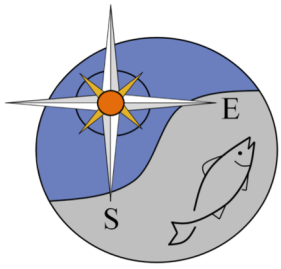


# New Approach

## Operational Assessment (THOROUGH & TIMELY)

- Update the tool with the latest data
- Provide the management information
- Status and fishing levels provided
- Merges existing UPDATE and STANDARD approaches
  - SEDAR role will depend on the process
- Default approach for follow-up assessment
- Review conducted by SSC





# New Approach

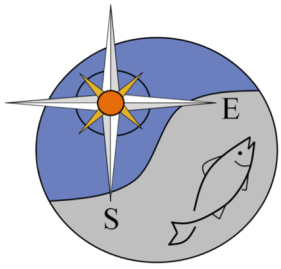
## Key Stocks

- Identify the stocks that “drive” the fishery
- Regularly schedule for Assessment and Interim
- Form the core species addressed by the assessment process
- List of Key Stocks developed between Cooperator and Science Center

**\*\*Planning Tool\*\***

***This is not a completely new concept: The current prioritization approach likely reveals the Key Stocks for each Cooperator***



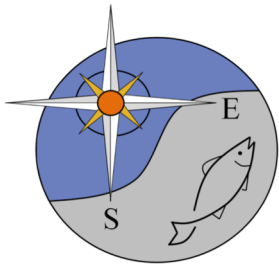


# New Approach

## Interim Analyses (TIMELY)

- Update core information and projections
- Guidance for interim analysis should become part of the Research Track TORS (AW, RW, SSC Review)
  - and part of future operational assessments for current benchmarked stocks.
- Done internally – between SEFSC and Cooperator (No SEDAR involvement)
- Review conducted by SSC





# New Approach

**SEDAR**

**Cooperator/ SEFSC**

**Research Track  
Operational  
Assessments**

**Key Stocks  
Interim  
Analysis**

**SSC most likely involved in all processes**

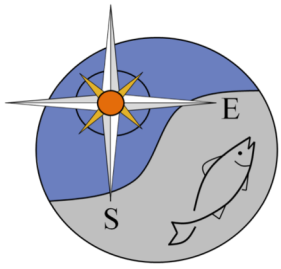


# Changes in SSC roles with New Approach (Research Track)

## Planning Team – provide project flexibility

- More responsibility on Analyst/Council staff/SSC to define what is needed
  - Draft TORs
  - Schedule
  - Participants
- Cooperator makes final approvals & appointments
- Based on the NEFSC SAW/SARC Approach
- Happening now with FL FWCC, HMS, & CFMC



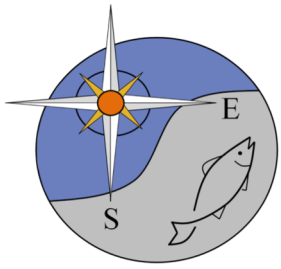


# Changes in SSC roles with New Approach (Research Track)

## Working Group/Standing Panel

- Small group that handles the assessment work and decision making (4-8 people)
  - Lead analyst, a Technical Chair, and 1 Council staff (option)
  - SSC representation, other analytical based on particular expertise needed
- Improve consistency in decision making across workshops particularly DW to AW
- Reduce the expectation that the AW is obligated to follow all DW recommendations
- Improve consistency in decision making across assessments, e.g. addressing uncertainty ranges



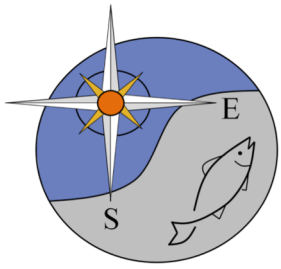


# Changes in SSC roles with New Approach (Research Track)

## Working Group/Standing Panel Charge:

- Group is similar to existing assessment panel
- Attend Data and Assessment workshops
- Participate in consensus decision making
- Contribute analyses as needed (based on expertise, especially if added to the working group to help with a specific analytical area)
- Contribute to report preparation
- Present to RW as needed



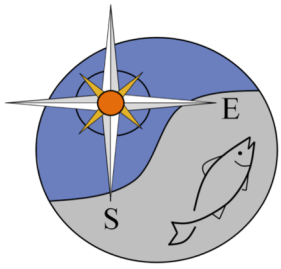


# Changes in SSC roles with New Approach (Research Track)

## DW Impacts:

- Same DW process as used now
- DW work groups make recommendations, prepare report sections and documentation
- Decisions made in full plenary, with Working Group/Standing Panel members responsible for developing consensus recommendations as needed
- *NEW: WG/SP members prepare a DW report section summarizing the consensus recommendations (new DW report section)*





# Changes in SSC roles with New Approach (Research Track)

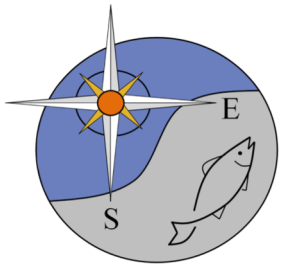
## **AW Impacts:**

- Same AW process as used now, with possible modification as the role of chair is further defined
  - Duties split between a Technical Chair and an Administrative Chair
- The Assessment Panel may also include other participants who contribute but are not part of the Work Group/Standing Panel
  - Currently includes fisherman, other analysts/data providers

## **RW Impacts:**

- Same process currently used, except no declaration of status





# Changes in SSC roles with New Approach (Operational Assessments)

## Operational Assessments

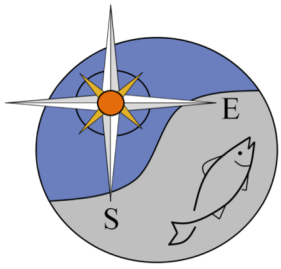
### Updates

- No Panel
- Less transparent
- 3 weeks data processing time

### Standards

- Panel
- More transparent
- 5 weeks data processing time





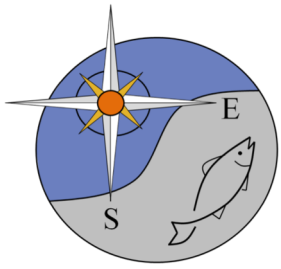
# Changes in SSC roles (Operational Assessments)

## Guidance on Topics for Consideration

Clear and detailed TORs are required for OAs

- Defines scope of assessment
- Clarifies expectations
- Critical for scheduling





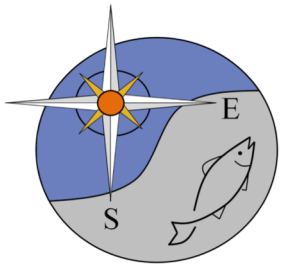
# Changes in SSC roles (Operational Assessments)

## Guidance on Topics for Consideration

Possible items may include:

- new data sets to be considered
- new modeling techniques that have been used in other assessment which may be used for the assessment under consideration
- request for further analysis that the SSC or review panel found lacking during the last assessment





# Changes in SSC roles (Operational Assessments)

## Guidance on Topics for Consideration for OA

- *Initial guidance happens very early in the process*
- *Summary of suggestions provided to SEFSC for consideration*
- SEFSC provides feedback to STC regarding feasibility and timing
- SEDAR and SEFSC develop draft schedule and ToRs
- Cooperator process for ToR and Schedule approval



# Implementation

- **SEDAR 68 – Gulf of Mexico and South Atlantic Scamp**
  - Research Track
  - Joint assessment
  - Begins late 2019
- **Operational Assessments (2020)**
  - Gulf of Mexico Gag and GAJ
  - SA Spanish mackerel and Gag



**Thank you**

**Questions?**



# Breaking News (SE is Green)

**Citation:** Neubauer P, Thorson JT, Melnychuk MC, Methot R, Blackhart K (2018) Drivers and rates of stock assessments in the United States. PLoS ONE 13(5): e0196483.

<https://doi.org/10.1371/journal.pone.0196483> - 5/11/2018

