ECOSYSTEM & SOCIOECONOMIC PROFILE UPDATE

KALEI SHOTWELL, SEPTEMBER GROUNDFISH PLAN TEAM 2022

ESP Definition: A standardized framework that facilitates the integration of ecosystem and socioeconomic factors within the stock assessment process and acts as a proving ground for use in management advice.





This Year

Overview of AFSC ESPs for 2022, data streamlining, and reproducibility progress

Next Year

Plans for 2023 AFSC ESPs, updating and reorganizations ideas, initiating RFIs

National

Progress on the National ESP program development and associated workshops



ESP REPORT SUMMARY

Stock	Year initiated	Full ESP	Partial update	Report card
Sablefish	2017	2017 - 2019	2020	2021
Gulf of Alaska Pollock	2019	2019	2020	2021
EBS Pacific Cod	2020	2021		2021
GOA Pacific Cod	2020	2021		2021
St Matthew Blue King Crab	2019	2019	2020	2022
Bristol Bay Red King Crab	2020	2020		2021, 2022
Bering Sea Snow Crab	2021	2022		

Note: Report cards are produced annually unless no SAFE

CURRENT (2022) ESPS

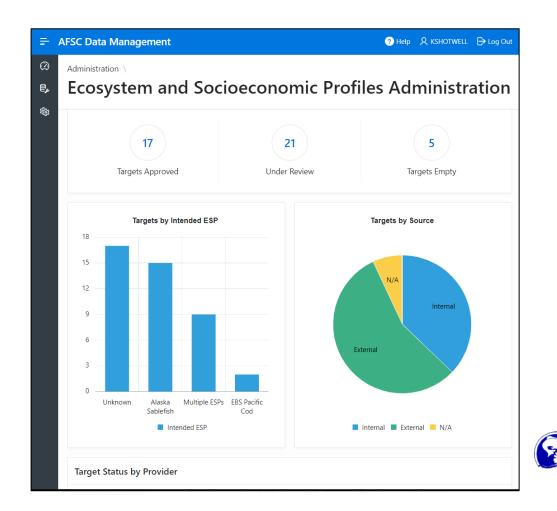
Full ESPs

- Draft Snow Crab ESP in May
- Final Snow Crab ESP in September (last week)
- Report Card ESPs
 - St Matts Blue and Bristol Bay Red King Crab in September (last week)
 - Sablefish, GOA pollock, GOA Pacific cod, and EBS Pacific cod in November
 - Only updated indicator data or minor changes (e.g., data updates)

DATA STREAMLINING

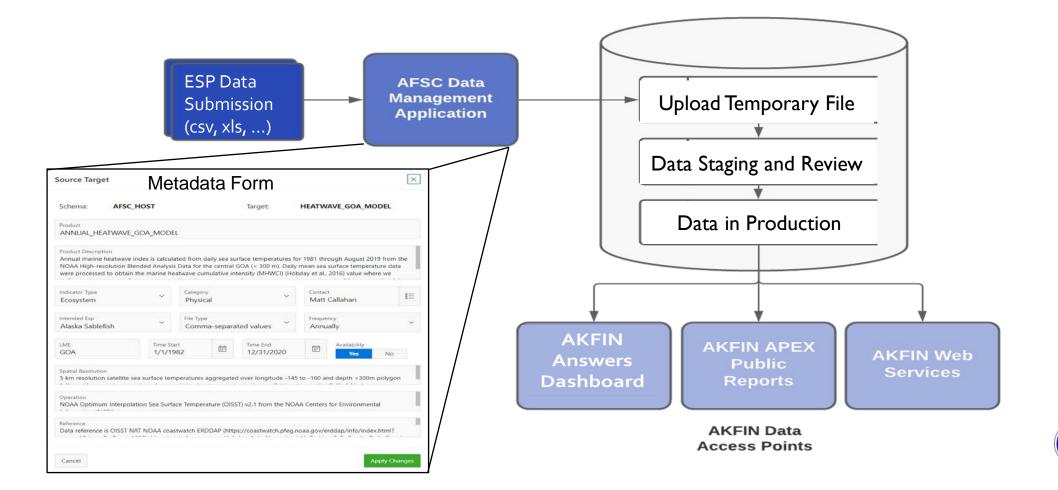
Bring Your Own Data (BYOD)

- AKFIN account-based uploader tool
- Metadata collection, feedback loop, tracking, scheduled reminders
- Internal AKFIN data automatic
- Administrative View
 - Indicator status visualizations
 - Summaries by data contributors
 - Indicators lookup table



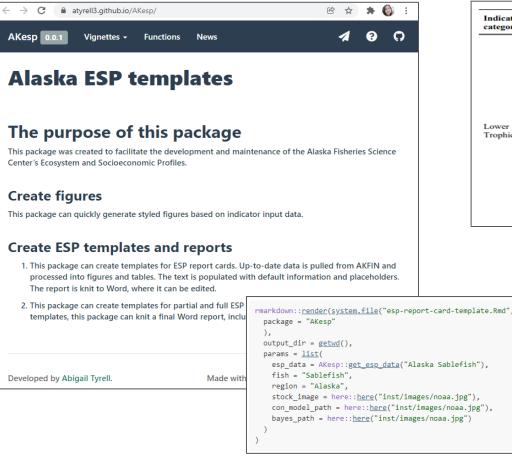


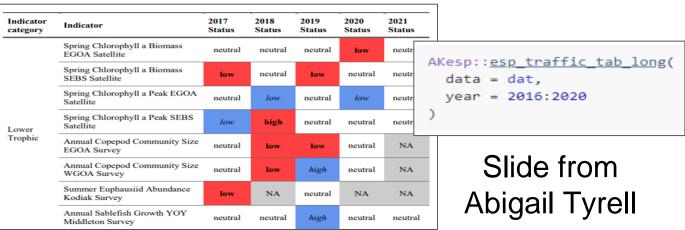
BYOD WORKFLOW

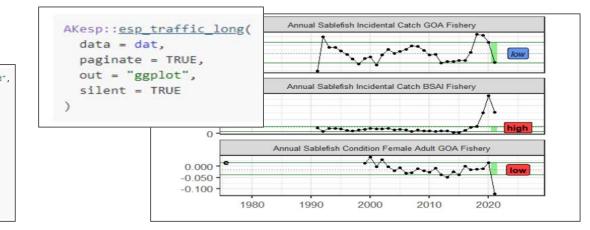


REPRODUCIBILITY PROGRESS

ESPs should be designed to take future needs into account and maximize reproducibility











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FUTURE (2023) ESPS

Full ESPs

- Update full Sablefish ESP in September
- Initiate EBS Pollock ESP, present progress report in September
- Evaluate and update indicators for Bristol Bay Red and Snow Crab

Report Card ESPs

- Snow and Bristol Bay Red King Crab report cards in September
- Sablefish, GOA pollock, GOA Pacific cod, and EBS Pacific cod in November

UPDATING AND REORGANIZING ESPS

BYOD changes

- New stock assessment archiving module currently in testing phase
- Expanding indicator data to include more information (e.g., error estimates)

Reporting changes

- Updating standard graphics to align with Econ, IEA efforts
- Reorganizing the community category within the socioeconomic sections
- Standard Operating Procedures (SOP) and reports on website

REQUEST FOR INDICATORS (RFI)

Proposed Schedule

- RFI reports for all ESPs in Jan-Feb
- Review by ESP teams in Feb-Mar
- Indicators approved by Mar-Apr
- Submissions Workflow
 - Indicators submitted through BYOD, then available through web service
 - ESP r package creates R Markdown reports that go to the ESP Teams

Request for Indicators: Ecosystem and Socioeconomic Profile of the					
Myfis	h stock in the Myarea				
[List of ESP	team who wrote the RFI request]				
	[Current Year]				
[Pi	cture of stock, if desired]				
Des	cription of Process				
Short description of ESP process and justification for conducting the Request for Indicators for this stock (this will likely be consistent text for all RFIs)					
Reference to Plan Team and SSC Recomm an ESP for this stock	nendations, author request, and/or research priorities to conduct				
Table of stepwise plan and cycle for revie	w of indicator submissions in response to this RFI:				
Initial Recommendation	December [year]				
Request Opening	First Week of January [year]				
Proposed Indicators Due	First Week of February [year]				
Notification of Selected Indicators	Last Week of February [year]				
	Stock Request				
Description of main ecosystem and socio	economic indicator needs for recommended ESP				
Ecosystem Processes					
Summary of ecosystem processes	that identify dominant pressures on the stock, evaluate by life				
 history stage where possible Include conceptual model if avail 	able				
Include conceptual model if available List of needed indicators based on dominant drivers					
Socioeconomic Processes	at a 1 and a contract of the state of the st				
 Summary of socioeconomic proc life history stage where possible 	esses that identify dominant pressures on the stock, evaluate by				
 Include conceptual model if avail 	able				
 Include conceptual model if avail List of needed indicators based or 					

List of needed indicators based on dominant drivers





T	his	s Ye	ear

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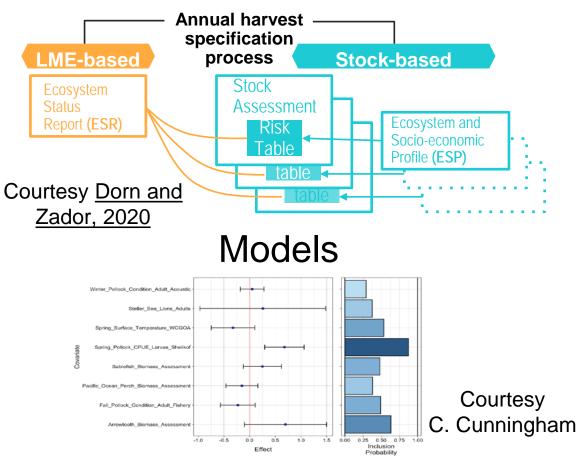
National

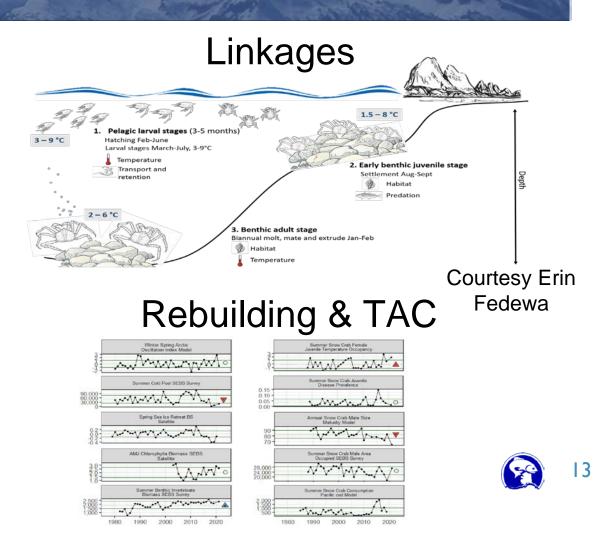
Progress on the National ESP program development and associated workshops



ESP DECISIONS

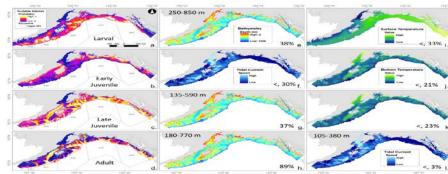
Risk Tables





ESP MOMENTUM

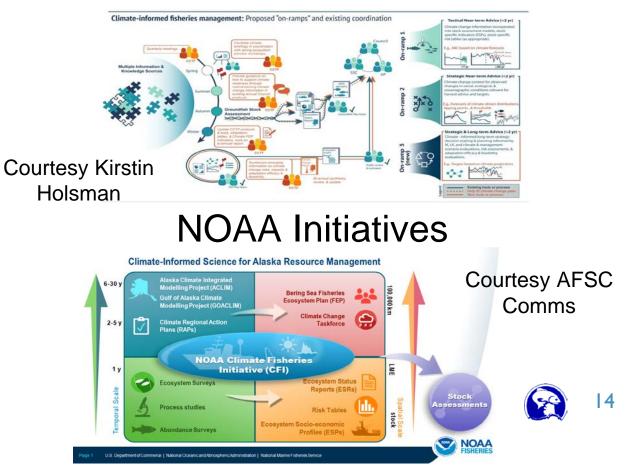
EFH Research Plan



Courtesy Jodi Pirtle EBS and GOA RAPs



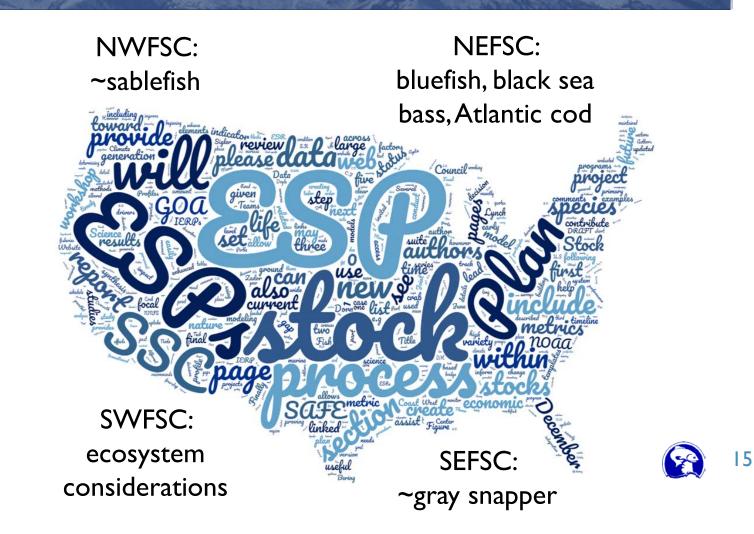
CLIMs and CCTF



NATIONAL ESP PROGRAM

AFSC: sablefish, pollock, Pacific cod, king crab, snow crab

PIFSC: uku



NATIONAL PROGRAMS

Forum

Providing communication avenues through working groups and dedicated workshops

Metrics

Developing common set of measures to track progress toward EBFM

Support

Creating request for proposals that highlight or prioritize development of products

NATIONAL ESP WORKSHOPS

Preliminary Workshop July 2022

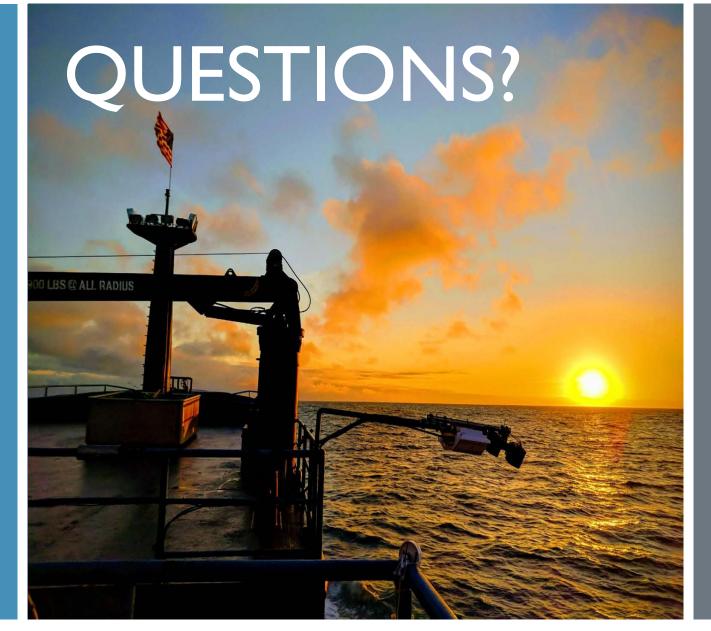
- 40+ person workshop included reps from all centers, RO, HQ offices
- Reviewed ESP progress, center share out, brainstorming discussions

Proposal in CA/MSA 2023 RFP

- Series of focused workshops to develop ESP programs at different centers
- Special sessions at existing conferences to communicate ESP progress
- Annual meeting to create and refine National ESP Program elements

PLAN TEAM FEEDBACK

- 1) Are these ESP updates useful and do you want them to continue annually in September?
- 2) Is the ESP schedule acceptable for adequate Plan Team review (e.g. full ESPs in Sept, report cards in Nov)?
- 3) Any feedback on the AKFIN submission tool (BYOD), reproducibility efforts, or request for indicators (RFI)?
- 4) Do you want to receive updates on the National ESP Program as it develops?



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