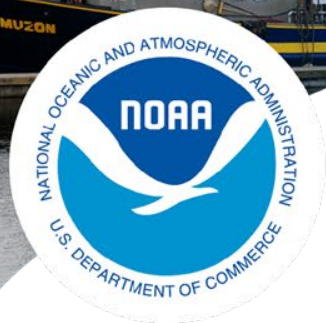




# CAMS and FDDI Updates



**NOAA  
FISHERIES**

**NRCC Meeting  
May 10, 2023**

**Greater Atlantic Regional  
Fisheries Office**

**Northeast Fisheries  
Science Center**



**NOAA FISHERIES**

# CAMS Status Report

- Major Milestone Achieved
  - Successful review by the Center for Independent Experts (CIE)
  - It all started with the NRCC
  - Unparalleled commitment, dedication, and cooperation between GARFO and NEFSC staff
- Focused on CAMS Final Review, Release and Transition
  - Preparation for CIE Review
  - CIE Review
  - Continued CAMS Development & Implementation
  - Transition to CAMS

# CIE Review & Preparation

- Developed materials and logistics to support CIE Review and Council/Commission staff briefings
- Provided CAMS briefings to ACCSP (Jan 9) and Council & Commission Staffs (Jan 11)
  - Provided a high-level overview CAMS and an opportunity for initial questions
  - We provided advanced access to background documents used during the peer review that were made available to CIE on our [CAMS Peer Review website](#)
- CAMS CIE Review (Jan 17-19)
  - The panel was chaired by Cate O'Keefe and included:
  - Edvin Fuglebakk: Institute of Marine Research Norway;
  - Steven Holmes: National Institute of Water and Atmospheric Research Limited; and
  - Geoff Tingley: Gingerfish Ltd

# CIE Reports and Findings

- CIE produced 4 reports:
  - Summary Report
    - Posted on the [NOAA Institutional Repository](#)
  - Individual reports from the 3 CIE review panelists
    - Posted on the [CIE Repository](#)
- The Panel concluded that the CAMS system can be implemented as the primary, comprehensive source for all US commercial catch in the Greater Atlantic region (landings and discards) for quota monitoring and stock assessment purposes
- The summary report included recommendations that were binned into three categories
  - Immediate: Essential to support operational CAMS; months-1 year
  - Near-term: Likely to improve CAMS in near-term; 1-2 years
  - Long-term: Enhancements as CAMS evolves; 2-5 years

# Continued CAMS Development & Implementation

- Finalizing discard component of CAMS (just about complete)
  - Finalized support tables defining discard stratifications by stock
  - Finalized table structures and definitions
  - Added full variance estimation at the stock-subtrip level for uncertainty aggregation
  - Teams of quota monitoring and stock assessment leads are examining discards for each stock and recommending final settings for CAMS
- Responding to CIE “immediate” recommendations, including:
  - Complete the documentation of the operational version of CAMS
  - Implement a Universal Trip Identifier to minimize the need for algorithmic record matching and data imputations and reduce errors and uncertainty
  - Need for establishing a CAMS change control board
  - Transition planning to ensure users are aware of changes
  - Initiate development of user experience testing strategies focused on user needs, expectations, and product satisfaction

# Continued CAMS Development & Implementation

- Developing Transition Plan
  - Beginning late May or early June, convene monthly CAMS Transition Meetings with primary points of contact from primary data users to ensure current access to data is available and routine updates on any database issues and transition to CAMS
- Developing CAMS user guide for end users looking to use tables describing the end user tables, what the rows represent, and how to join them
  - This would supplement the business rules in the full documentation
- Workshop(s) to train primary users on CAMS
  - Starting with primary points of contact, provide either group or private workshop sessions or one large workshop where we would provide training and could walk around helping people with individual problems that arise
  - Potential expansion of workshops to include broader participation by primary data users
  - We envision providing examples and answering questions about joining tables and where different things they are used to are now located
- CAMS related briefings to other data users (i.e., Science and Statistical Committees)

# Continued CAMS Development & Implementation

- Access to CAMS Output Tables
  - Identify who needs access and what level of access is needed.
    - Includes determination if access to CAMS is needed or access to source data
  - Determine how access is provided
    - Ensure secure platform by utilizing application programming interface (API) at primary users facility. No longer need a CAC
    - Ensure appropriate non-disclosure agreements (NDAs) are in place for GARFO and NEFSC datasets
    - Develop clear guidance and business rules for accessing and sharing data at primary users facility

# CAMS Transition

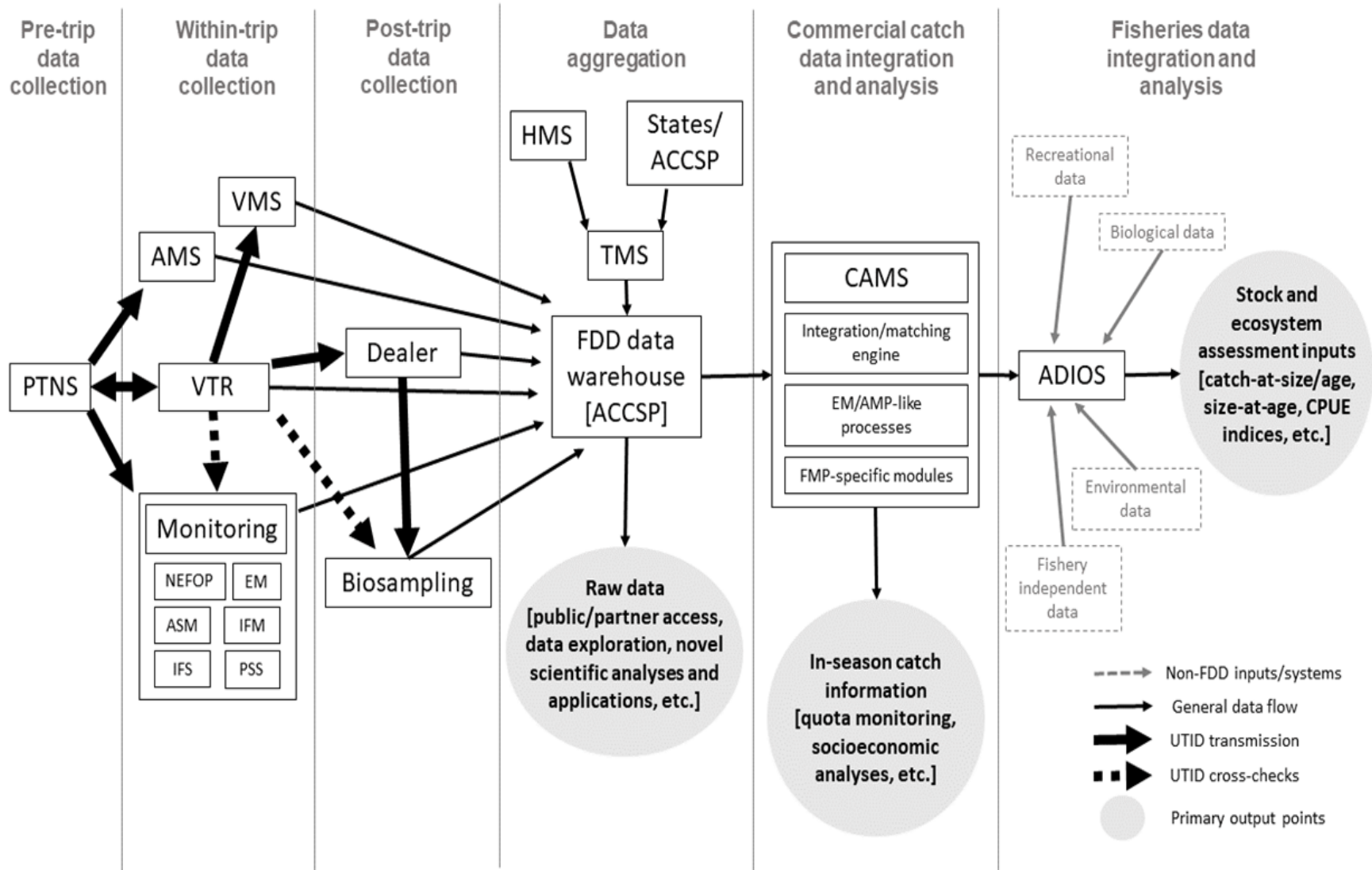
- Immediate need to ensure access to existing databases to enable continued work by primary data users
  - Two issues we are addressing that is creating confusion
    - Access issues to NEFSC and GARFO servers
    - Impending server shut down at NEFSC that would eliminate access to several copies of GARFO databases that were housed at NEFSC
- Transition from area allocation tables (AA Tables) and data matching & imputation system (DMIS) to CAMS
  - AA Tables - AA Table production stopped in 2019
    - Replicate AA landings tables for 2020 - 2023 (data for calendar years 2020-2023) have been created in CAMS and can be shared
    - Replicate AA landings tables will not be continuing after 2023
  - DMIS - will not be continuing after September (target date)
    - DMIS social science branch (SSB) tables for the current year (used for groundfish/sector management) has been updated to the end of March
    - DMIS SSB tables will not continue after groundfish FY22 is finalized (i.e., data reconciliation identified through auditing is complete). Approximately September
    - Equivalent data (in different forms) is all available in a CAMS tables. We plan to help SSB users transition to these CAMS tables via workshops and direct contact as needed



# CAMS Transition

- CAMS Availability
  - CAMS Landings
    - CAMS landings tables and associated support tables are completed and available to users
      - The only exception are surf clam & ocean quahog data
        - Data is in CAMS but we are sorting out a duplication issue
        - Should be resolve by our next run
    - CAMS landings data is available from 2007 to present and has been used for assessments (for calendar years 2020 and onward) and data requests
  - CAMS Discards
    - Teams of quota monitoring and stock assessment leads are examining discards for each stock and recommending final settings for CAMS
    - Expect to be completed shortly
- Access to CAMS output tables and training
  - Monthly meetings noted earlier
  - Workshop(s) for primary points of contact and primary users

# Greater Atlantic Detailed Fisheries Dependent Data Flow



# Questions?