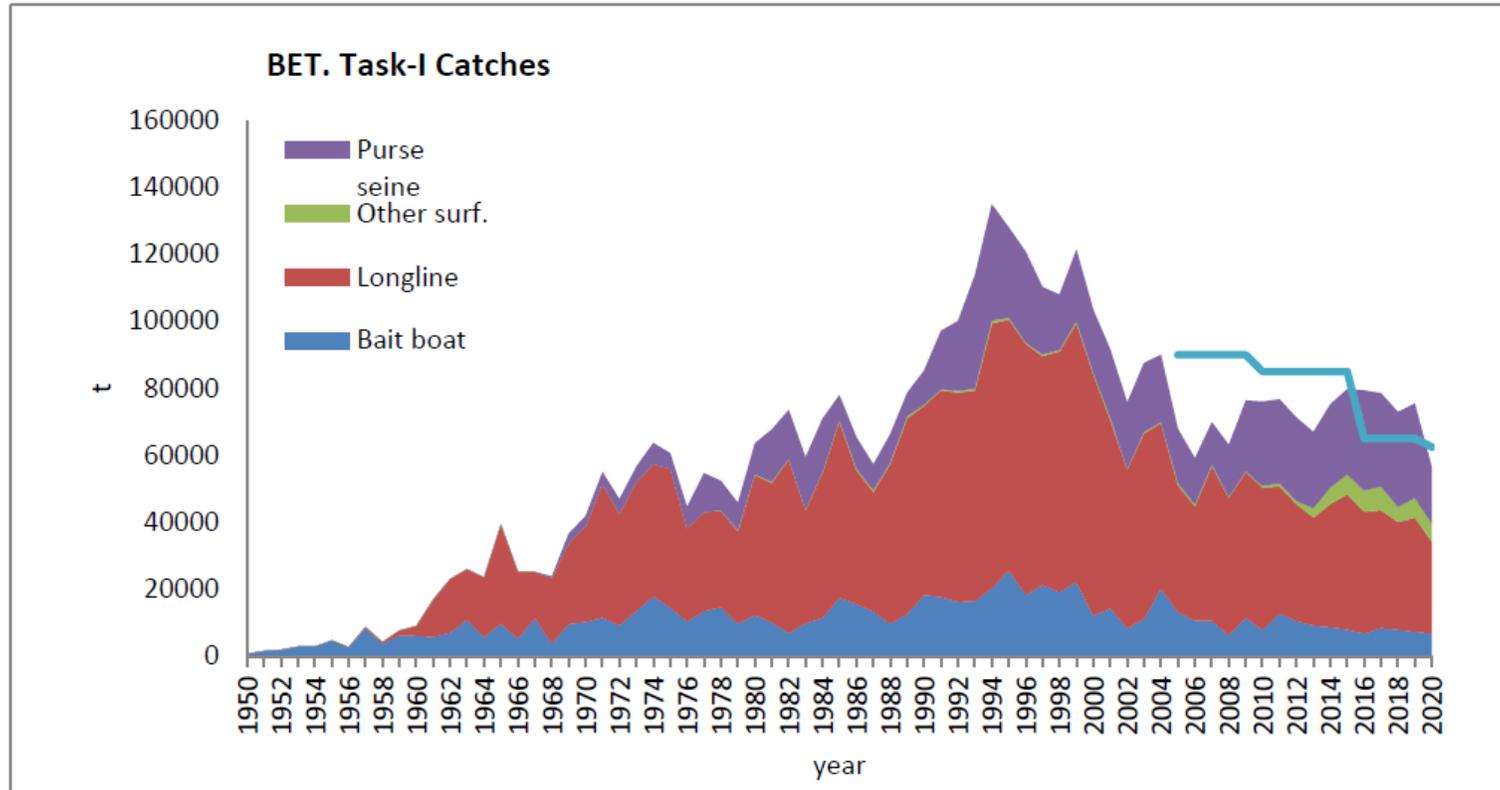


# BET CATCHES

Preliminary results of the WG  
Not adopted by the SCRS



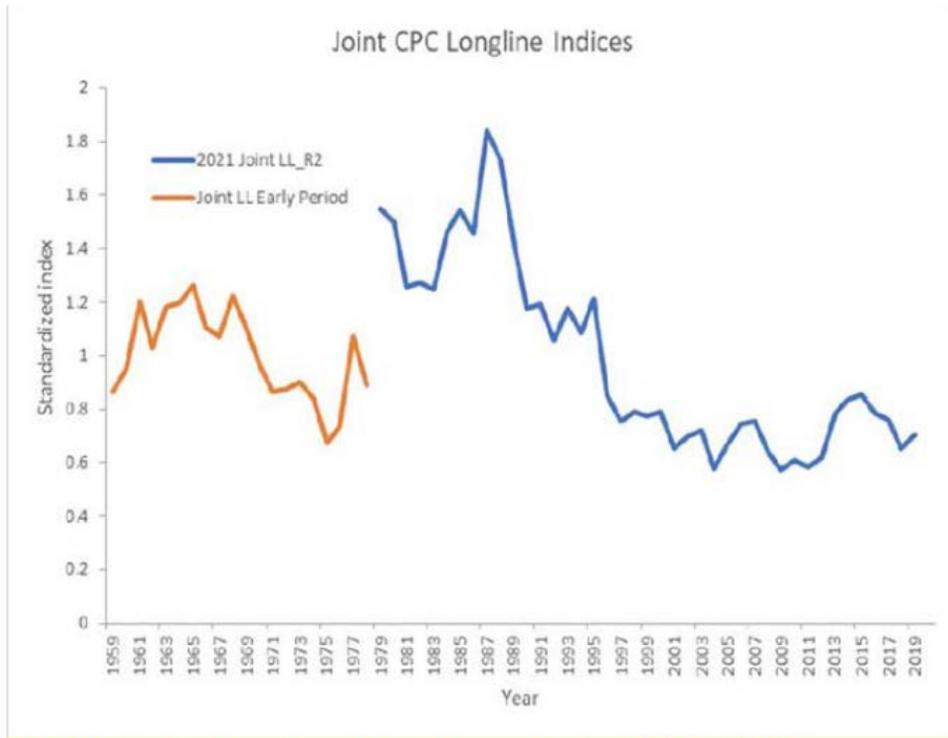
**BET-Figure 3.** Bigeye estimated and reported catches for all the Atlantic stock (t). The value for 2020 represents catch reports until September 18, 2021.

Two more years of data

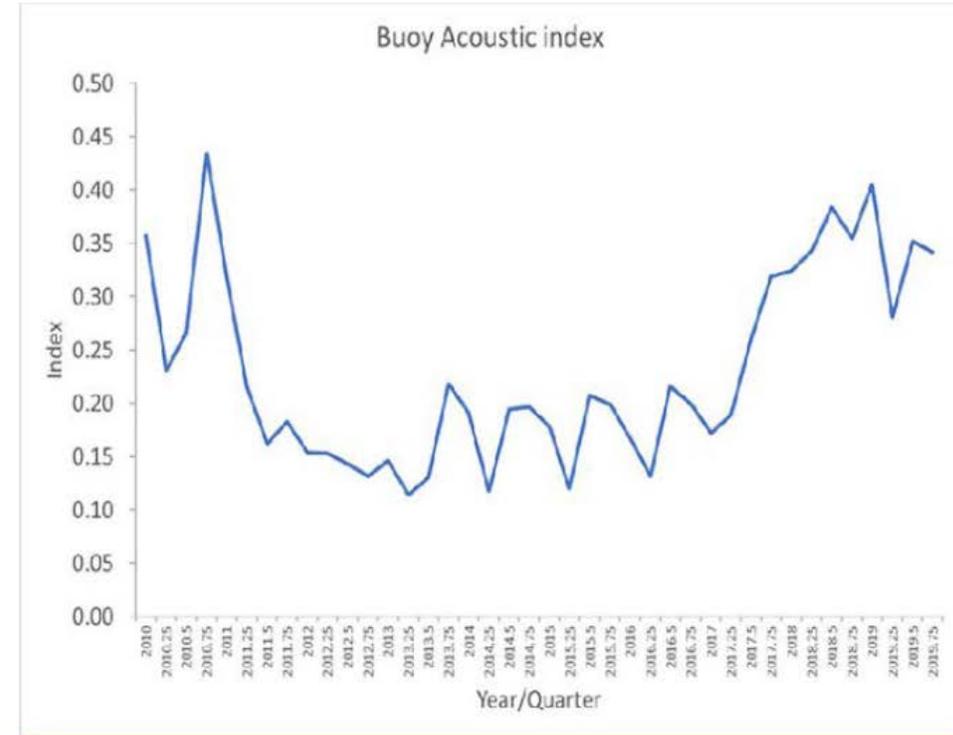
Nominal catches in the last five years have exceeded the agreed TAC by around 20%, except in 2020

# TWO INDICES

Preliminary results of the WG  
Not adopted by the SCRS



BET-Figure 4. Annual joint longline index for 1959 to 2019.



BET-Figure 5. Quarterly abundance index from acoustic buoys used in the FAD fishery for 2010 to 2019.

2018: Joint LL CPUE using OPERATIONAL DETAILED data (including set by set and vessel ID) of LL major fleets (Japan, Korea, US and Taiwan) from 1959-2017

2021: Joint LL CPUE using AGGREGATED data of LL major fleets (Japan, Korea and Taiwan) from 1959-2019

Acoustic echosounder buoy index associated with FADs

# THREE AXIS OF UNCERTAINTY

- Steepness
- SigmaR
- **Natural mortality**

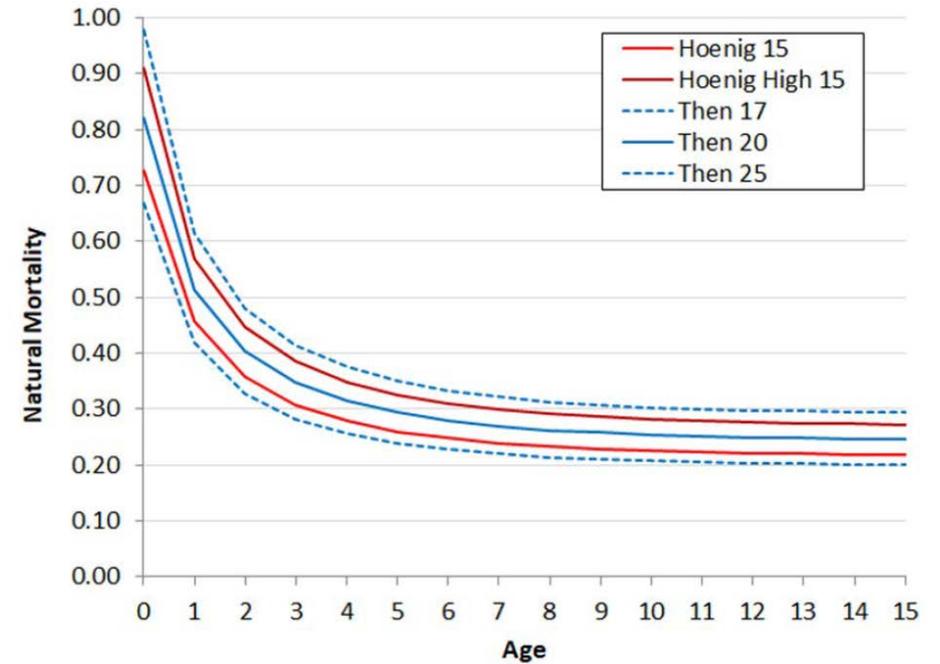


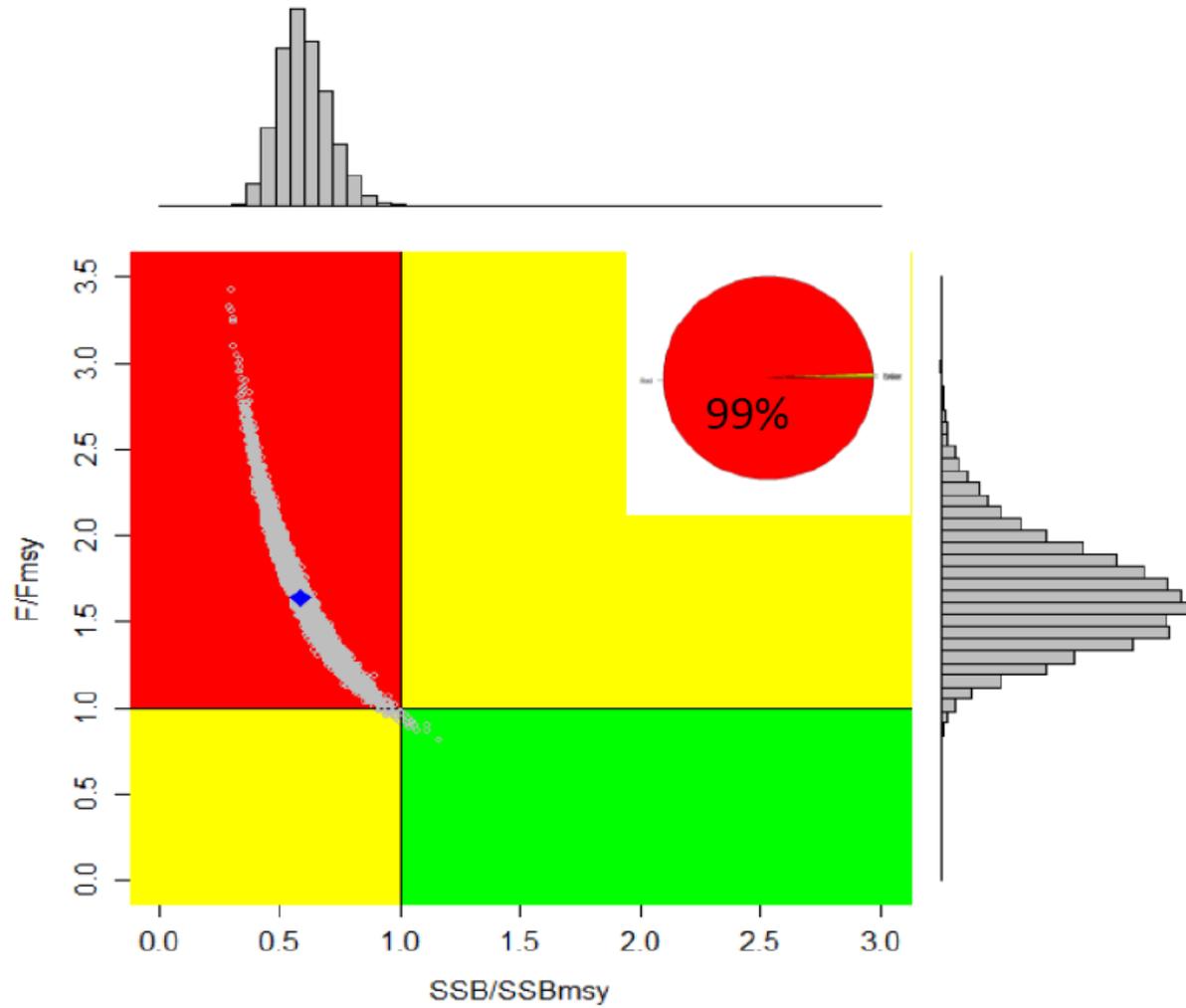
Figure 8. Natural mortality at age assumptions used for the Stock Synthesis model runs. Red lines represent assumptions used in the 2018 BET assessment. Blue lines represent the assumptions made in the current assessment.

|                   |      |            |            |           |
|-------------------|------|------------|------------|-----------|
| Steepness         |      | 0.7        | 0.8        | 0.9       |
| SigmaR            |      | 0.2        | 0.4        | 0.6       |
| Natural mortality | 2018 | Mref(0.28) | Malt(0.35) |           |
|                   | 2021 | MaxAge 17  | MaxAge 20  | MaxAge 25 |

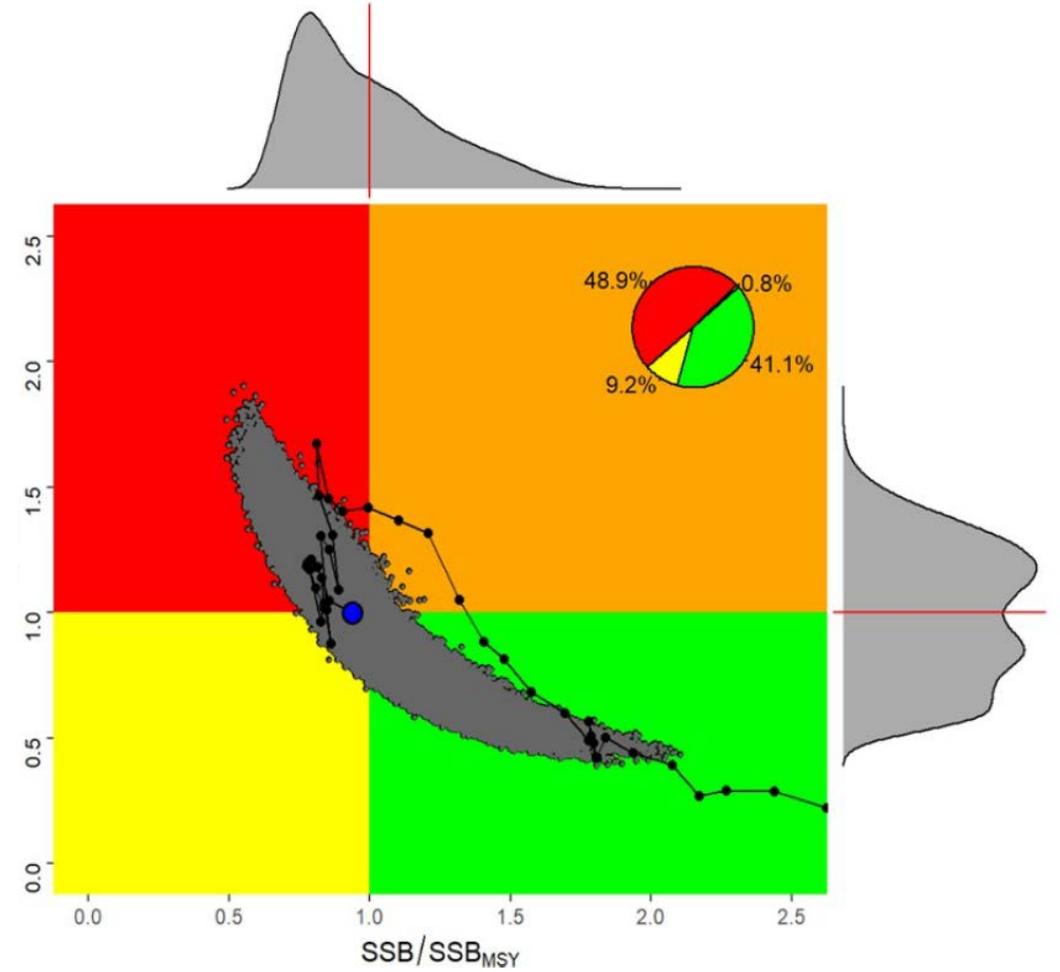
Preliminary results of the WG  
Not adopted by the SCRS

# STOCK STATUS

Preliminary results of the WG  
Not adopted by the SCRS



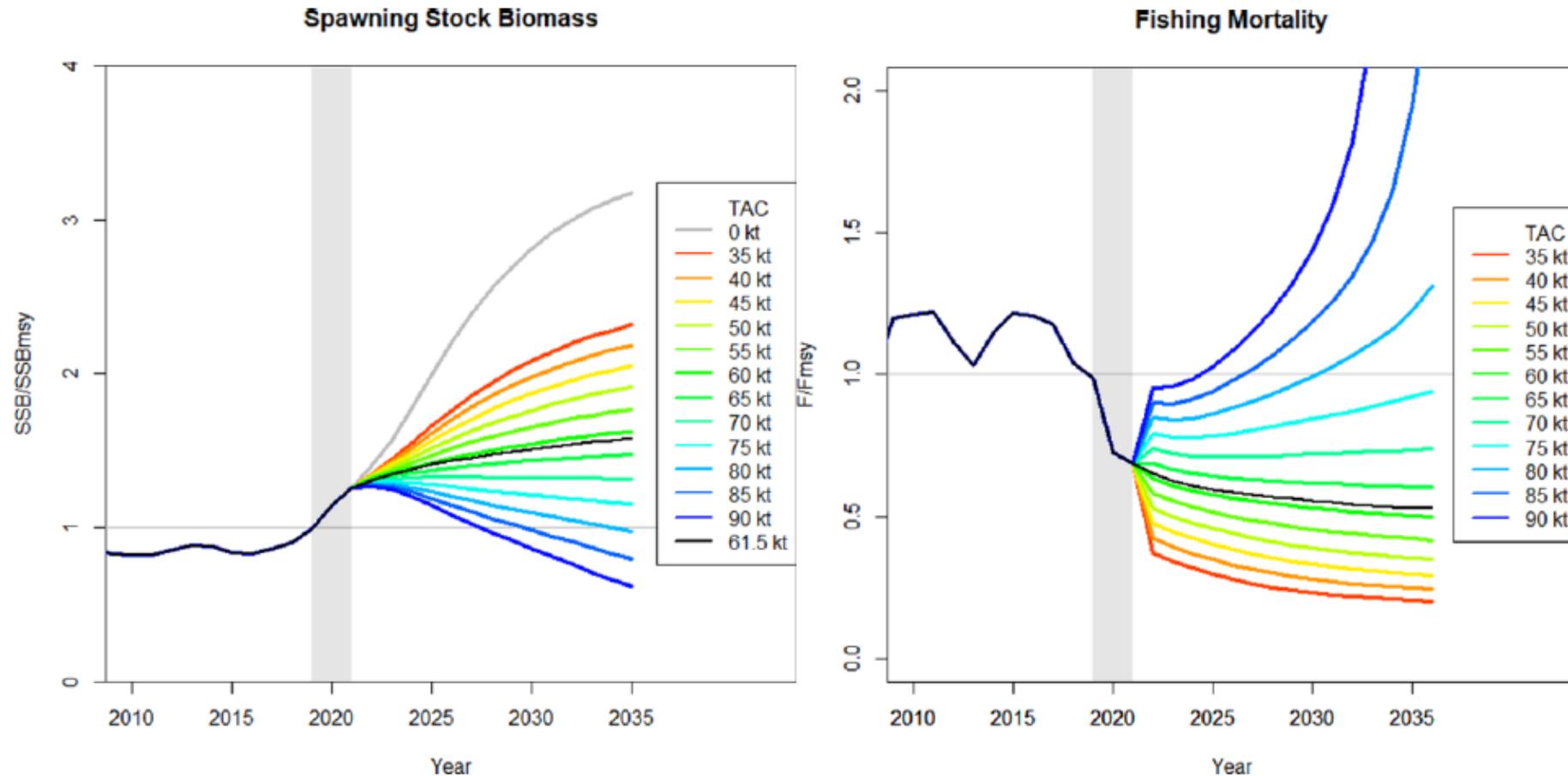
2018



2021

# PROJECTIONS

Preliminary results of the WG  
Not adopted by the SCRS



- Future constant catch of 61,500 t [current TAC] will have a high probability (97%) of maintaining the stock in the green quadrant of the Kobe plot by 2034
- Projection probabilities should be interpreted with caution.