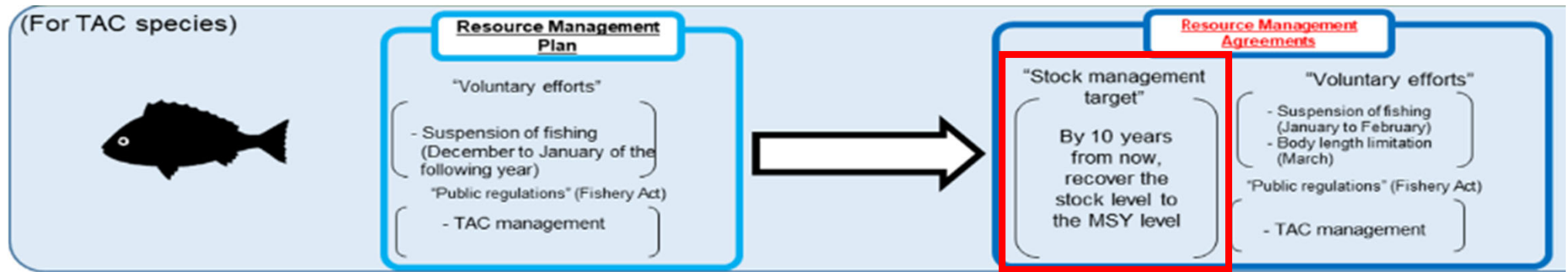


- In the FY2021 harvest control rules and ABC calculations, it seems that the fisheries are managed to MSY reference points. But the projections manage to SPR reference points. Please provide some more details on the projections.



<https://www.jfa.maff.go.jp/e/annualreport/attach/pdf/index-1.pdf> P.19

Probability(%) for SB to exceed the proposed SBMSY Pacific stock of Japanese anchovy


$\beta$	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2043	2053
1.0	0	100	99	76	58	51	47	46	45	45	45	46	45	45	45
0.9	0	100	99	83	69	64	61	61	59	59	59	60	60	59	59
0.8	0	100	99	89	80	76	74	74	73	73	74	74	73	73	73
0.7	0	100	99	93	88	86	86	85	85	85	85	85	85	84	85
0.6	0	100	99	96	94	93	93	93	93	93	93	93	93	93	93
0.5	0	100	99	98	98	97	98	97	97	98	98	98	97	97	97



- The projections seem to have the same 30 year time horizon (2022-2052). Please provide some more background behind the 30 years.


Probability(%) for SB to exceed the proposed SBMSY Pacific stock of Japanese anchovy

$\beta$	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2043	2053
1.0	0	100	99	76	58	51	47	46	45	45	45	46	45	45	45
0.9	0	100	99	83	69	64	61	61	59	59	59	60	60	59	59
0.8	0	100	99	89	80	76	74	74	73	73	74	74	73	73	73
0.7	0	100	99	93	88	86	86	85	85	85	85	85	85	84	85
0.6	0	100	99	96	94	93	93	93	93	93	93	93	93	93	93
0.5	0	100	99	98	98	97	98	97	97	98	98	98	97	97	97


  
10 years

Northern Sea of Japan stock of Walleye Pollock

$\beta$	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2041	2051
1.0	0	0	0	0	0	0	0	0	0	0	1	1	2	12	24
0.9	0	0	0	0	0	0	0	0	0	0	1	1	2	16	31
0.8	0	0	0	0	0	0	0	0	0	1	1	2	3	21	39
0.7	0	0	0	0	0	0	0	0	0	1	1	2	3	27	49
0.6	0	0	0	0	0	0	0	0	0	1	2	3	4	35	59
0.5	0	0	0	0	0	0	0	0	1	1	2	4	6	43	69


  
10 years