

IEO 2022 MEGS SURVEYS

Isabel Riveiro, Gersom Costas, Dolores Garabana, Luisa Iglesias,
María Dolores García, Antonio Solla



INSTITUTO
ESPAÑOL DE
OCEANOGRAFÍA

IEO1 (CAREVA)

ORIGINALLY PLANNED DATES:
13TH MARCH- 3RD APRIL

FINAL DATES:
18TH MARCH- 3RD APRIL



R/V VIZCONDE DE EZA

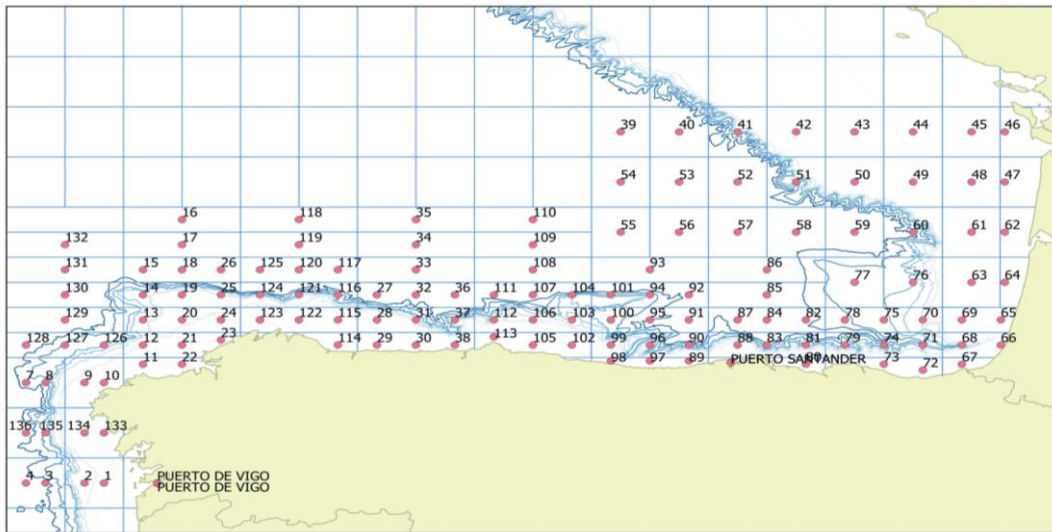


R/V MIGUEL OLIVER

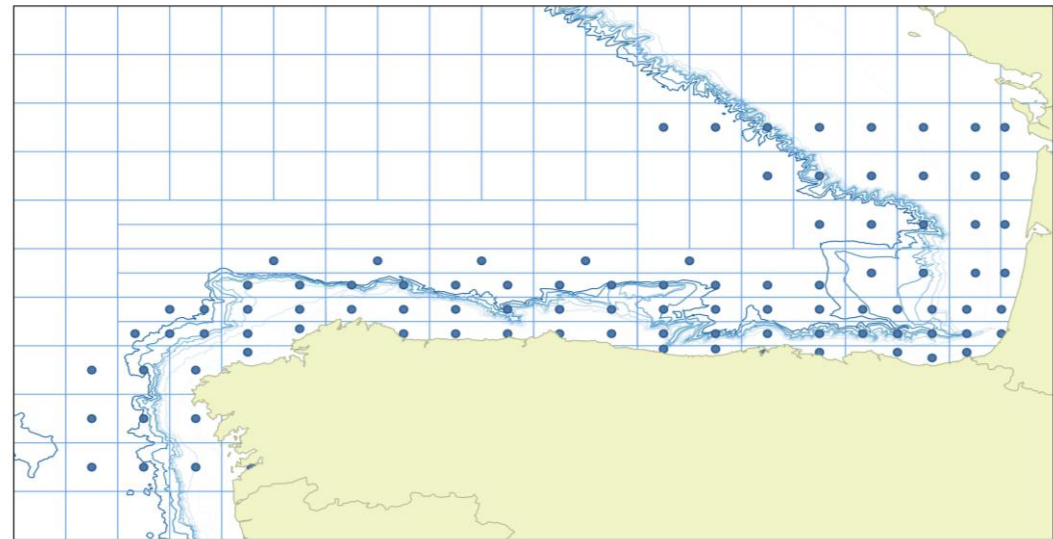
ELECTRICAL PROBLEMS AFFECTING THE ACOUSTIC EQUIPMENT ESSENTIAL FOR THE PELAGO PORTUGUESE SURVEY IN THE MIGUEL OLIVER LED TO A CHANGE OF VESSEL BETWEEN ACOUSTIC AND ICTHYOPLANTON SURVEYS

IEO1 (CAREVA)

ORIGINAL NUMBER OF STATIONS AND COVERAGE



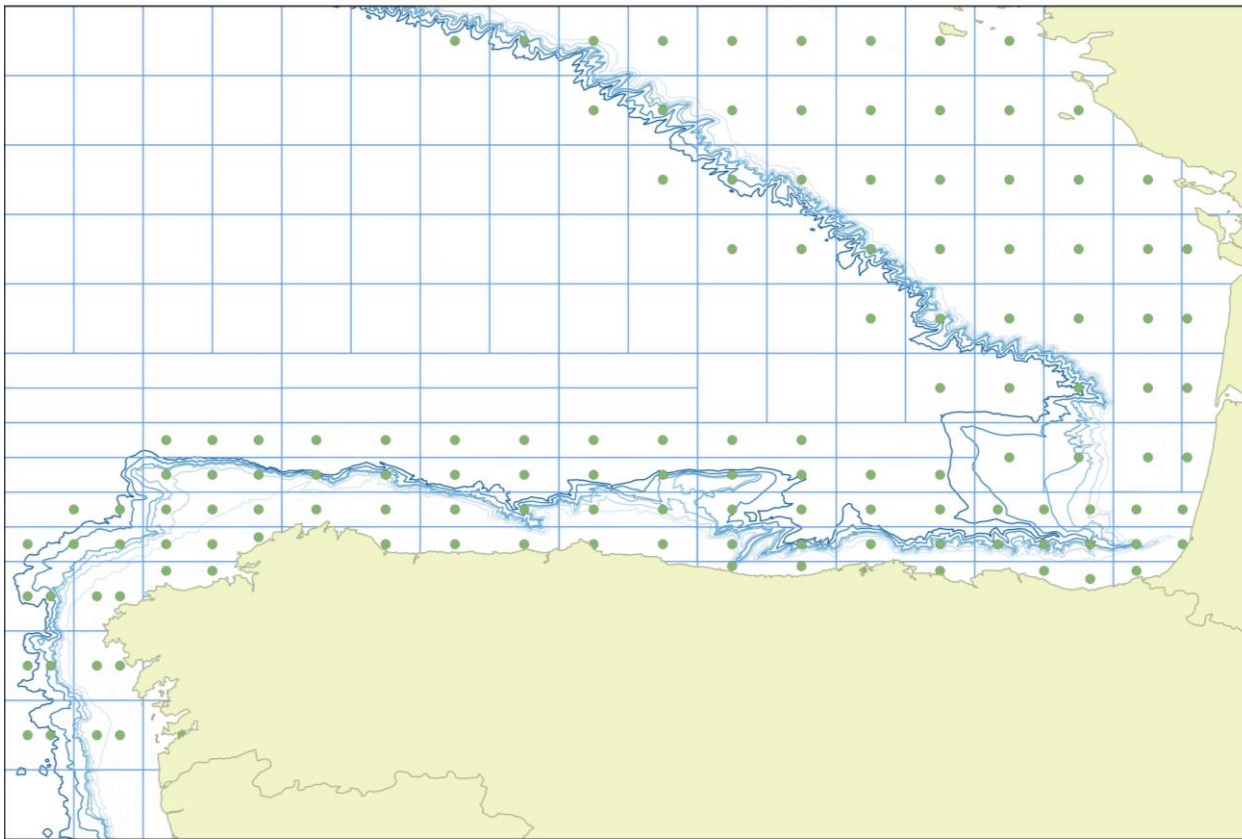
ALTERNATIVE SURVEY DESIGN



REDUCTION FROM A MAXIMUM OF 136 STATIONS TO A MAXIMUM OF 94 STATIONS (BY ~30%)

IEO2 (JUREVA)

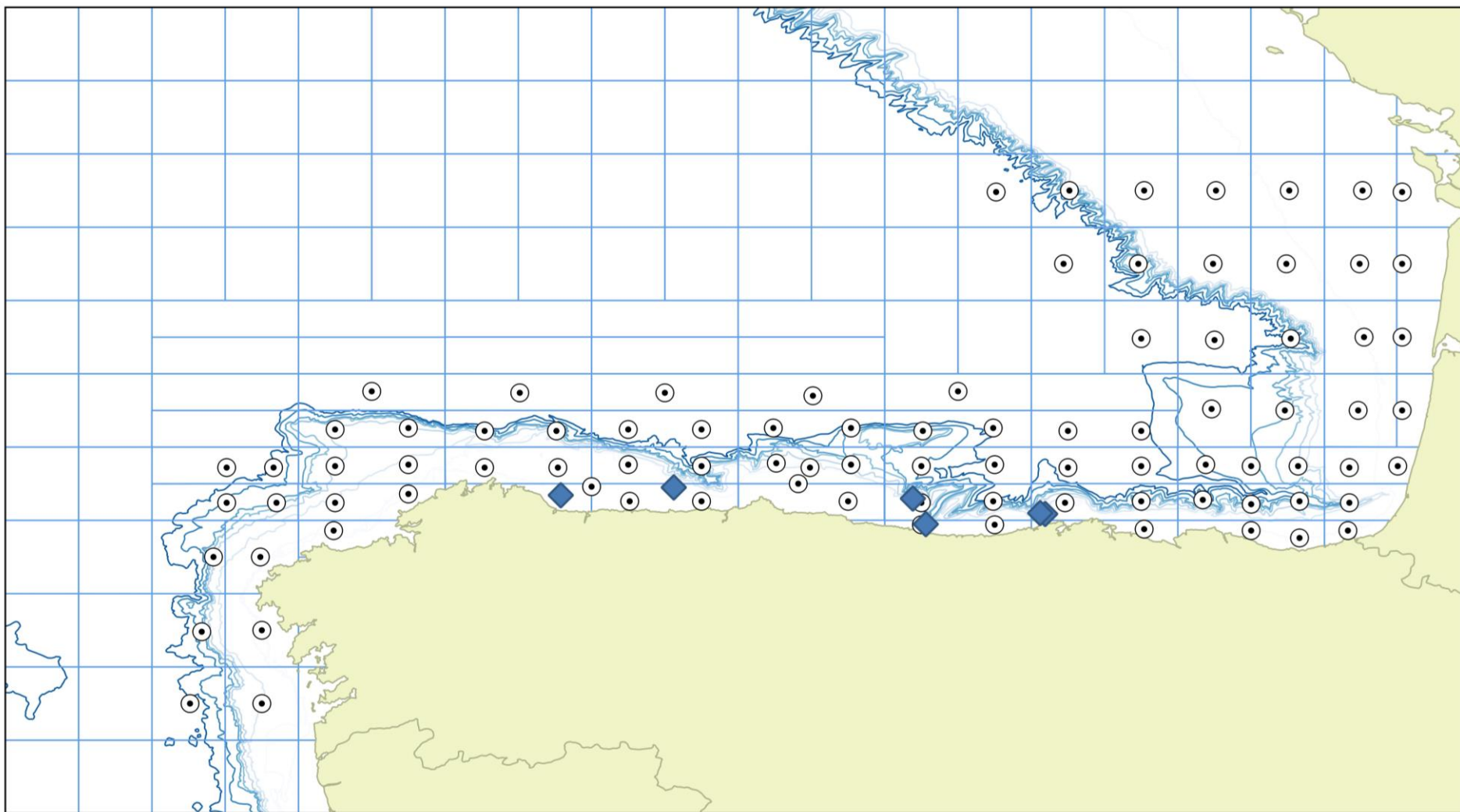
DATES:
4TH-30TH APRIL



R/V MIGUEL OLIVER

RESULTS IEO 1

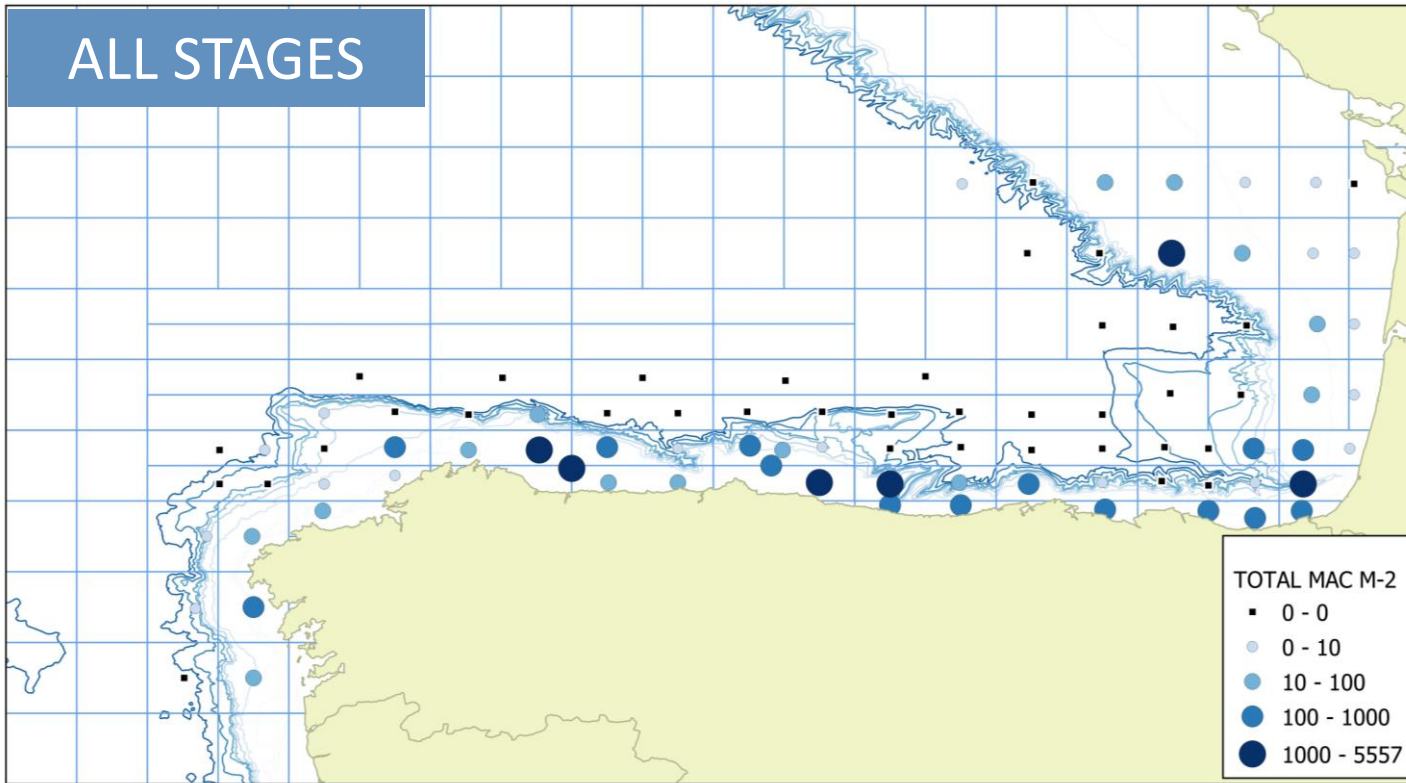
89 PLANKTON STATIONS AND 6 FISHING HAULS



RESULTS IEO 1

MACKEREL

ALL STAGES

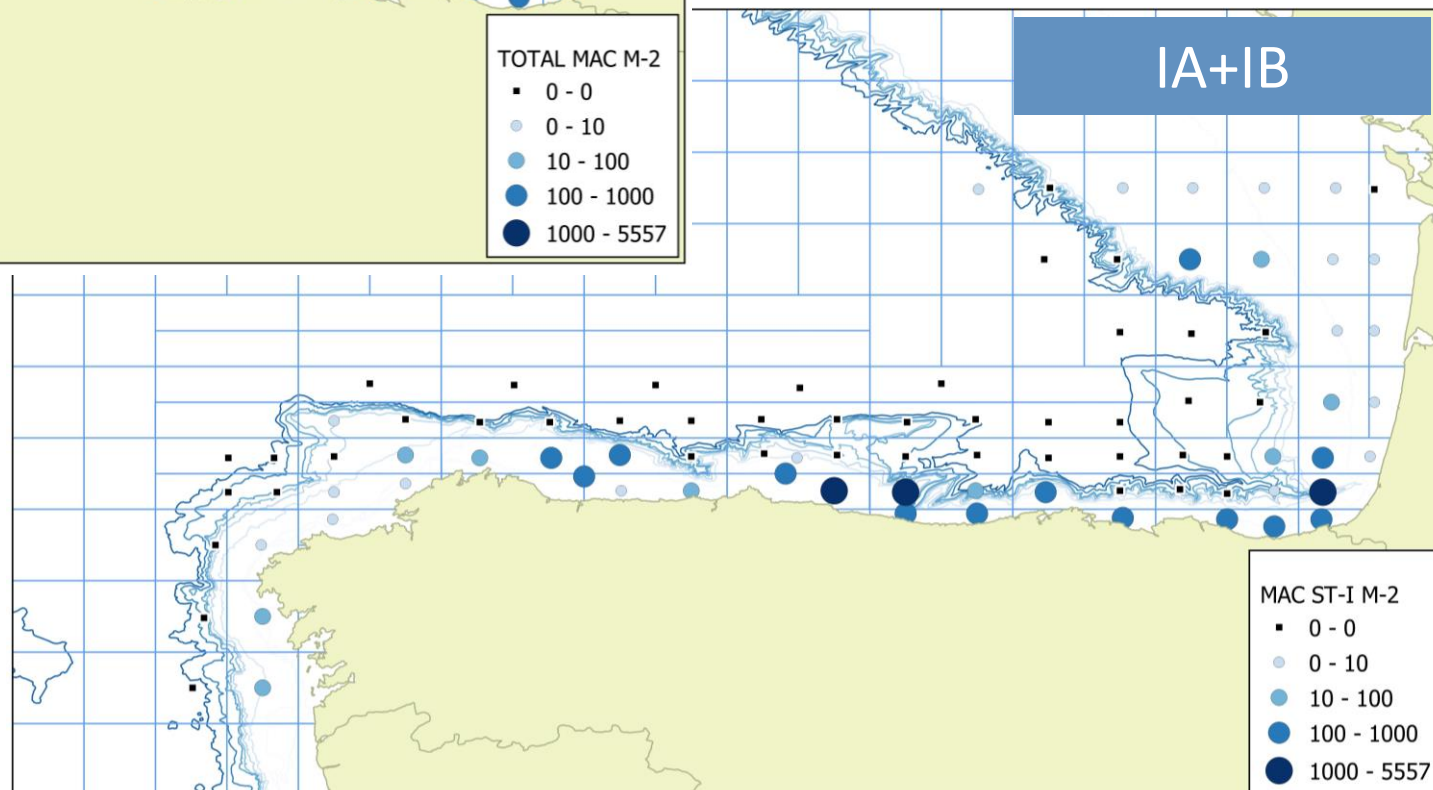


25970 eggs (58% positive st.)

- 292 egg/st in 2022 (607 in 2019, 63% positive st)

AVERAGE DENSITY=240 egg/m²
(2019= 702 egg/m²)

IA+IB

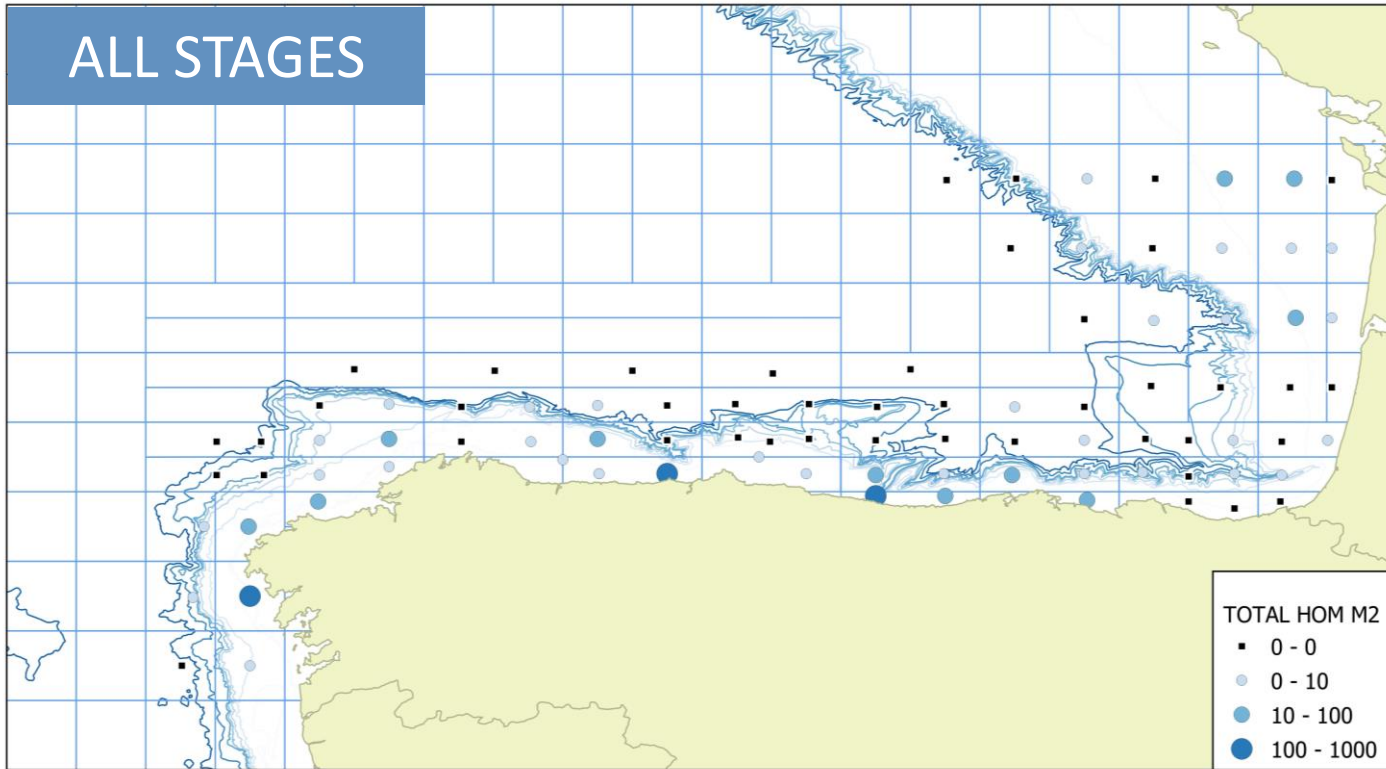


10237 eggs (115 egg/st)

RESULTS IEO 1

HORSE MACKEREL

ALL STAGES

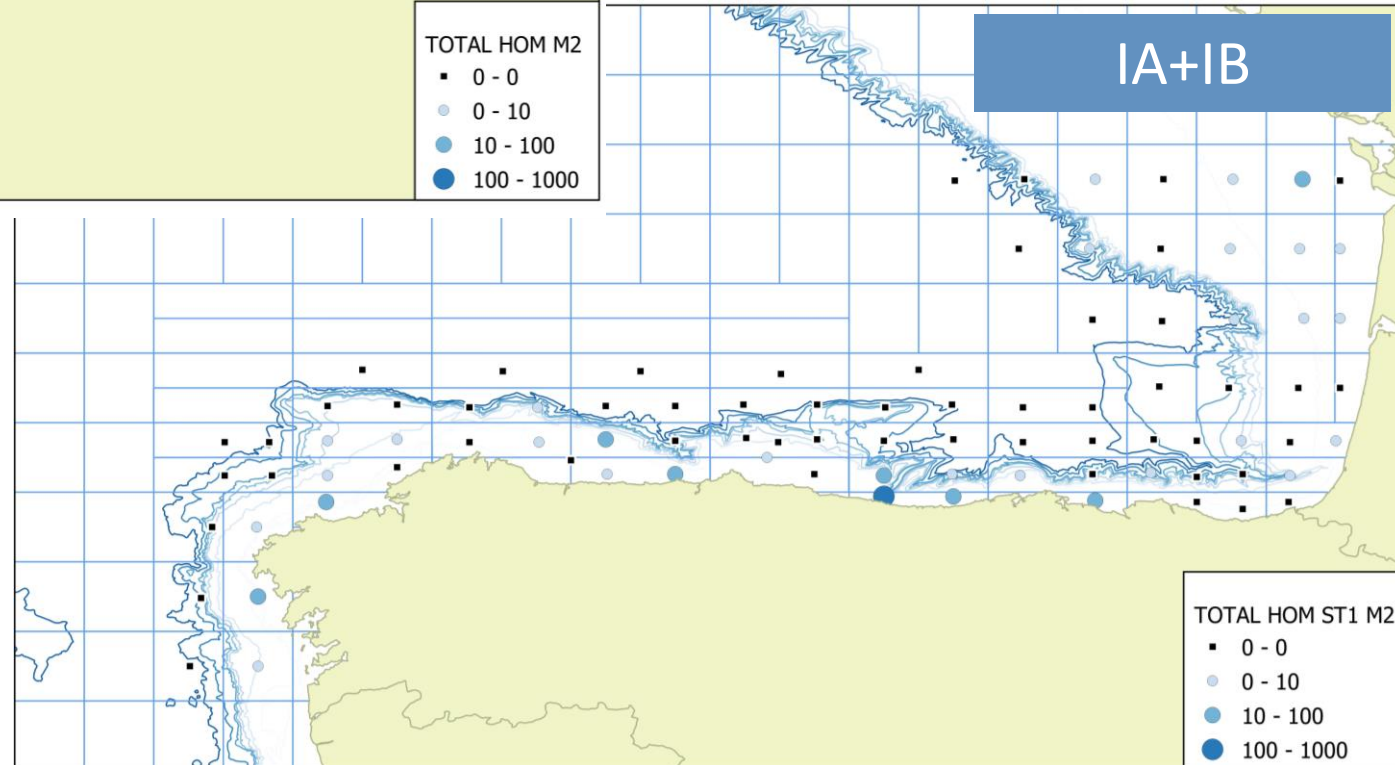


1396 eggs (50% positive st.)

- 16 egg/st in 2022 (16 in 2019, 40% positive st)

AVERAGE DENSITY=11 egg/m²
(2019= 16 egg/m²)

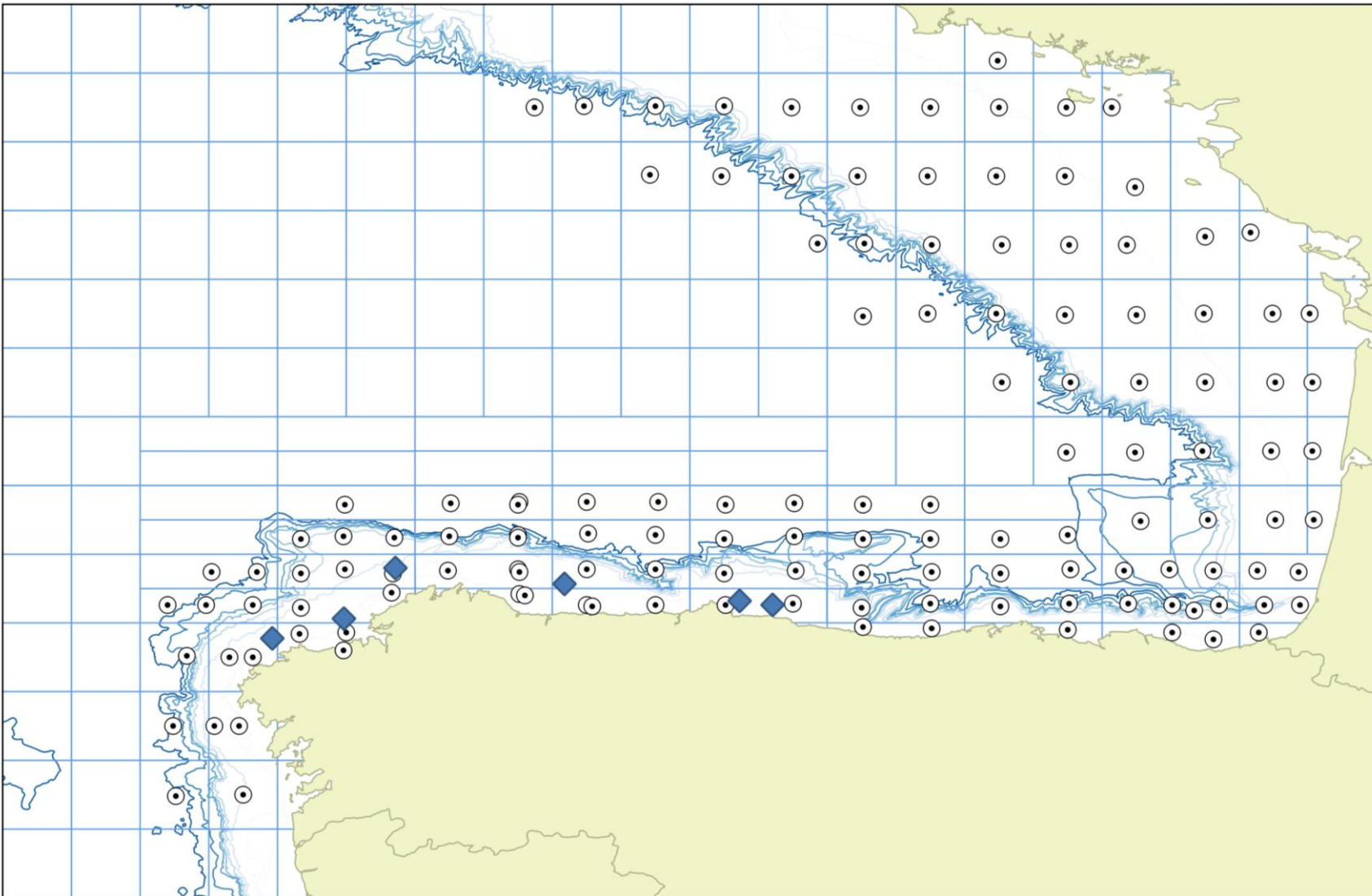
IA+IB



578 eggs (7 egg/st)

RESULTS IEO 2

130 PLANKTON STATIONS AND 6 FISHING HAULS



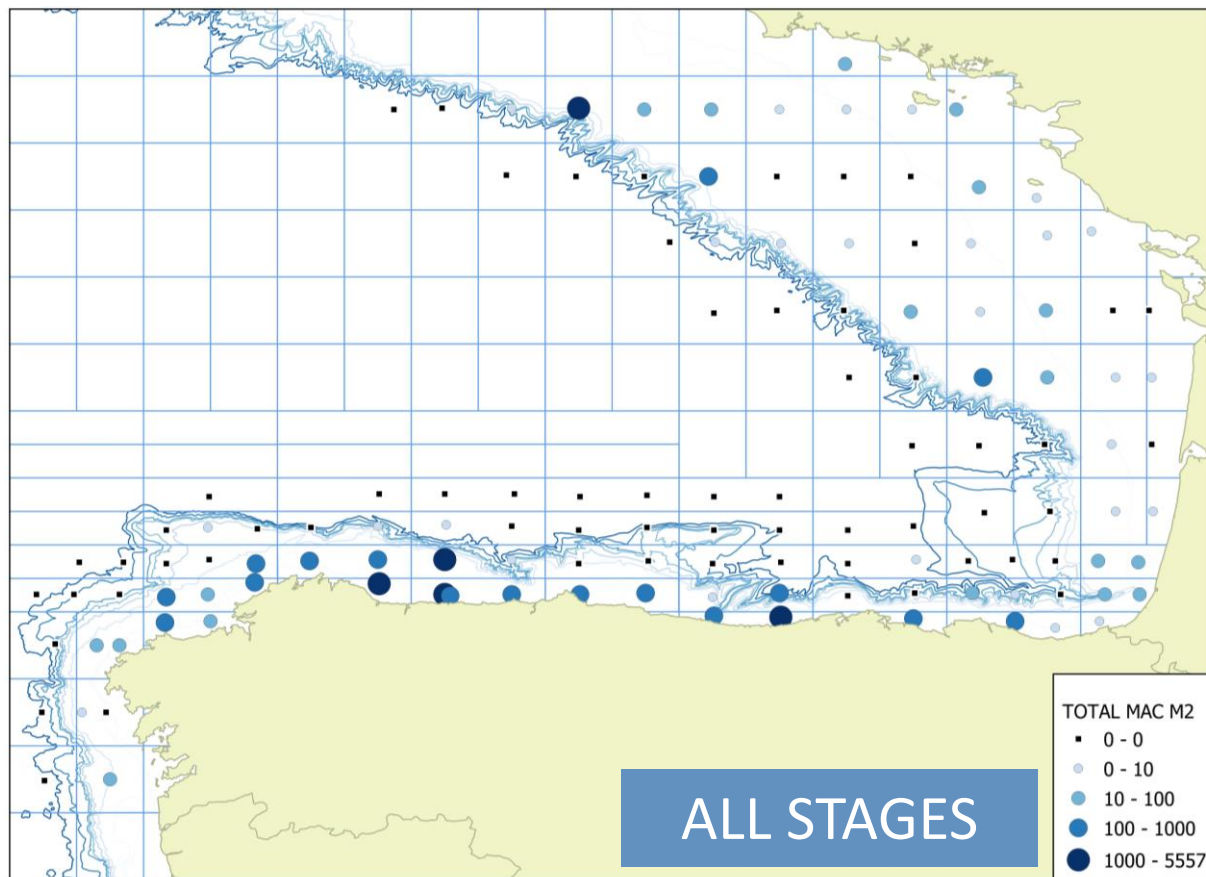
RESULTS IEO 2

MACKEREL

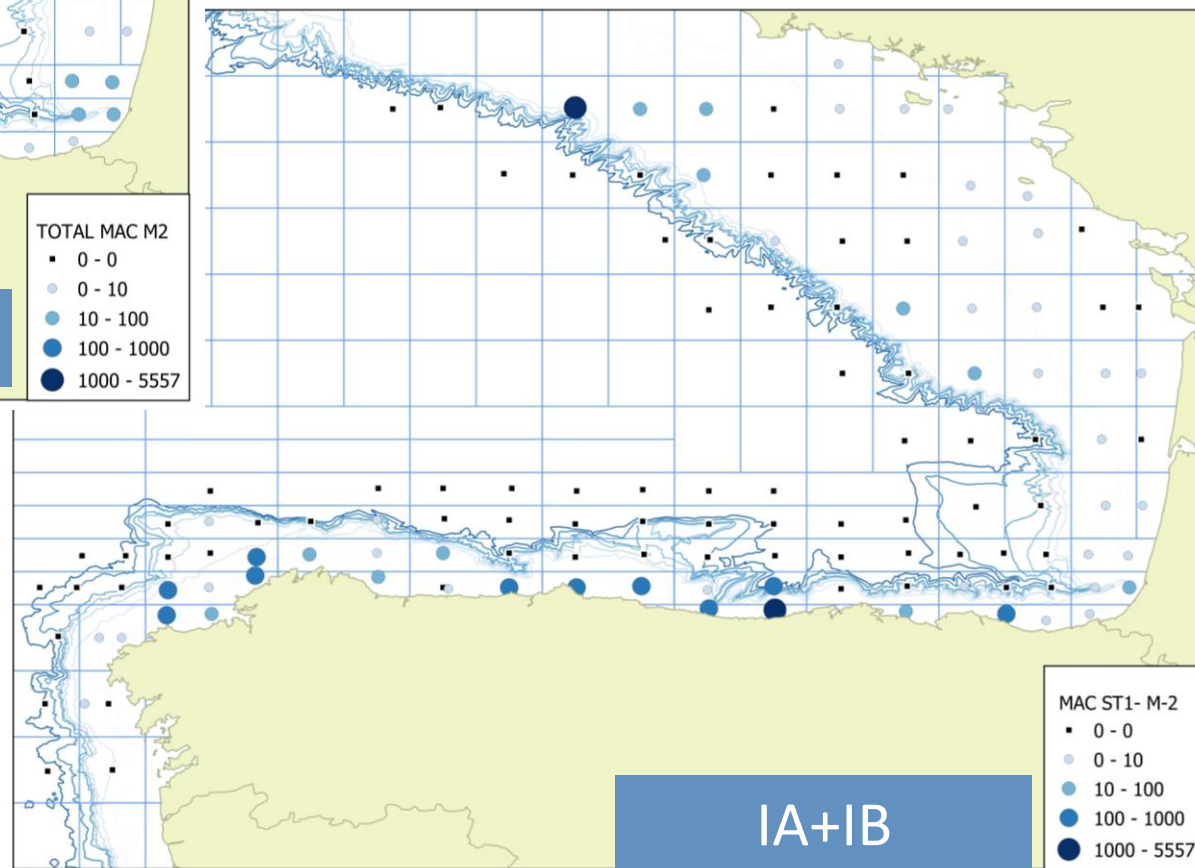
23840 eggs (51% positive st.)

- 183 egg/st in 2022 (195 in 2019, 57% positive st)

AVERAGE DENSITY=157 egg/m²
(2019= 206 egg/m²)



5986 eggs (46 egg/st)



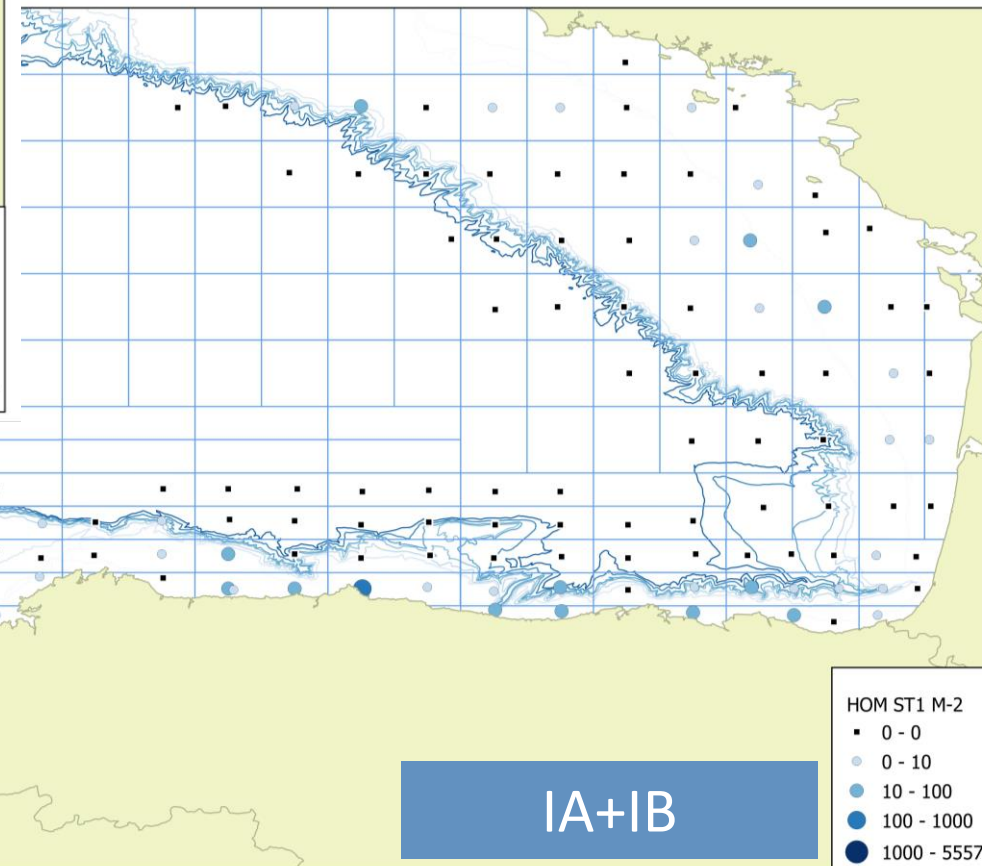
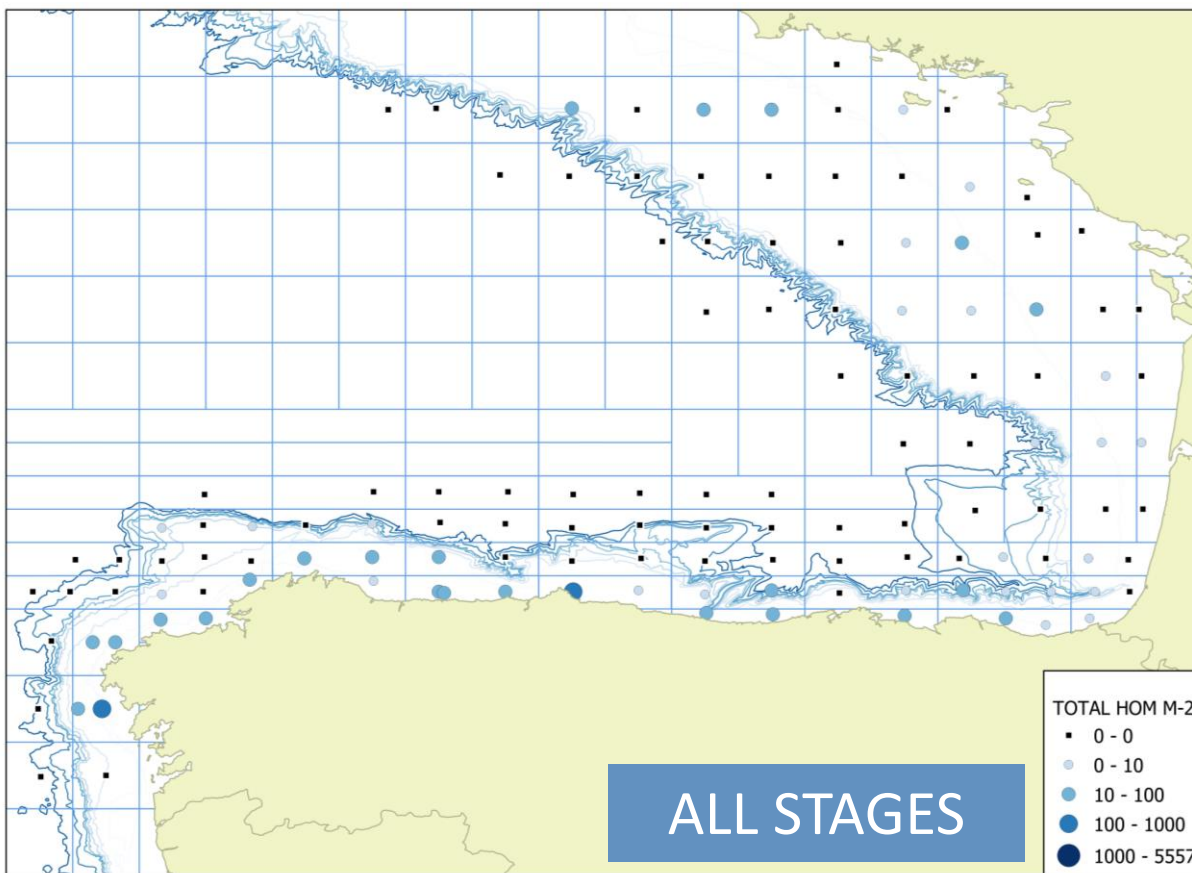
RESULTS IEO 2

HORSE MACKEREL

1677 eggs (38% positive st.)

- 13 egg/st in 2022 (40 in 2019, 40% positive st)

AVERAGE DENSITY=13 egg/m²
(2019= 40 egg/m²)



813 eggs (6 egg/st)



THANK YOU!