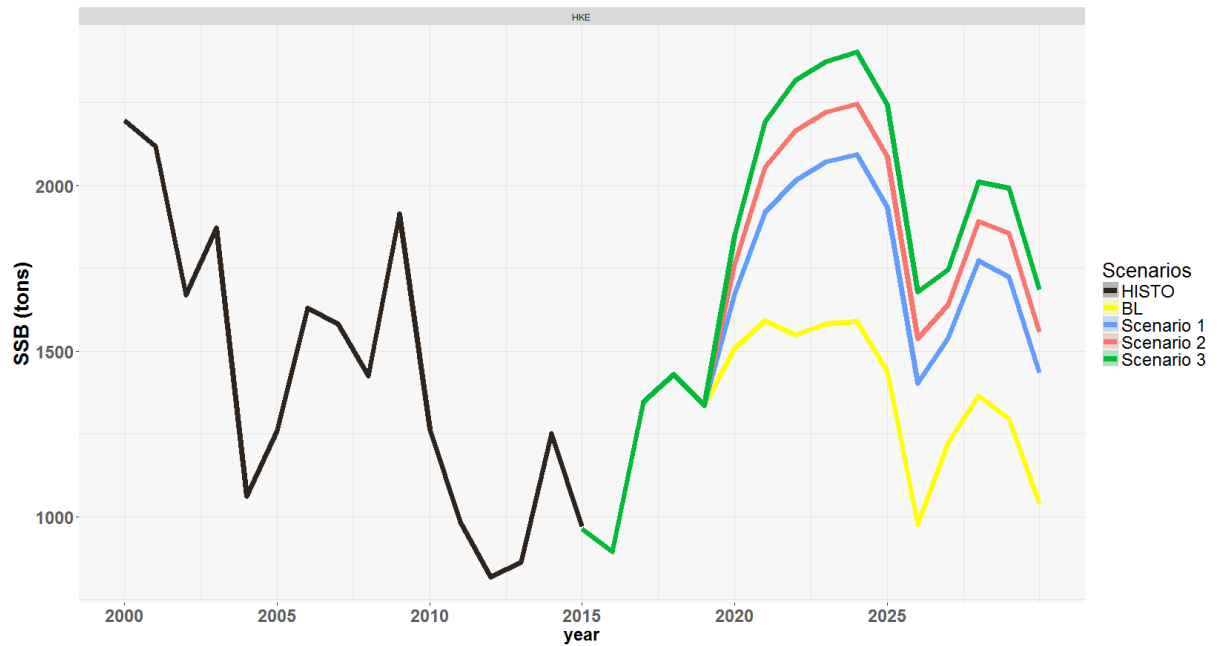


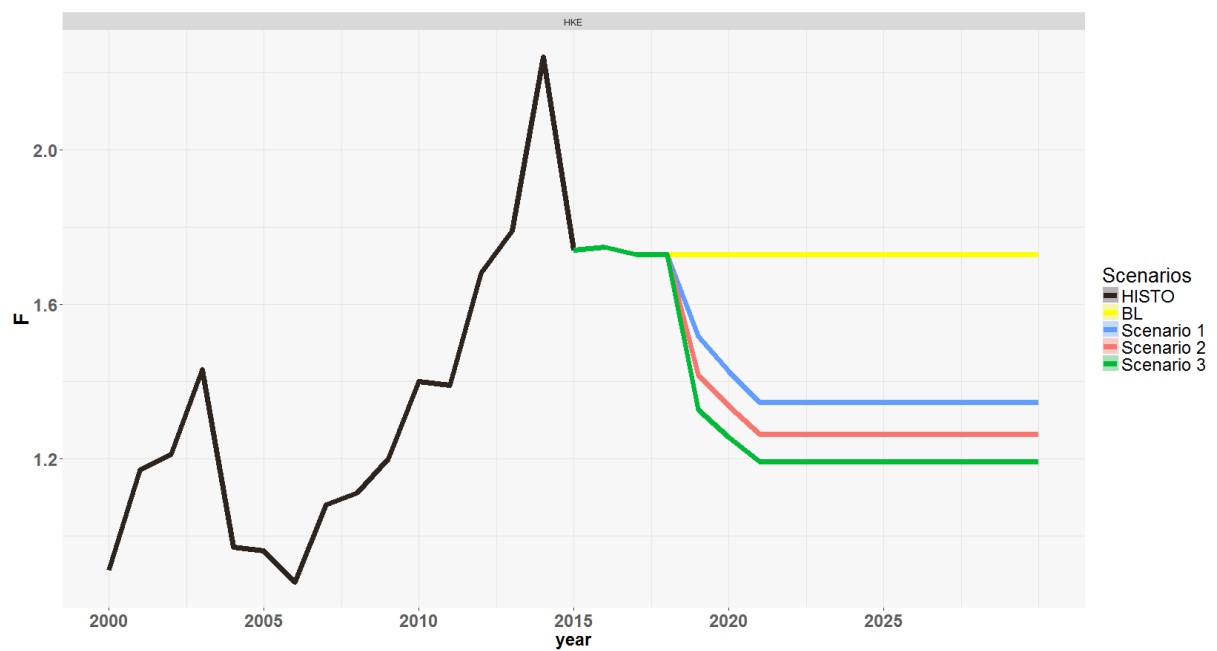
## Annex 5 : additional results from the IAM model

### 1.1 Section A

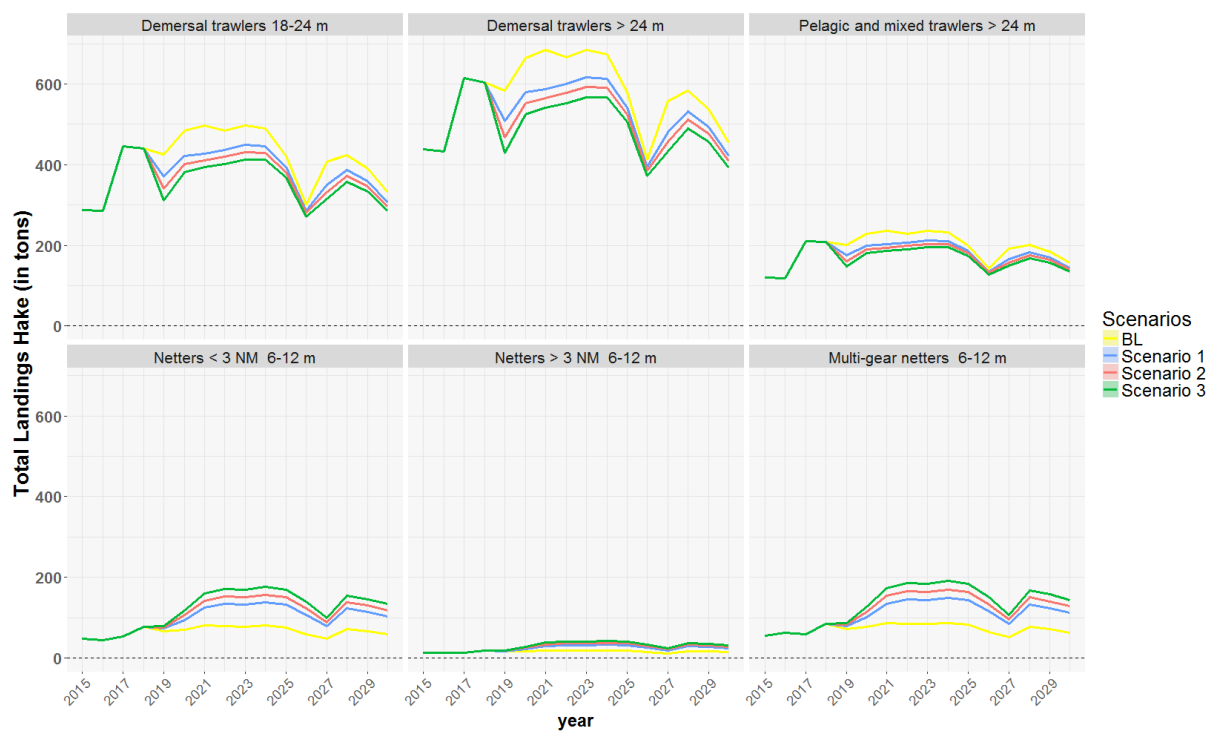
To show the inter-annual variability (due to recruitment stochasticity), only one trajectory is simulated and evolutions of bio-economic indicators under the four fishing effort scenarios (see section 1.4) are displayed in figures A.1 to A.9.



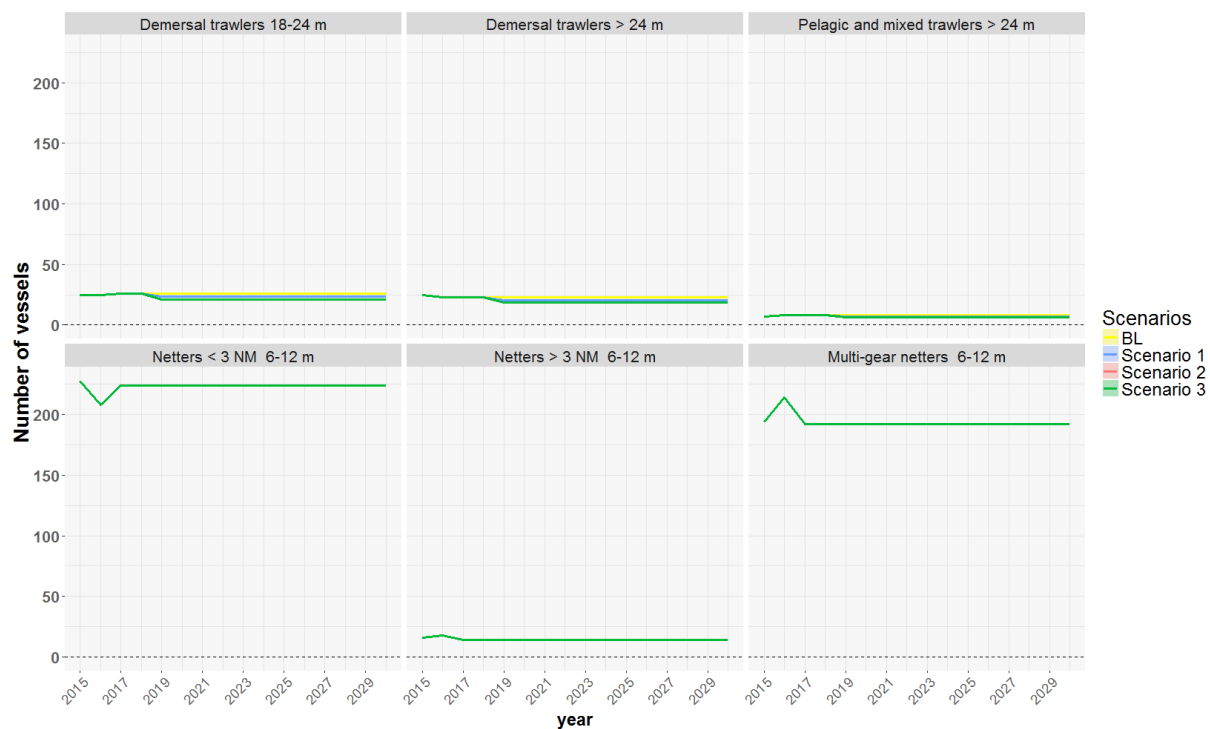
**Figure A.1** Hake SSB (in tons). One trajectory.



**Figure A.2.** Fishing mortality of Hake.



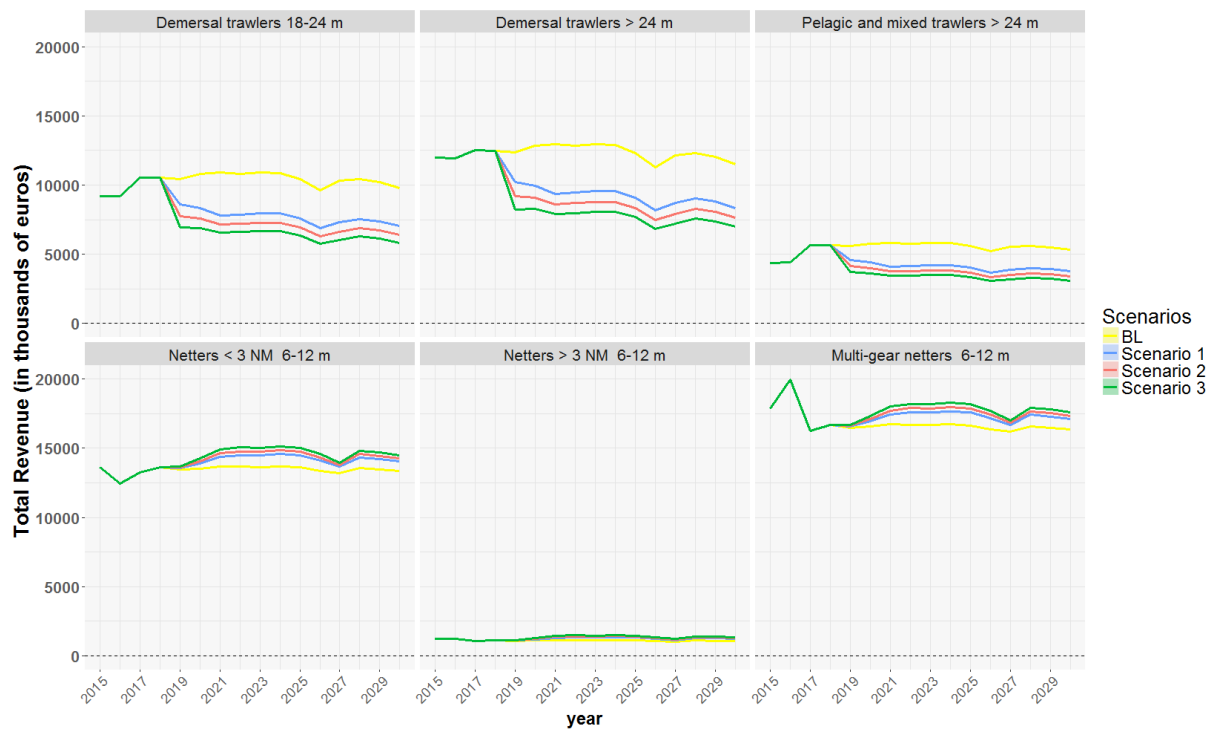
**Figure A.3.** Total annual landings of Hake per fleet (in tons). One trajectory.



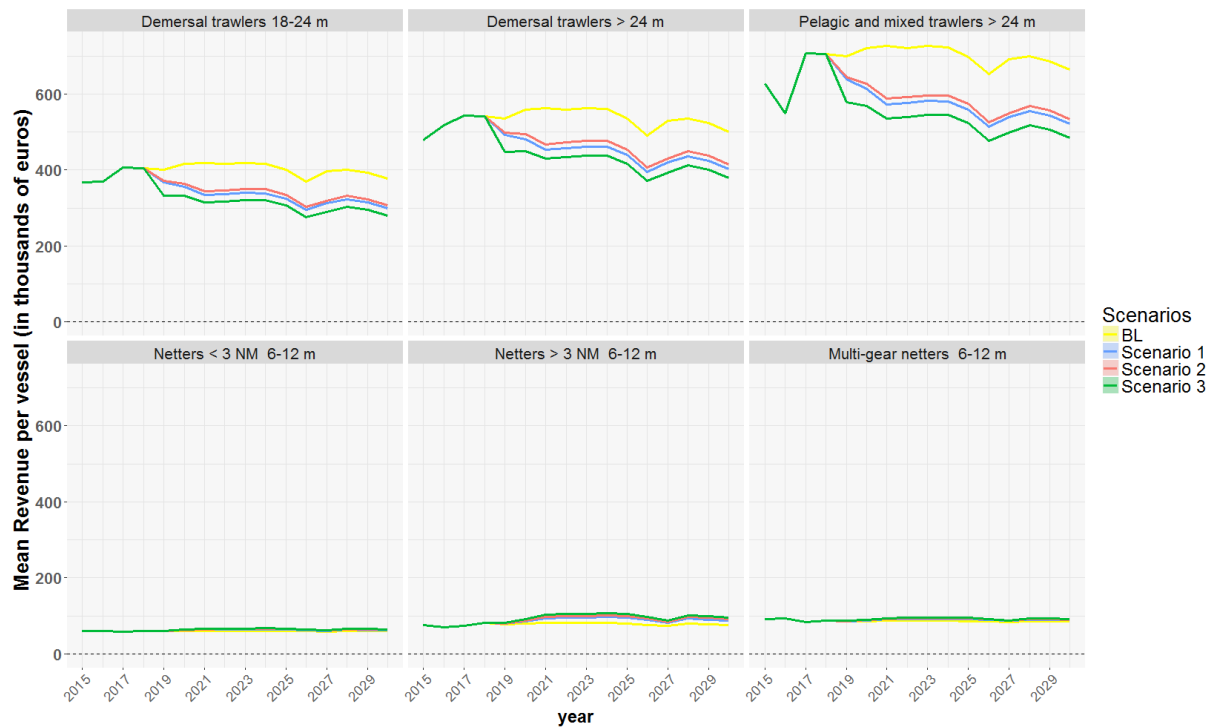
**Figure A.4.** Number of vessels by fleet.



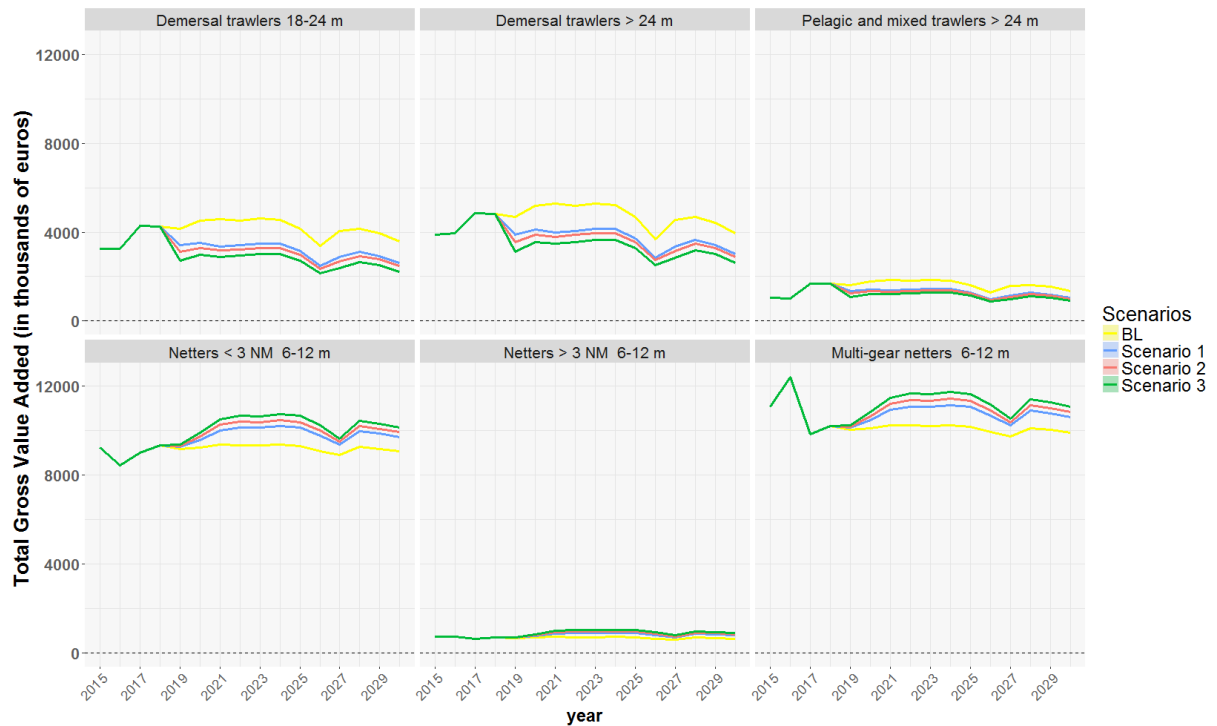
**Figure A.5.** Total annual effort (i.e. number of vessels\*nominal fishing effort) in days at sea per fleet.



**Figure A.6.** Total revenue (values of landings) in thousands of euros per fleet. One trajectory.



**Figure A.7.** Mean revenue (in thousands of euros) by vessel per fleet. One trajectory.



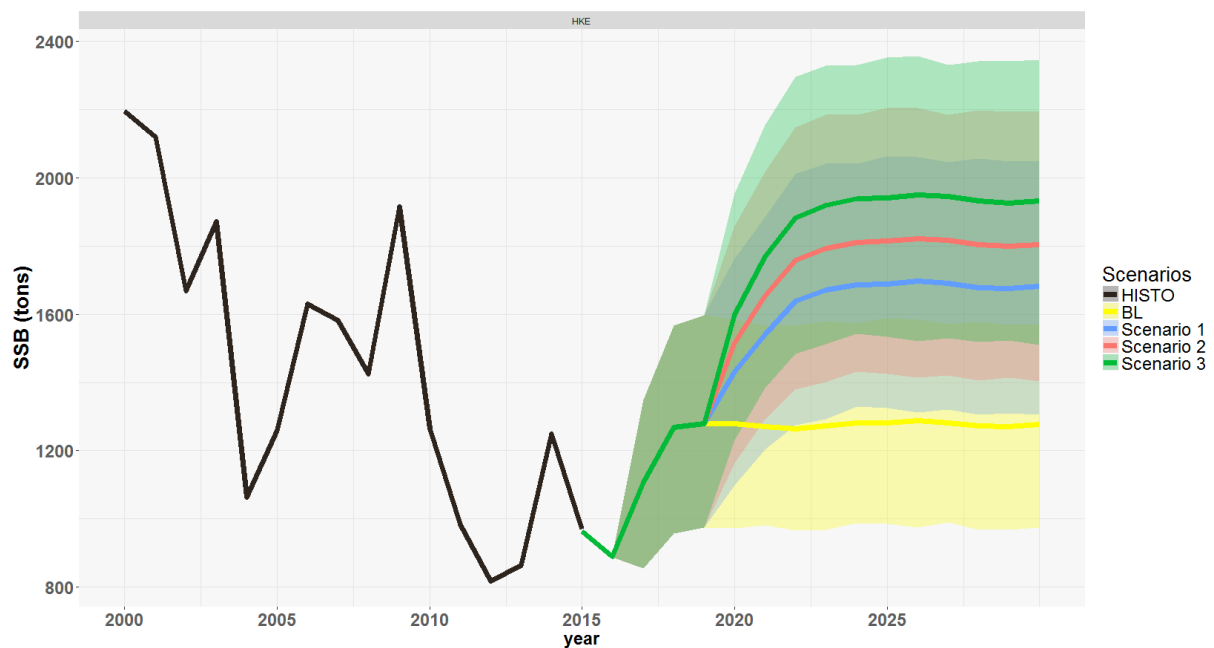
**Figure A.8.** Total Gross Value Added (in thousands of euros) per fleet. One trajectory.



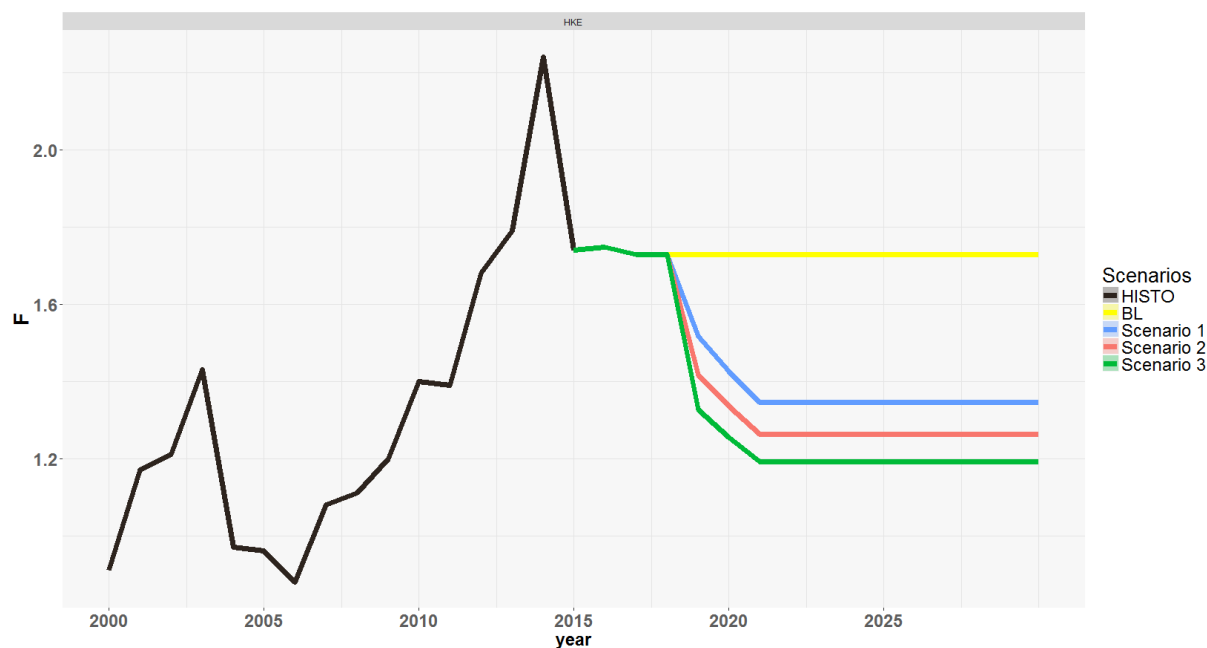
**Figure A.9.** Mean Gross Value Added (in thousands of euros) by vessel per fleet. One trajectory.

## 1.2 Section B

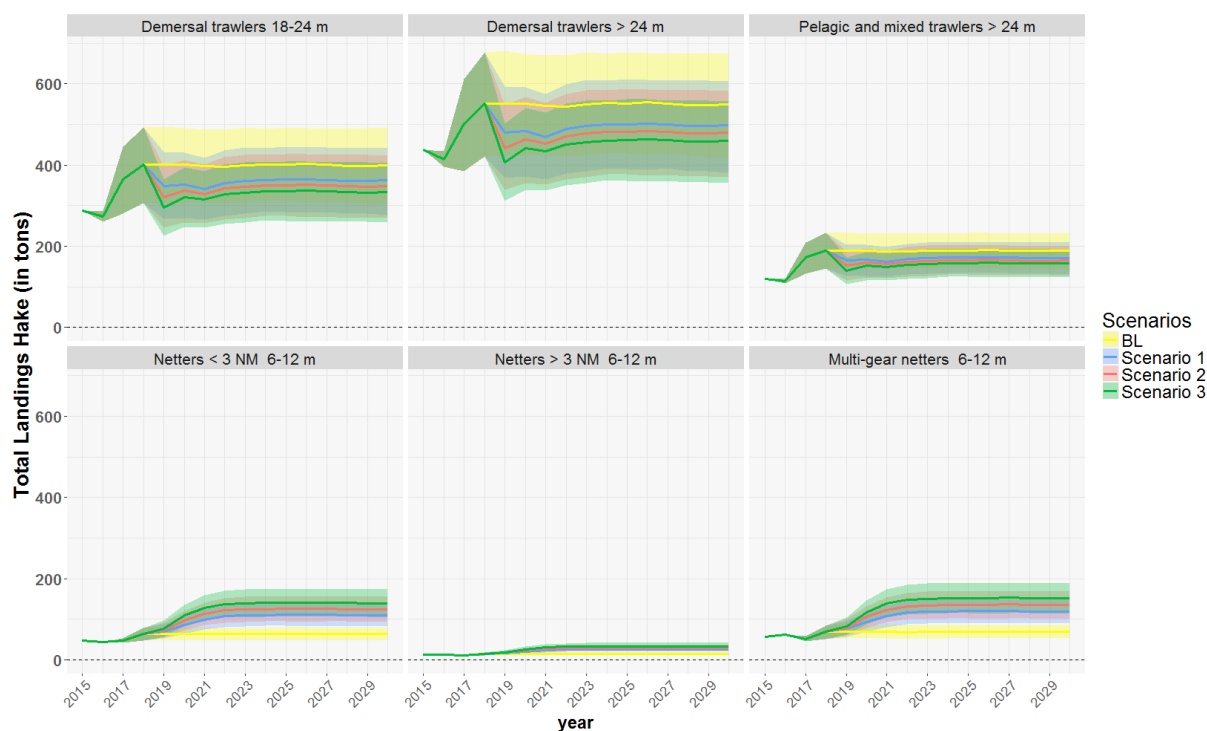
The recruitment scenario in simulations displayed in figures 3 to 11 is based on random values of recruitment drawn from a Normal law distribution with associated mean and standard deviation calculated from 2008-2015 historical data. To compare outputs with another recruitment scenario, figures B.1 to B.9 display outputs of the IAM model with a recruitment scenario based on random values drawn from a uniform with associated minimum and maximum values from 2008-2015 historical data.



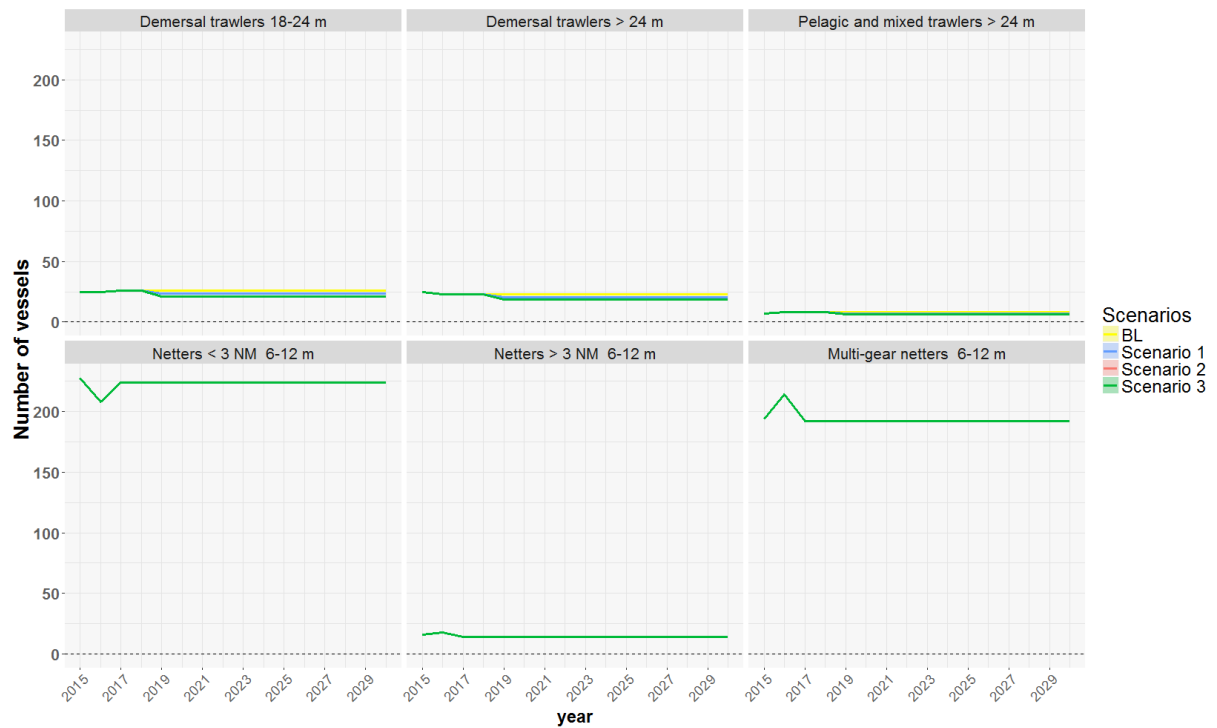
**Figure B.1** Hake SSB (in tons). The colored area includes 95% of the values per year and the plain line corresponds to the mean annual value per year.



**Figure B.2.** Fishing mortality of Hake.



**Figure B.3.** Total annual landings of Hake per fleet (in tons). The colored area includes 95% of the values per year and the plain line corresponds to the mean annual value per year.

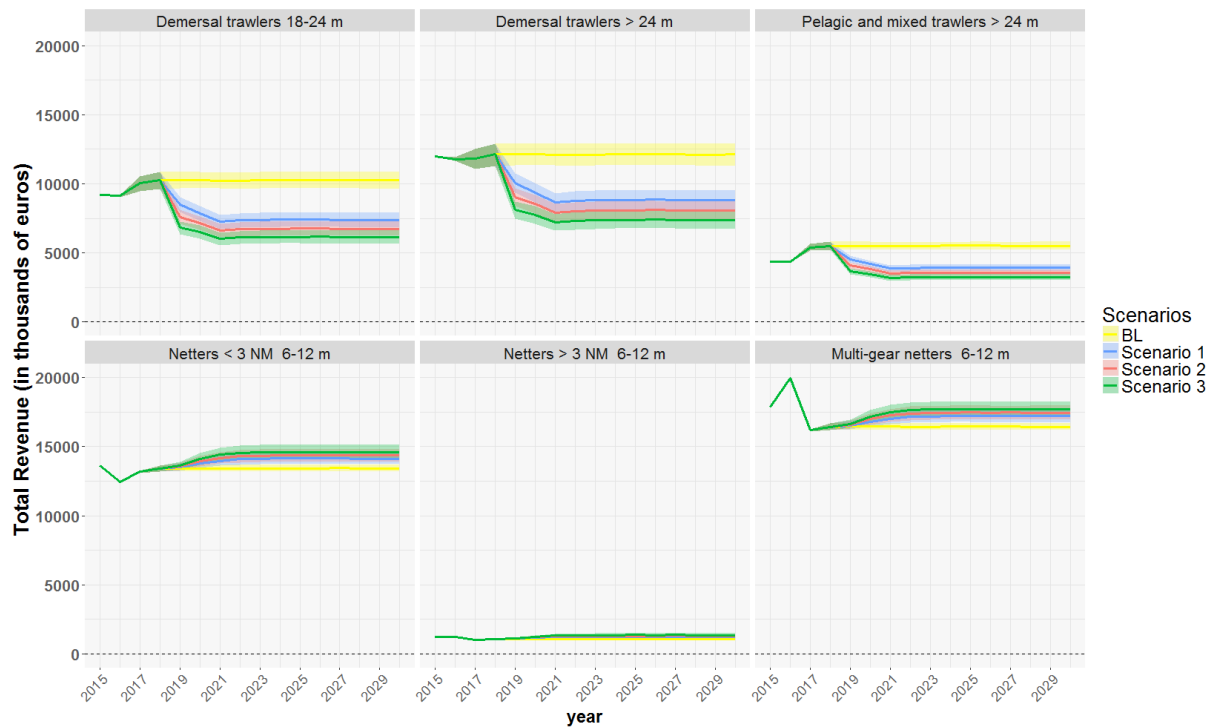


**Figure B.4.** Number of vessels by fleet.

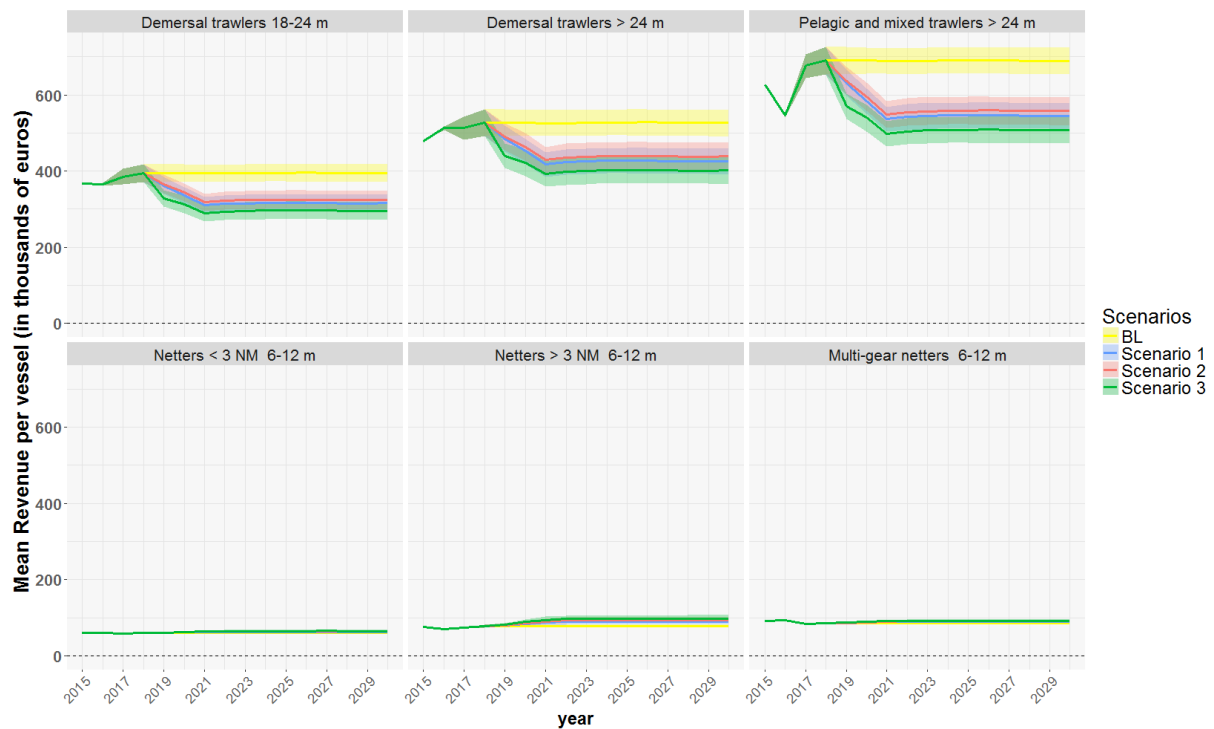


**Figure B.5.** Total annual effort (i.e. number of vessels\*nominal fishing effort) in days at sea per fleet.





**Figure B.6.** Total revenue (values of landings) in thousands of euros per fleet. The colored area includes 95% of the values per year and the plain line corresponds to the mean annual value per year.



**Figure B.7.** Mean revenue (in thousands of euros) by vessel per fleet. The colored area includes 95% of the values per year and the plain line corresponds to the mean annual value per year.



**Figure B.8.** Total Gross Value Added (in thousands of euros) per fleet. The colored area includes 95% of the values per year and the plain line corresponds to the mean annual value per year.



**Figure B.9.** Mean Gross Value Added (in thousands of euros) by vessel per fleet. The colored area