**PRIORITY ISSUES**

# DATA

1.1 Acoustic survey

Acoustic data survey biomass and abundance between 1992-2021. The acoustic survey is developed in august (spawning period).

|  |  |
| --- | --- |
| year | Biomass (t) |
| 1993 | 198540 |
| 1995 | 505765 |
| 1997 | 712878 |
| 1999 | 899207 |
| 2000 | 891598 |
| 2001 | 917122 |
| 2002 | 1555422 |
| 2004 | 272084 |
| 2005 | 223721 |
| 2006 | 266596 |
| 2007 | 278700 |
| 2008 | 313778 |
| 2009 | 322729 |
| 2010 | 284575 |
| 2011 | 290331 |
| 2012 | 273954 |
| 2013 | 224997 |
| 2014 | 204997 |
| 2015 | 211884 |
| 2016 | 242920 |
| 2017 | 301330 |
| 2018 | 304710 |
| 2019 | 356883 |
| 2020 | 349031 |
| 2021 | 342125 |
| 2019 | 356883 |
| 2020 | 349031 |
| 2021 | 342125 |

The figure 1, present the acoustic biomass and abundance between 1993-2021. In figure 2 is showed the density distribution of the acoustic survey.



Figure 1. Acoustic biomass and abundance between 1993-2021.



Figure 2a. Distribution of density biomass in 2021 from the acoustic survey.



Figure 2b. The gravity centre of the acoustic survey between 1993-2021.



Figure 3. Age composition abundance by age in acoustic survey between 2017-2021.