

## Le ceteau *Dicologoglossa cunetata* (Moreau), sa biologie et sa pêche dans le sud du golfe de Gascogne.



This study deals with *D.cuneata*, a small soleid listed among the spp of NEAFC Recommendation 2 and exploited by the 'artisanal' trawlers in the South of the Bay of Biscay. The gonads/gutted fish wt ratio has been calculated throughout a yr, and shows that young *Dicologoglossa* are able to reproduce at age-group II. Spawning takes place during the 3rd quarter. Growth has been determined by otolith reading and length frequency analysis; Bertalanffy's and Gompertz's equations parameters have been studied, and attempts to estimate the instantaneous rate of total mortality have been made. The results are: male  $Z_{3-5}=0.74$  and  $0.83$ , female  $Z_{3-5}=0.96$  and  $1.35$ . Selectivity experiments carried out on board of R/V 'La Palagia' give a selection factor of 3.9. The estimation of the effect of change in the codend mesh size on the catches has been calculated by Gulland's method. It is clear, from this estimation, that an increase of mesh size from 40 mm to 50 mm would result in an immediate decrease of the landings, but in a long-term increase of them and in a better protection of the other spp.

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