**Present and future potential habitat distribution of *Carcharhinus falciformis* and *Canthidermis maculata* by-catch species in the tropical tuna purse-seine fishery under climate change**

**NEREA LEZAMA-OCHOA1\*, HILARIO MURUA1, GUILLEM CHUST1, EMIEL VAN LOON2, JON RUIZ1, MARTIN HALL3, PIERRE CHAVANCE4, ALICIA DELGADO DE MOLINA5, ERNESTO VILLARINO1**

\*Corresponding Author: tel: (+34) 679342974; e-mail: nlezamaochoa@gmail.com

**Supplementary material Table 1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Indian Ocean | | | | |
|  | SST | SAL | PRIM | DEPTH |
| SST | 1.00 |  |  |  |
| SAL | -0.18 | 1.00 |  |  |
| PRIM | -0.18 | 0.02 | 1.00 | 0.00 |
| DEPTH | -0.02 | -0.22 | 0.00 | 1.00 |
| Atlantic Ocean | | | | |
|  | SST | SAL | PRIM | DEPTH |
| SST | 1.00 |  |  |  |
| SAL | -0.21 | 1.00 |  |  |
| PRIM | 0.29 | -0.55 | 1.00 | -0.23 |
| DEPTH | 0.05 | 0.05 | -0.23 | 1.00 |
| Eastern Pacific Ocean | | | | |
|  | SST | SAL | PRIM | DEPTH |
| SST | 1.00 |  |  |  |
| SAL | 0.32 | 1.00 |  |  |
| PRIM | 0.19 | -0.41 | 1.00 | 0.00 |
| DEPTH | -0.04 | -0.19 | 0.00 | 1.00 |

Spearman correlation between environment variables in each ocean: SST (sea surface temperature), SAL (salinity), PRIM (primary production) and DEPTH.