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**Metadata inv\_spe\_**

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| **Indicator description** |  |
| **Code** | **inv\_spe\_** |
| **Name** | Total number of invasive species |
| **Abstract** | The dataset describes the total number of invasive species per grid |
| **Years available** | 2013 |
| **Methodology Description / formula** | The map is produced using the invasive species database published in 2013 by the National Center for Ecological Analysis and Synthesis (NCEAS). They used the location data of more than 1.000.000 ships to create ship tracks and converted it into 1km grid. Ship locations and services of each port were included also in the calculation at a raster 1km resolution. NCEAS describe the process: ‘To model the spatial impact of invasive species, we used a diffusive plume model to mimic invasion fronts and spread the value for each port at 1km2 resolution into adjacent waters’, they limit the action to 1000km from ports and to shallow waters. |
| **Metadata date** | 15.01.2020 |
| **Use constraint** |  |
| **Point of Contact** | European Topic Center - University of Malaga, Antonio Sanchez |
| **Project** | ESPON MSP-LS |
| **How to source this indicator** | © ESPON 2018, MSP-LSI, ETC-UMA |
| **Source description** |  |
| **Provider Name** | National Center for Ecological Analysis and Synthesis (NCEAS) |
| **Reference** |  |
| **Copyright** | © National Center for Ecological Analysis and Synthesis (NCEAS) |
| **Publication Title** |  |
| **URL** |  |

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