

## Modeled anthropogenic pressures, modeling approach and data used

Modeled pressure	Modeling approach	Data source
agriculture	Intensity of the pressure due to agriculture, characterized by the distance to agricultural land and the depth (details in Holon et al. 2015 and <a href="#">2018 IMPACT update report</a> )	<a href="#">Corine Land Cover 2018</a>
coastal_constructions	Intensity of the pressure due to coastal constructions-, characterized by the type of -coastal constructions, the distance to coastal constructions, and the depth (details in Holon et al. 2015 and <a href="#">2018 IMPACT update report</a> )	<a href="#">MEDAM 2016-2019</a>
aquaculture	Intensity of the pressure due to aquaculture, characterized by the area of aquaculture sites, the distance to aquaculture sites, and the depth (details in Holon et al. 2015 and <a href="#">2018 IMPACT update report</a> )	<a href="#">SRDAM 2013</a> , <a href="#">google map</a>
river_output	Intensity of the pressure due to river outputs, characterized by the river's ecological and chemical state, the river's flow, the distance to the river output, the depth and the currents (details in <a href="#">2018 IMPACT update report</a> )	<a href="#">eaufrance</a>
erosion	Intensity of the pressure due to erosion, characterized by the erosion rate, the distance to the coastline, and the depth (details in Holon et al. 2015)	<a href="#">indicateur national de l'érosion côtière (2018)</a>
industrial_effluents	Intensity of the pressure due to industrial effluents, characterized by the pollution level, the distance to effluents, the depth and the currents (details in Holon et al. 2015 and <a href="#">2018 IMPACT update report</a> )	<a href="#">AERMC 2019</a>
large_boats_anchoring	Intensity of the pressure due to large boats (> 24 m) anchoring, characterized by the mean cumulative anchoring duration (details in <a href="#">2018 IMPACT update report</a> )	<a href="#">AIS 2019-2021</a> (Andromède océanologie)
small_boats_anchoring	Intensity of the pressure due to small boats (< 24 m) anchoring, characterized by the mean cumulative anchoring duration -(details in <a href="#">2018 IMPACT update report</a> )	<a href="#">AIS 2019-2021</a> (Andromède océanologie), <a href="#">DONIA 2019-2021</a> (Andromède océanologie), <a href="#">MEDOBS 2019-2020</a>
professional_fishing	Intensity of the pressure due to professional fishing, characterized by cumulative occurrences of fishing boats (details in <a href="#">2018 IMPACT update report</a> )	<a href="#">AIS 2021</a> (Andromède océanologie)

urbanization	Intensity of the pressure due to urbanization, characterized by the total population and population density of coastal urbanized areas, the distance to urbanized areas, and the depth (details in Holon et al. 2015 and <a href="#">2018 IMPACT update report</a> )	<a href="#">Corine Land Cover 2018</a> , <a href="#">INSEE 2018</a>
urban_effluents	Intensity of the pressure due to urban effluents, characterized by the pollution level, the distance to effluents, the depth and the currents (details in Holon et al. 2015 and <a href="#">2018 IMPACT update report</a> )	<a href="#">AERMC 2019</a>
tourism	Intensity of the pressure due to coastal tourism, characterized by the tourism intensity on coastal areas, the distance to beaches, and the depth (details in <a href="#">2018 IMPACT update report</a> )	<a href="#">INSEE 2018</a> , <a href="#">OpenStreetMap</a>
marine_traffic	Intensity of the pressure due to marine traffic, characterized by cumulative occurrences of boats (details in <a href="#">2018 IMPACT update report</a> )	<a href="#">AIS 2021</a> (Andromède océanologie)