

Table S1: Time coverage of the available zooplankton data. Colored cells signify that there was a sampling done this month. Green signifies that the classification was checked a second time by Laëtitia Jalabert. The first sheet called “Transect sampling plan” contains the sampling plan for the transects B and D. The second sheet called “Coastal stations sampling plan” contains the sampling plan for the stations Douarnenez (D1), Molene and Sein.

5 See document Table S1.xlsx

Table S2: Time coverage of the available phytoplankton data. The first sheet called “Transect sampling plan” contains the sampling plan for the transects B and D. The second sheet called “Coastal stations sampling plan” contains the sampling plan for the stations Douarnenez (D1), Molene and Sein.

10 See document Table S2.xlsx

Table S3: Time coverage of the available biological and environmental data

Data type	Zone	Time coverage
Phytoplankton	Douarnenez	January 2013 - December 2018
	Sein	April 2012 - November 2020
	Molène	May 2011 - November 2017
	Transects	October 2010 - September 2020
Zooplankton	Douarnenez	2011, 2013-2021
	Molène	2011 - 2013
	Transects	2010 - 2022
Environmental (surface and bottom temperature and salinity)		2010-2013, 2015-2023
Environmental (profiles of temperature, salinity, turbidity, oxygen, fluorescence)		2016, 2018-2023

Table S4: Names and associated ID number of all the Ecotaxa projects

Ecotaxa ID	Name of the project	Link to project
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436	Zooscan AMP pnmir WP2 200 2010	https://ecotaxa.obs-vlfr.fr/gui/prj/436
434	Zooscan AMP WP2 200 2013 2015 sn001	https://ecotaxa.obs-vlfr.fr/gui/prj/434
435	Zooscan AMP WP2 200 2013 2015 sn033	https://ecotaxa.obs-vlfr.fr/gui/prj/435
442	Zooscan AMP WP2 200 2010 2011	https://ecotaxa.obs-vlfr.fr/gui/prj/442
443	Zooscan AMP WP2 200 2011 2012	https://ecotaxa.obs-vlfr.fr/gui/prj/443
468	Zooscan AMP pnmir WP2 200 2011 2012 2013 2014	https://ecotaxa.obs-vlfr.fr/gui/prj/468
826	Zooscan AMP pnmir WP2 200 2016	https://ecotaxa.obs-vlfr.fr/gui/prj/826
1140	Zooscan AMP Douarnenez WP2 200 2015 2016 2017	https://ecotaxa.obs-vlfr.fr/gui/prj/1140
1244	Zooscan AMP pnmir WP2 200 2017	https://ecotaxa.obs-vlfr.fr/gui/prj/1244
3847	Zooscan AMP pnmir WP2 200 2018	https://ecotaxa.obs-vlfr.fr/gui/prj/3847
3848	Zooscan AMP pnmir WP2 200 2019	https://ecotaxa.obs-vlfr.fr/gui/prj/3848
3849	Zooscan AMP pnmir WP2 200 2020	https://ecotaxa.obs-vlfr.fr/gui/prj/3849
5759	Zooscan AMP pnmir WP2 200 2021	https://ecotaxa.obs-vlfr.fr/gui/prj/5759
6448	Zooscan AMP pnmir WP2 200 2022	https://ecotaxa.obs-vlfr.fr/gui/prj/6448
8055	Zooscan AMP Douarnenez WP2 200 2011	https://ecotaxa.obs-vlfr.fr/gui/prj/8055
9297	Zooscan AMP Douarnenez WP2 200 2021	https://ecotaxa.obs-vlfr.fr/gui/prj/9297
9318	Zooscan AMP Douarnenez WP2 200 2018 2019 2020	https://ecotaxa.obs-vlfr.fr/gui/prj/9318
11128	Zooscan AMP pnmir WP2 200 2023	https://ecotaxa.obs-vlfr.fr/gui/prj/11128