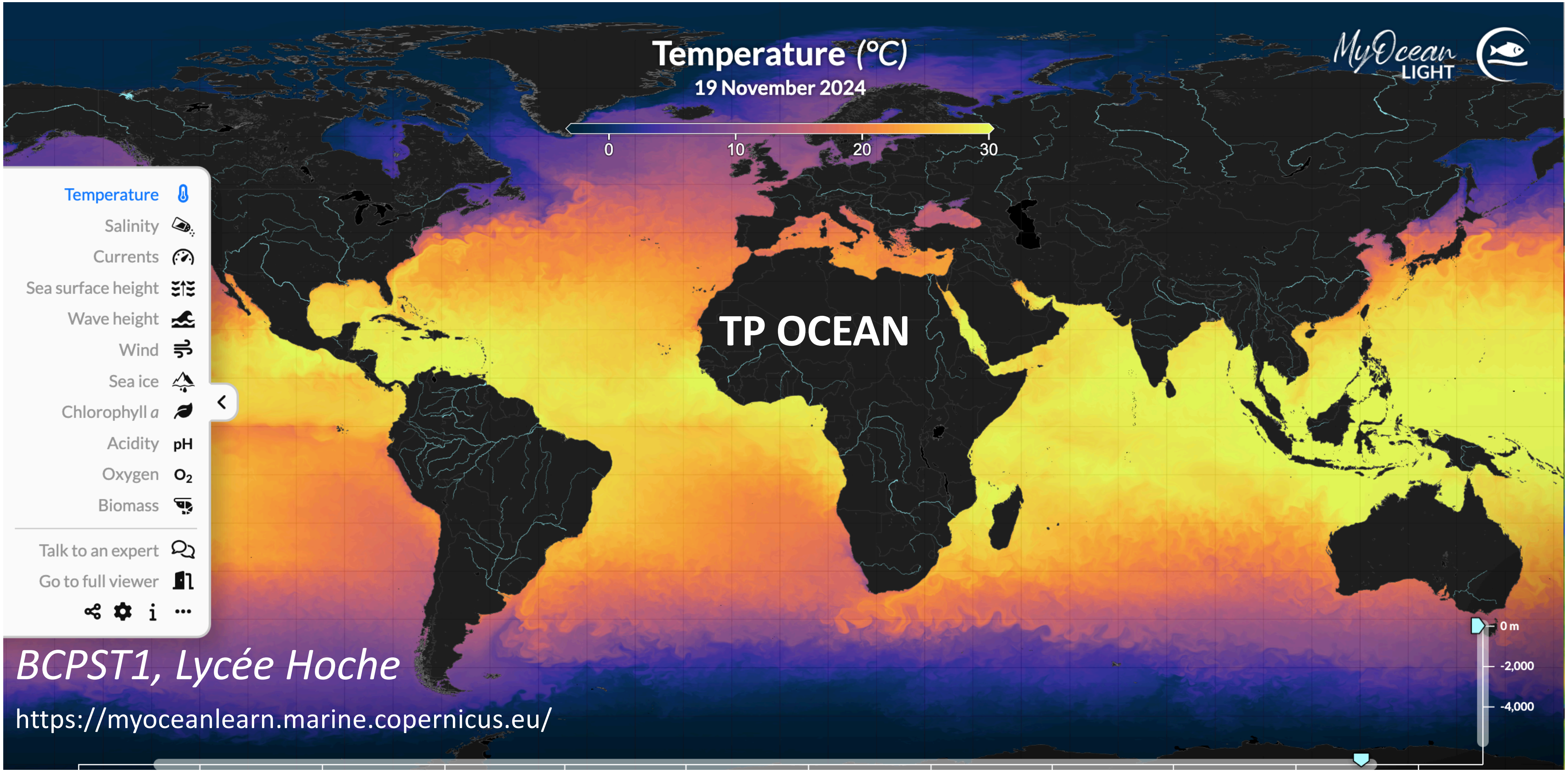
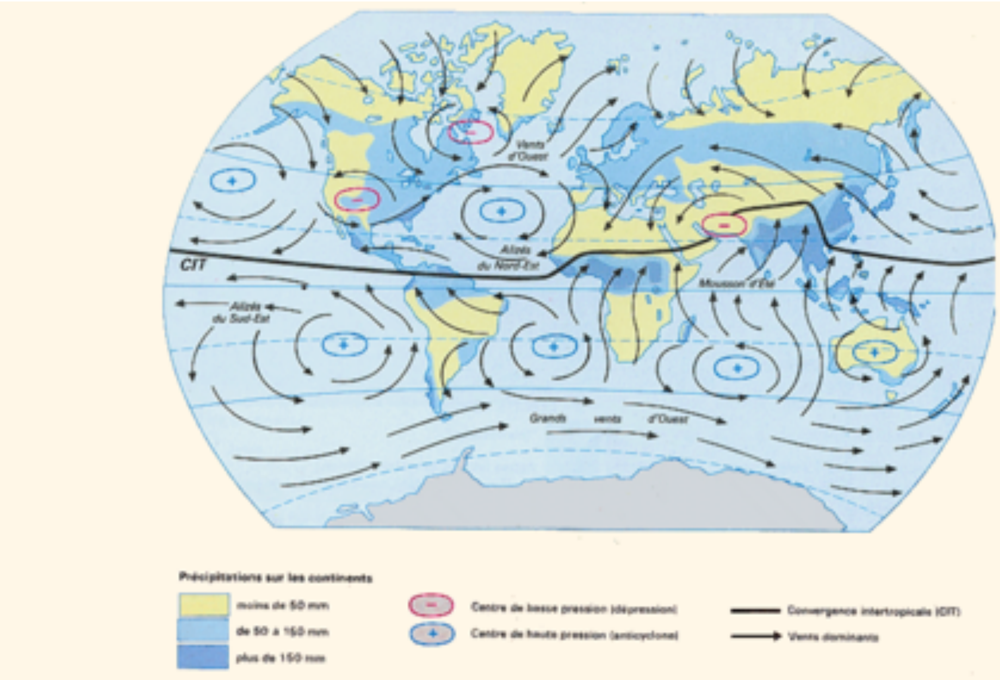


Temperature (°C)
19 November 2024
0
10
20
30
MyOcean LIGHT
Temperature
Salinity
Currents
Sea surface height
Wave height
Wind
Sea ice
Chlorophyll a
Acidity
pH
Oxygen
O2
Biomass
Talk to an expert
Go to full viewer
0 m
-2,000
-4,000
TP OCEAN
BCPST1, Lycée Hoche
https://myoceanlearn.marine.copernicus.eu/

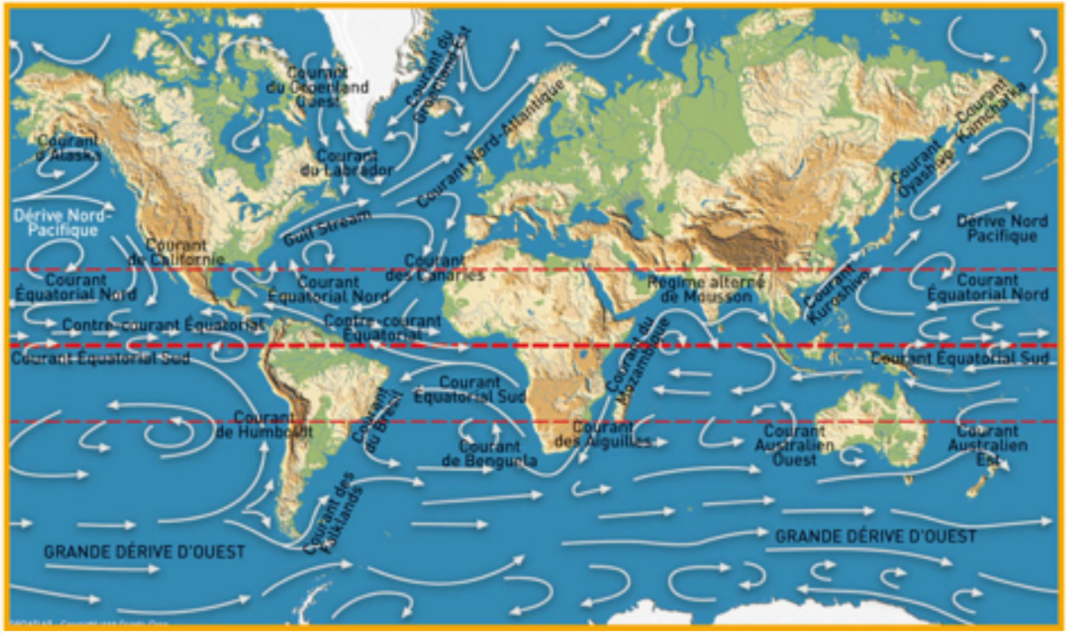
Partie I : étude des courants de surface

Carte de la circulation atmosphérique

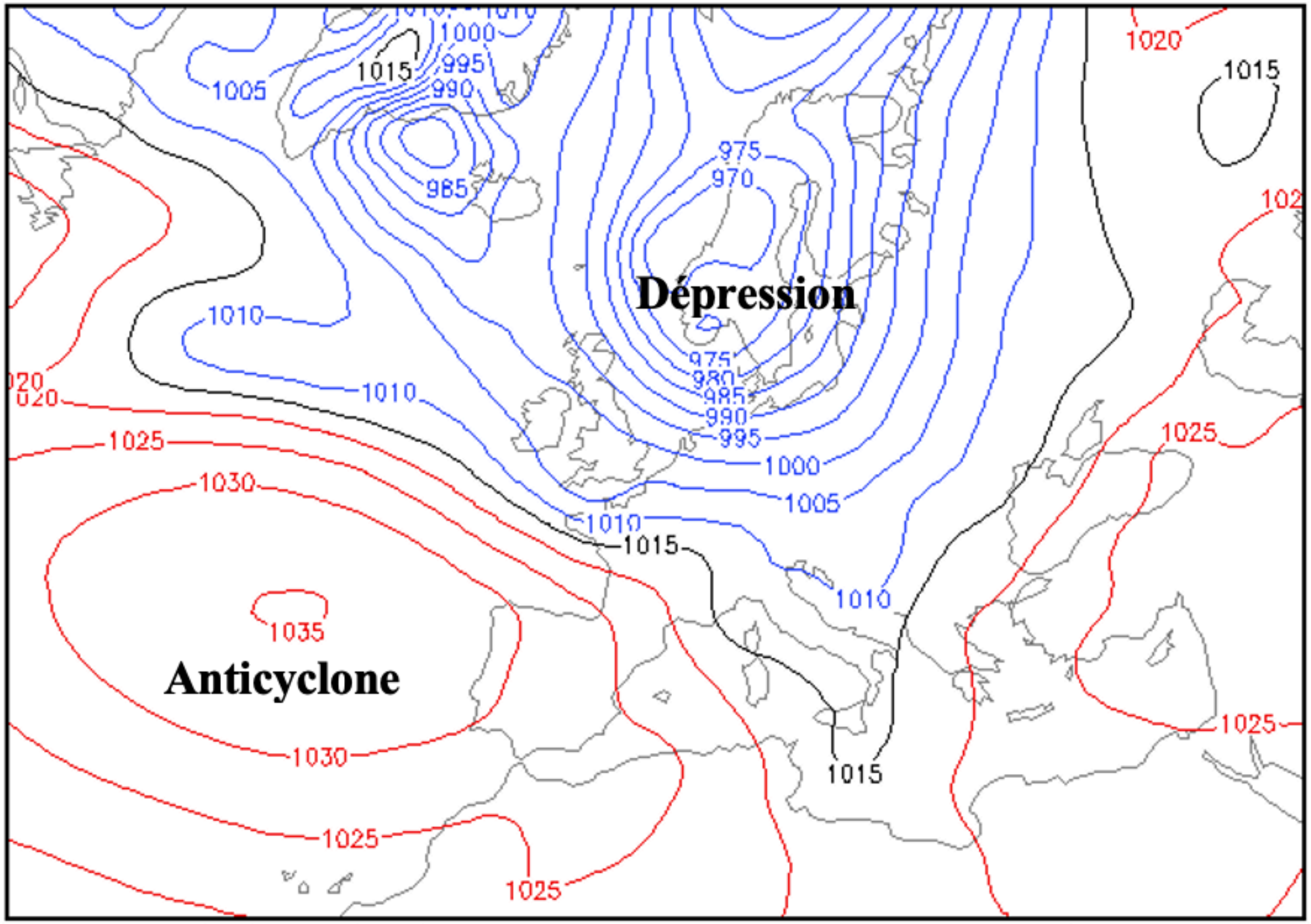


Circulation atmosphérique générale - Juillet

Carte de la circulation océanique de surface

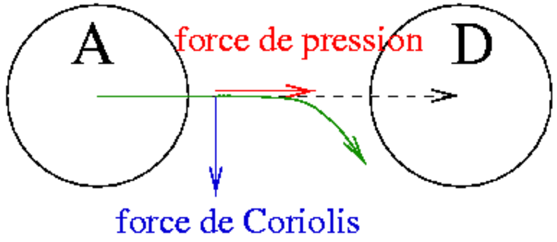


Partie I : étude des courants de surface

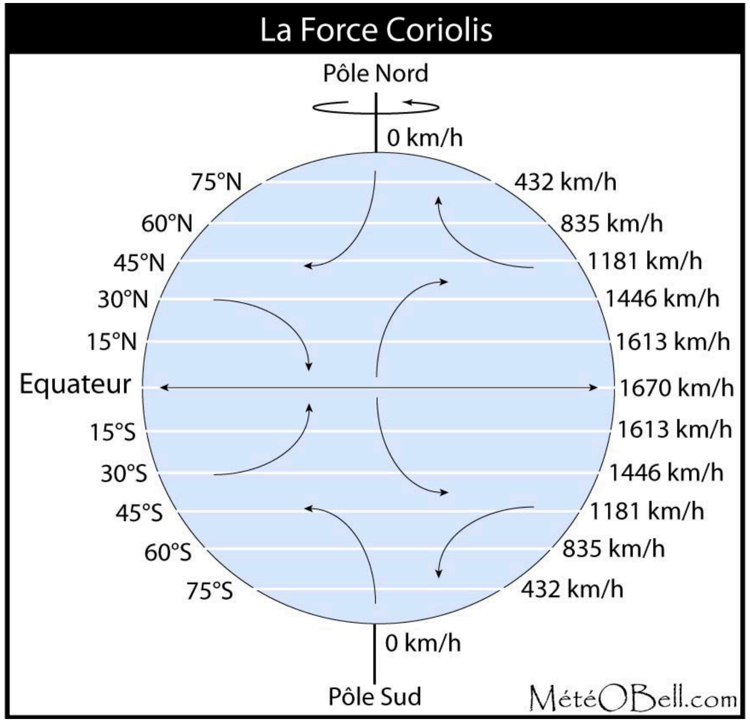


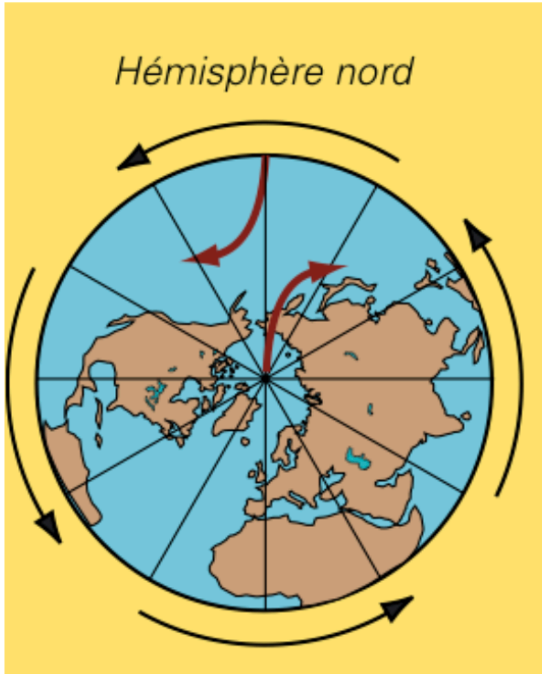
Bodendruck (NN) GFS (hPa) VT: Fr 17.12.04 12 GMT (Di 00 + 84)
WetterOnline

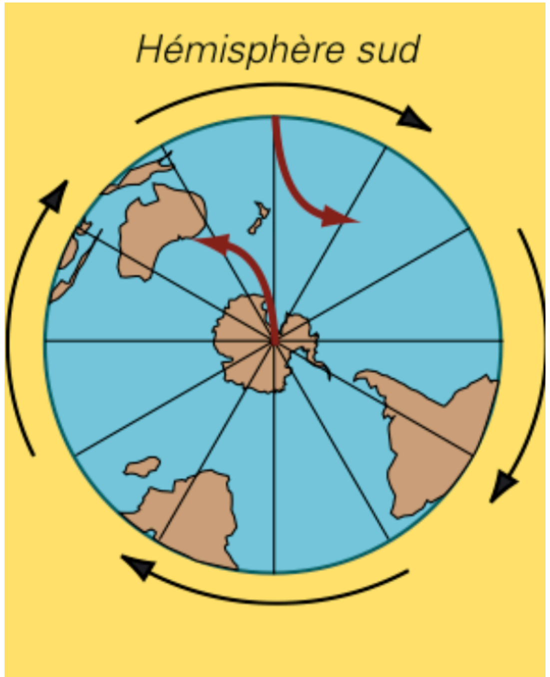
Partie I : étude des courants de surface



En pointillés, la trajectoire sans force de Coriolis.
La vraie trajectoire est en vert.

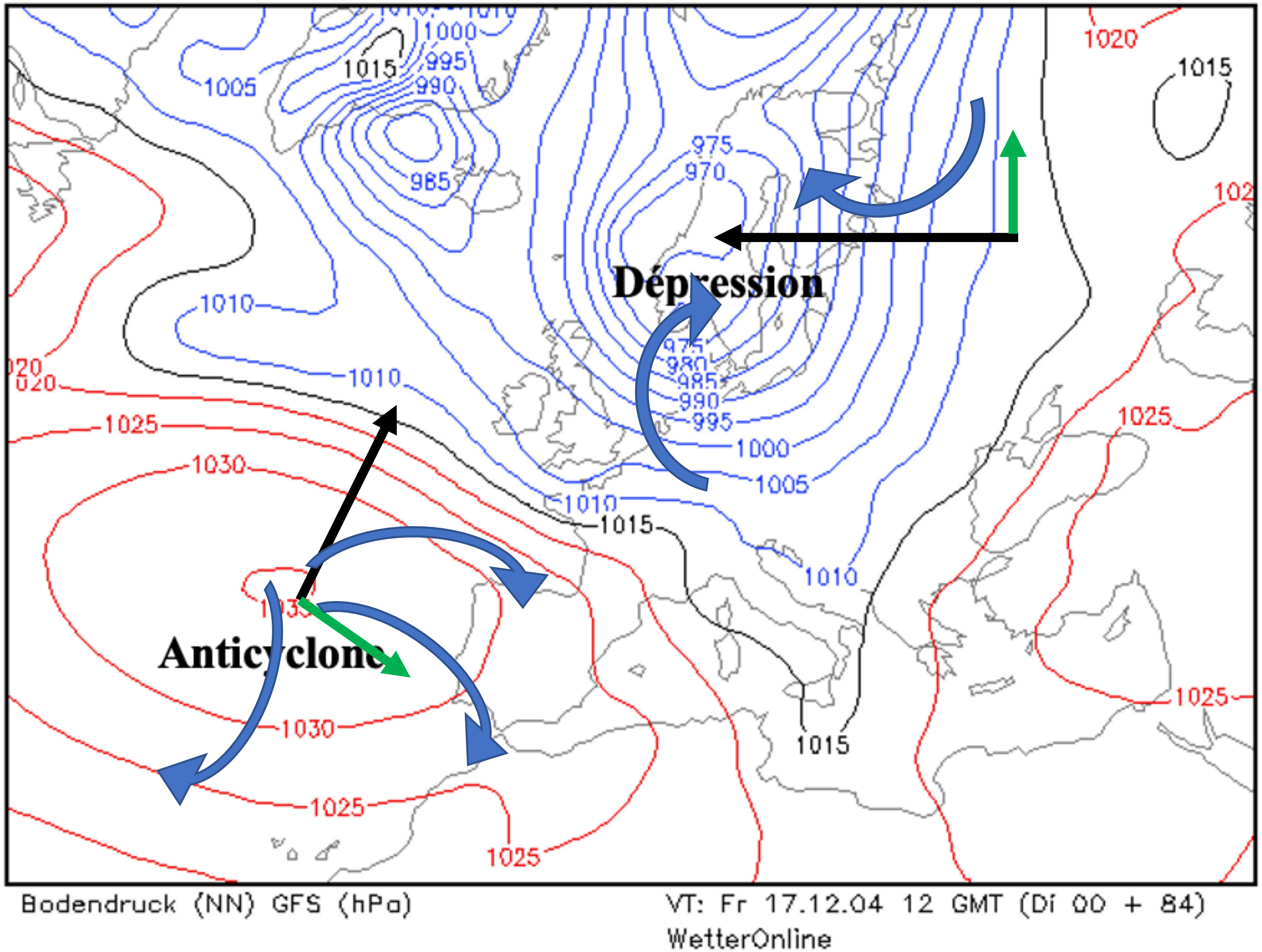




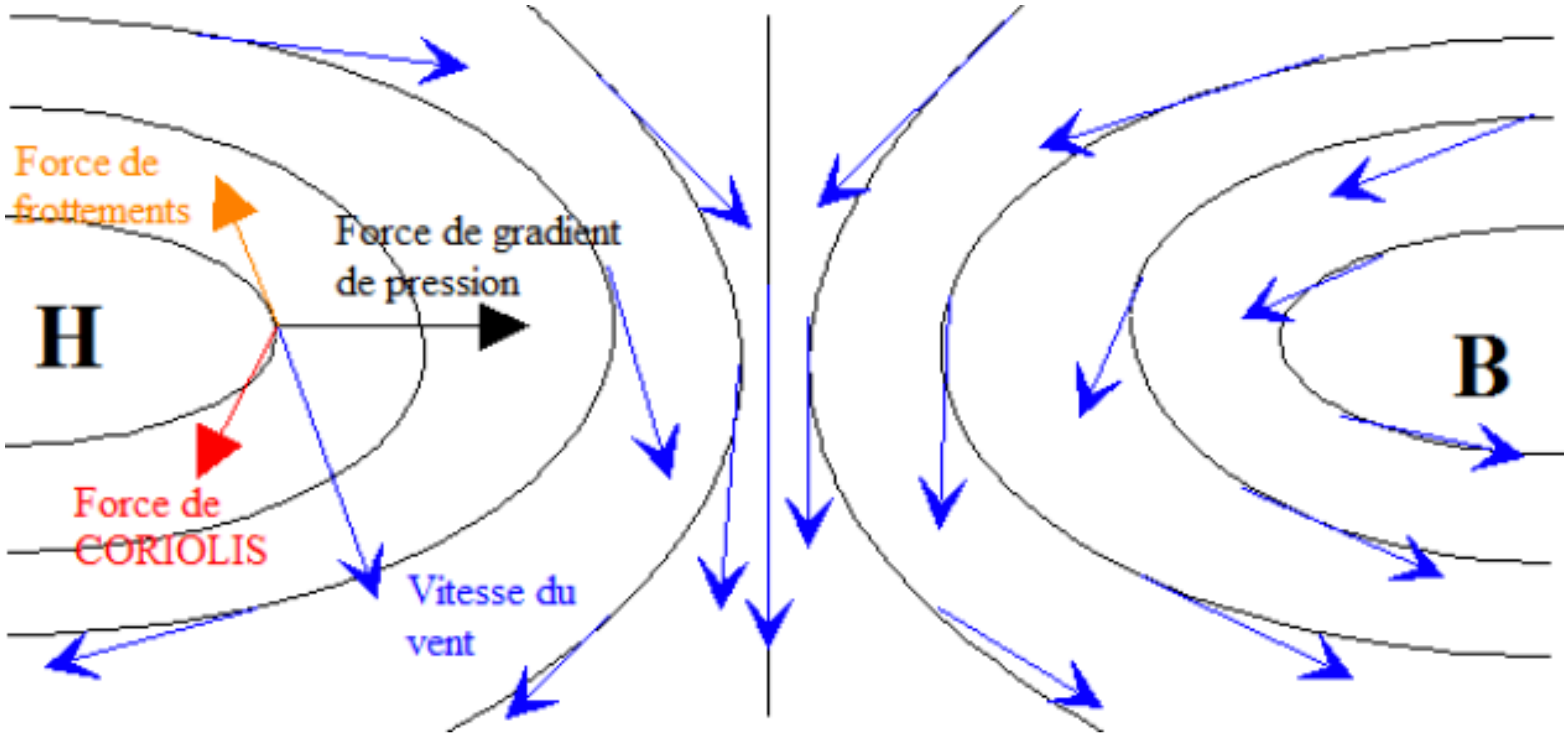


Force de gradient de pression

Force Coriolis

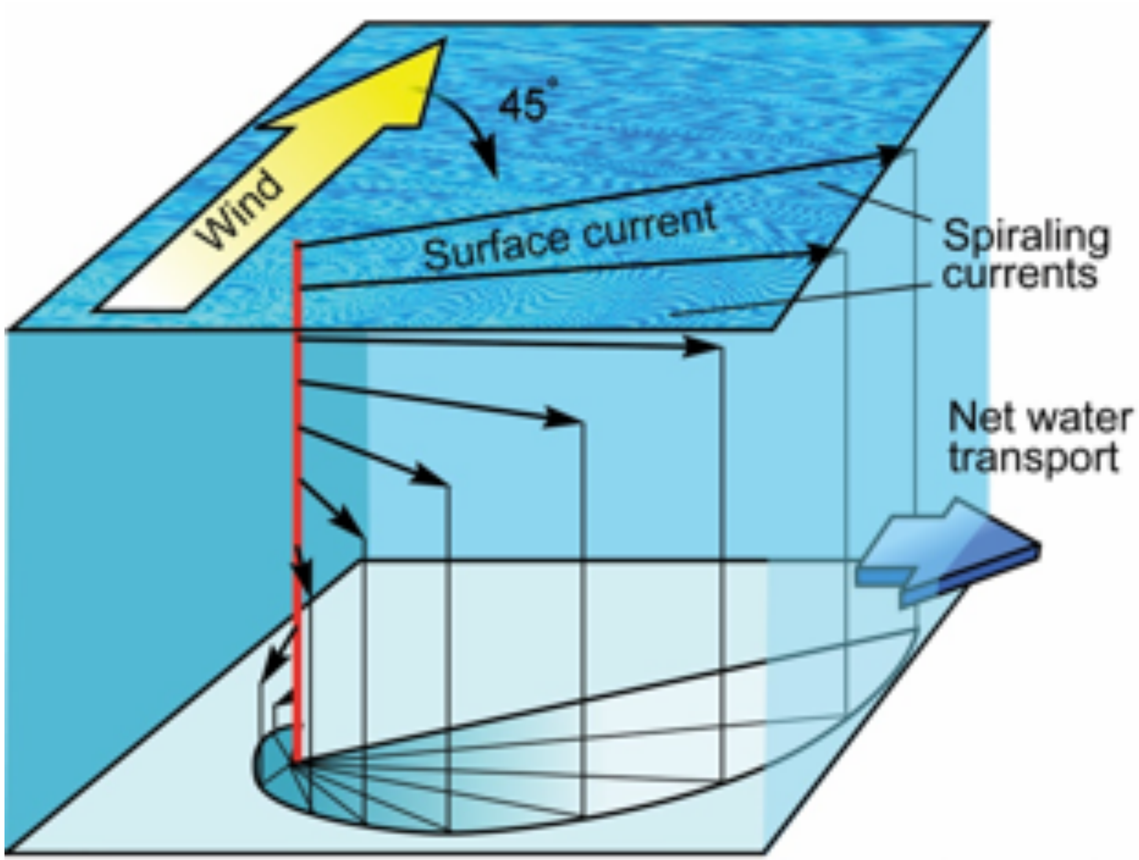


**Déplacement des vents au niveau d'un anticyclone
et d'une dépression**

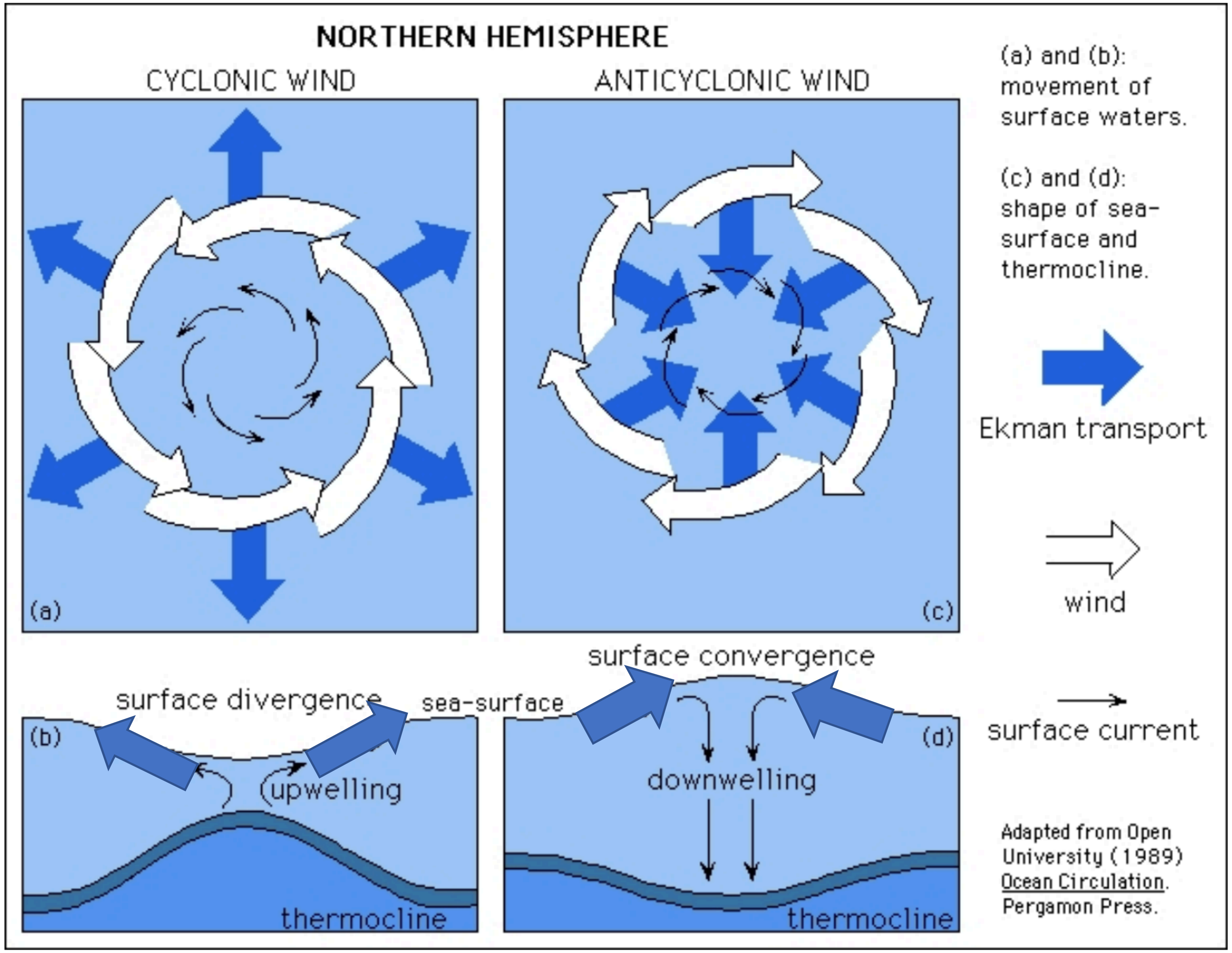


Partie I : étude des courants de surface

Spirale d'Ekman



Partie I : étude des courants de surface



Partie I : étude des courants de surface

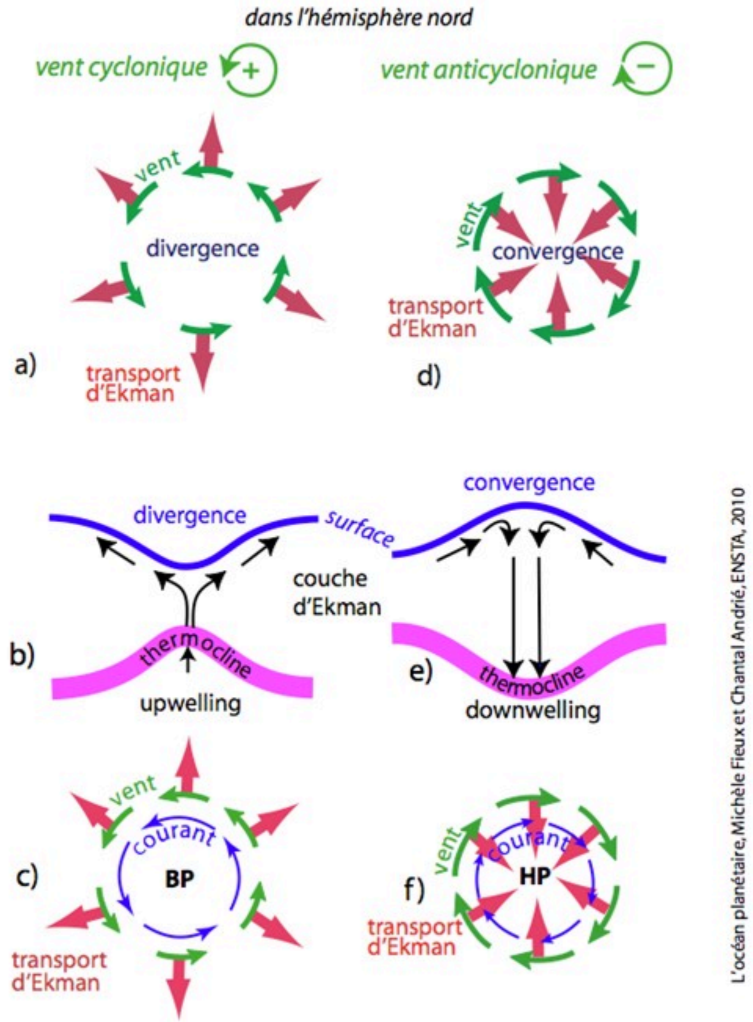
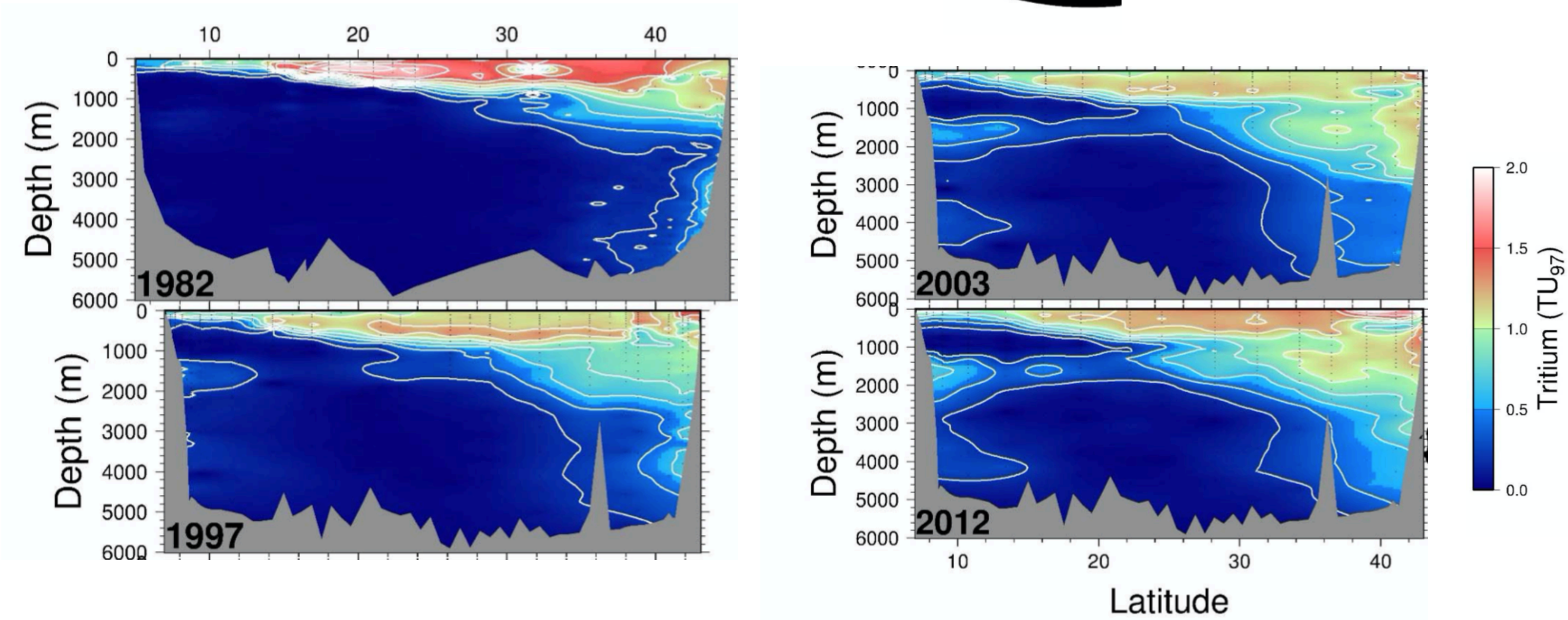


Figure 1-65- Transports d'Ekman associés
(a) à des vents cycloniques et une divergence ou
(d) à des vents anticycloniques et une convergence ;
(b) upwelling et (e) downwelling et pentes de la surface et de la thermocline associées ;
(c) et (f) courants géostrophiques engendrés par les gradients de pression résultants
(d'après Ocean Circulation, 1989).

Partie 2 : étude de la circulation océanique profonde

Teneur en tritium dans l'Atlantique



Partie 2 : étude de la circulation océanique profonde

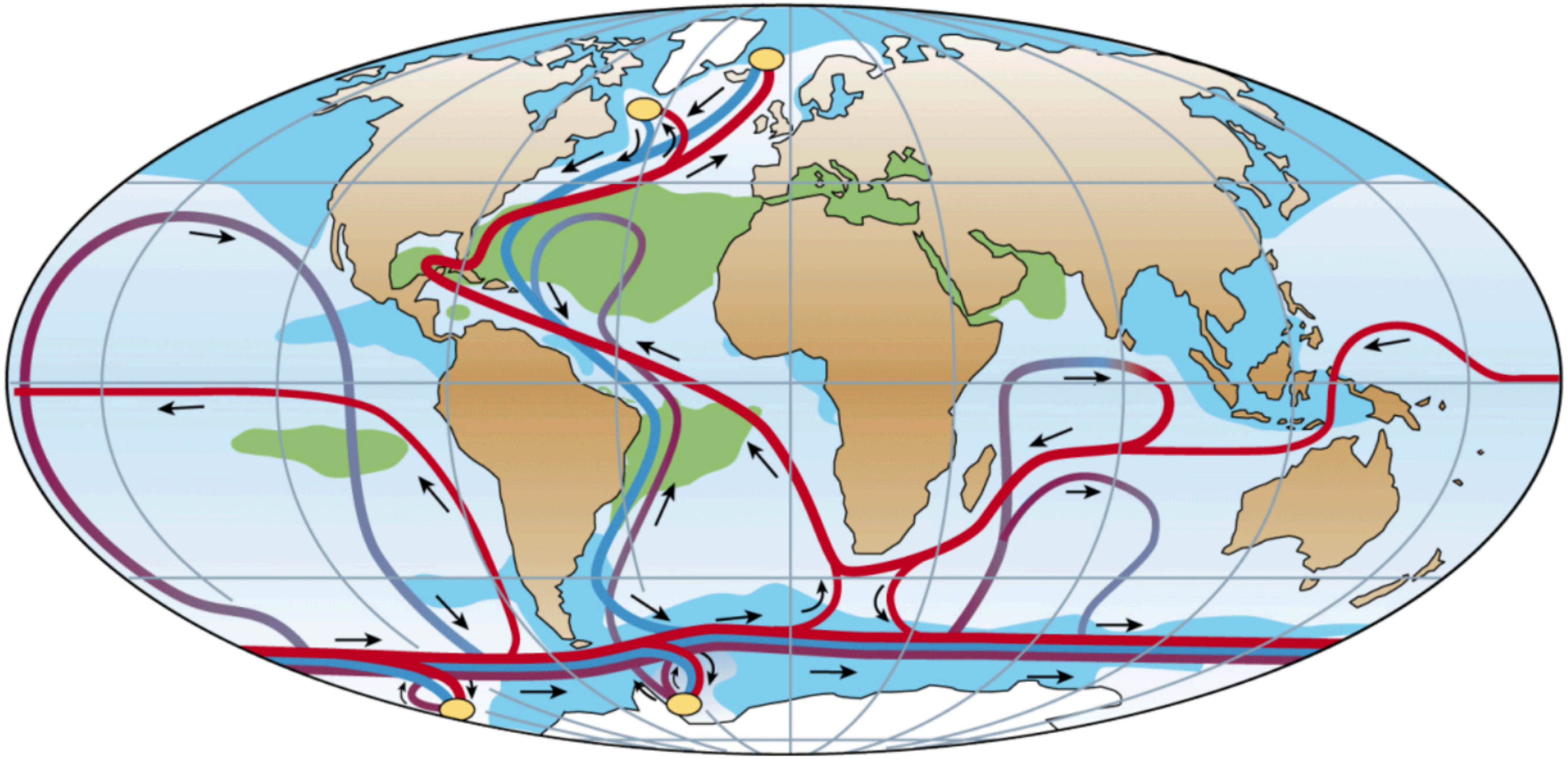
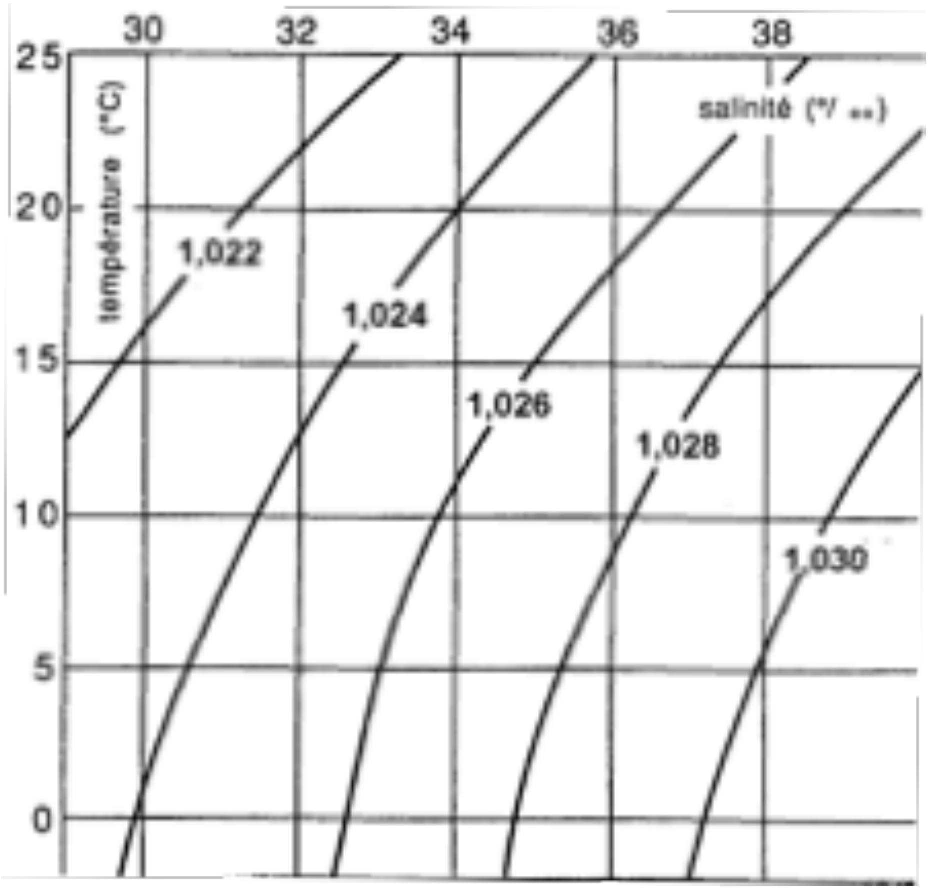
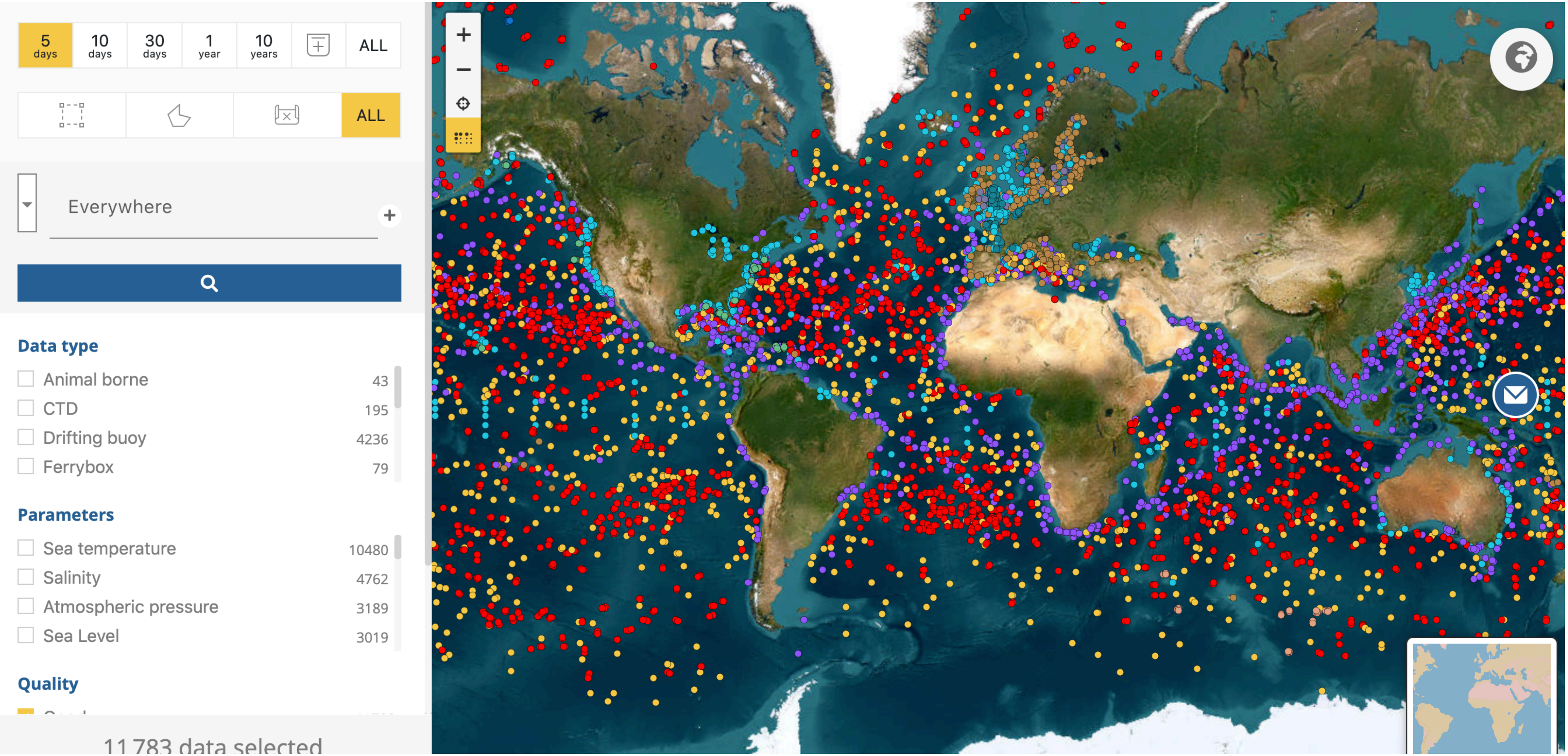


Figure 1.3. *Simplified sketch of the global thermohaline circulation pathway, whereby yellow dots represent regions of deep-water formation; red path: near-surface ocean circulation; blue path: deep-water circulation and; purple path: bottom currents. The surface salinity gradient is also represented: green > light blue > blue. Figure from Rahmstorf, 2002.*

Partie 2 : étude de la circulation océanique profonde



Partie 2 : étude de la circulation océanique profonde



Partie 2 : étude de la circulation océanique profonde

Balises ARGOS

FEMELLE ÉLÉPHANT DE MER ÉQUIPÉE D'UNE BALISE ARGOS ET PRÊTE À PARTIR EN MER.© FRANEK2, WIKIMEDIA

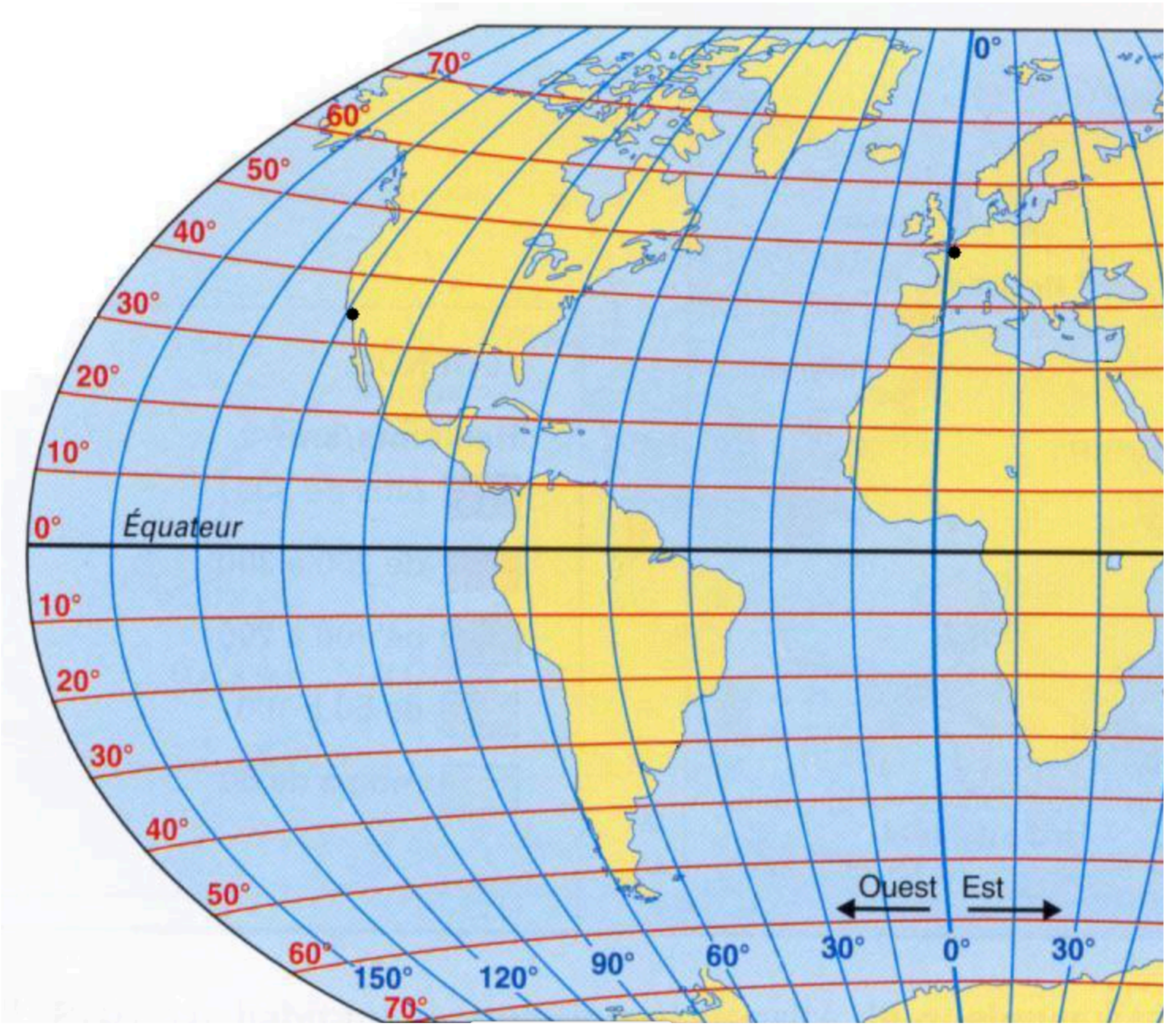
Balise Argos.

Partie 2 : étude de la circulation océanique profonde

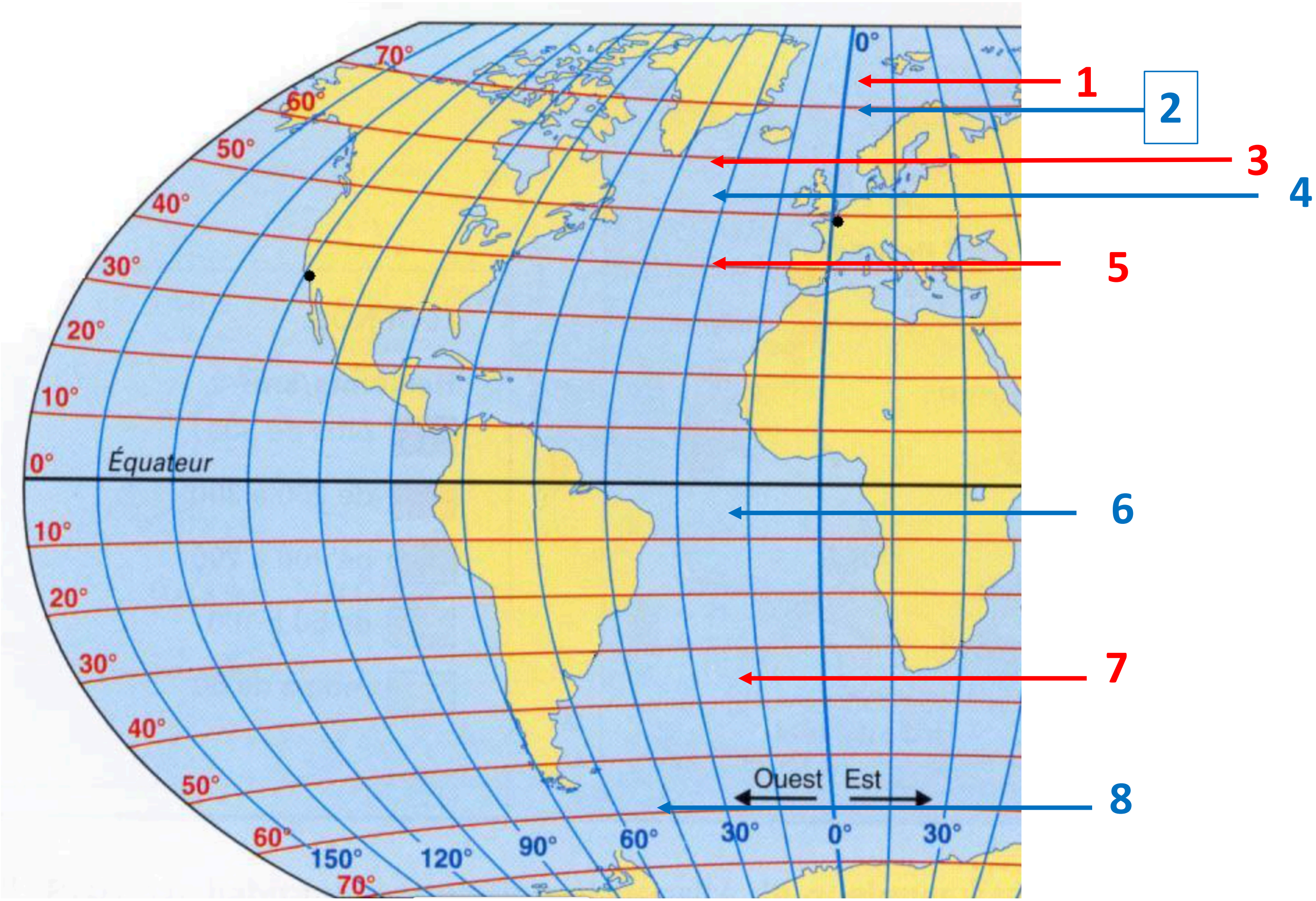
Balise 1

TIME	DEPTH	DIRECTION	LATITUDE	LONGITUDE	POSITION_Q	PRES	PRES_ADJUS	PRES_ADJUS	PRES_QC	PSAL	PSAL_ADJUS	PSAL_ADJUS	PSAL_QC	TEMP	TEMP_ADJUS	TEMP_ADJUS	TEMP_QC	TIME_QC
23/12/2021	0	65	75,4240036	1,05200005	1	0	0	1	1	34,953	34,953	3	3	2,046	2,046	3	3	1
23/12/2021	1	65	75,4240036	1,05200005	1	1	1	1	1	34,946	34,946	3	3	2,052	2,052	3	3	1
23/12/2021	2	65	75,4240036	1,05200005	1	2	2	1	1	34,947	34,947	3	3	2,052	2,052	1	1	1
23/12/2021	3	65	75,4240036	1,05200005	1	3	3	1	1	34,948	34,948	3	3	2,053	2,053	1	1	1
23/12/2021	4	65	75,4240036	1,05200005	1	4	4	1	1	34,946	34,946	3	3	2,055	2,055	1	1	1
23/12/2021	5	65	75,4240036	1,05200005	1	5	5	1	1	34,946	34,946	3	3	2,057	2,057	1	1	1
23/12/2021	6	65	75,4240036	1,05200005	1	6	6	1	1	34,947	34,947	1	1	2,056	2,056	1	1	1
23/12/2021	7	65	75,4240036	1,05200005	1	7	7	1	1	34,946	34,946	1	1	2,059	2,059	1	1	1
23/12/2021	8	65	75,4240036	1,05200005	1	8	8	1	1	34,951	34,951	1	1	2,044	2,044	1	1	1
23/12/2021	9	65	75,4240036	1,05200005	1	9	9	1	1	34,944	34,944	1	1	2,041	2,041	1	1	1
23/12/2021	10	65	75,4240036	1,05200005	1	10	10	1	1	34,947	34,947	1	1	2,036	2,036	1	1	1
23/12/2021	16	65	75,4240036	1,05200005	1	16	16	1	1	34,943	34,943	1	1	2,024	2,024	1	1	1
23/12/2021	26	65	75,4240036	1,05200005	1	26	26	1	1	34,942	34,942	1	1	2,014	2,014	1	1	1
23/12/2021	35	65	75,4240036	1,05200005	1	35	35	1	1	34,941	34,941	1	1	2,012	2,012	1	1	1
23/12/2021	45	65	75,4240036	1,05200005	1	45	45	1	1	34,94	34,94	1	1	2,001	2,001	1	1	1
23/12/2021	56	65	75,4240036	1,05200005	1	56	56	1	1	34,941	34,941	1	1	2,007	2,007	1	1	1
23/12/2021	65	65	75,4240036	1,05200005	1	65	65	1	1	34,942	34,942	1	1	2,006	2,006	1	1	1
23/12/2021	75	65	75,4240036	1,05200005	1	75	75	1	1	34,94	34,94	1	1	1,993	1,993	1	1	1
23/12/2021	86	65	75,4240036	1,05200005	1	86	86	1	1	34,941	34,941	1	1	1,983	1,983	1	1	1
23/12/2021	95	65	75,4240036	1,05200005	1	95	95	1	1	34,94	34,94	1	1	1,978	1,978	1	1	1
23/12/2021	106	65	75,4240036	1,05200005	1	106	106	1	1	34,941	34,941	1	1	1,979	1,979	1	1	1
23/12/2021	116	65	75,4240036	1,05200005	1	116	116	1	1	34,941	34,941	1	1	1,975	1,975	1	1	1
23/12/2021	126	65	75,4240036	1,05200005	1	126	126	1	1	34,942	34,942	1	1	1,974	1,974	1	1	1
23/12/2021	135	65	75,4240036	1,05200005	1	135	135	1	1	34,943	34,943	1	1	1,976	1,976	1	1	1
23/12/2021	145	65	75,4240036	1,05200005	1	145	145	1	1	34,944	34,944	1	1	1,978	1,978	1	1	1
23/12/2021	156	65	75,4240036	1,05200005	1	156	156	1	1	34,946	34,946	1	1	1,984	1,984	1	1	1
23/12/2021	166	65	75,4240036	1,05200005	1	166	166	1	1	34,948	34,948	1	1	1,888	1,888	1	1	1
23/12/2021	176	65	75,4240036	1,05200005	1	176	176	1	1	34,954	34,954	1	1	1,727	1,727	1	1	1
23/12/2021	186	65	75,4240036	1,05200005	1	186	186	1	1	34,946	34,946	1	1	1,547	1,547	1	1	1
23/12/2021	196	65	75,4240036	1,05200005	1	196	196	1	1	34,945	34,945	1	1	1,491	1,491	1	1	1
23/12/2021	210	65	75,4240036	1,05200005	1	210	210	1	1	34,935	34,935	1	1	1,296	1,296	1	1	1
23/12/2021	230	65	75,4240036	1,05200005	1	230	230	1	1	34,933	34,933	1	1	1,134	1,134	1	1	1
23/12/2021	250	65	75,4240036	1,05200005	1	250	250	1	1	34,928	34,928	1	1	0,98	0,98	1	1	1
23/12/2021	270	65	75.4240036	1.05200005	[illegible]	[illegible]	270	1	1	34.921	34.921	1	1	0.771	0.771	1	1	1

Partie 2 : étude de la circulation océanique profonde



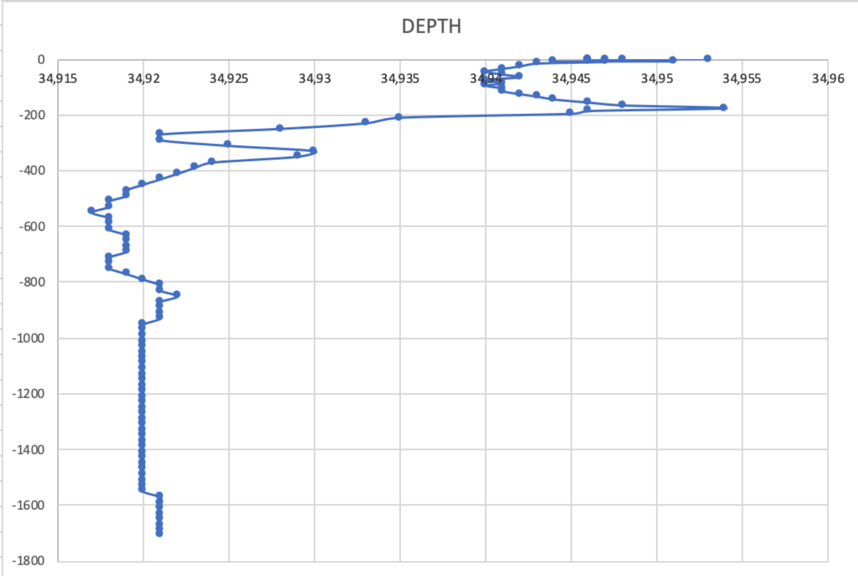
Partie 2 : étude de la circulation océanique profonde



Partie 2 : étude de la circulation océanique profonde

Balise 1

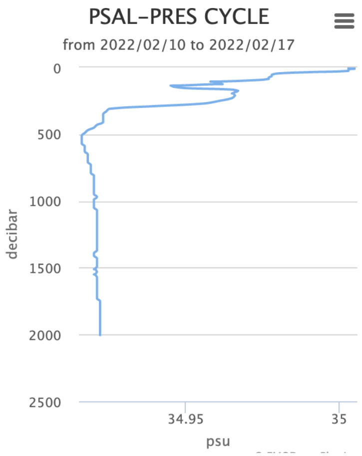
PSAL	DEPTH		DEPTH
34,953	0		0
34,946	-1		1
34,947	-2		2
34,948	-3		3
34,946	-4		4
34,946	-5		5
34,947	-6		6
34,946	-7		7
34,951	-8		8
34,944	-9		9
34,947	-10		10
34,943	-16		16
34,942	-26		26
34,941	-35		35
34,94	-45		45
34,941	-56		56
34,942	-65		65
34,94	-75		75
34,941	-86		86
34,94	-95		95
34,941	-106		106
34,941	-116		116
34,942	-126		126
34,943	-135		135
34,944	-145		145
34,946	-156		156
34,948	-166		166
34,954	-176		176
34,946	-186		186
34,945	-196		196
34,935	-210		210
34,933	-230		230
34,928	-250		250
34,921	-270		270
34,921	-291		291
34,925	-311		311
34,93			330



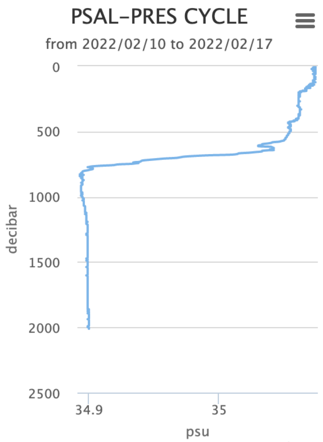
Capture d'écran

Partie 2 : étude de la circulation océanique profonde

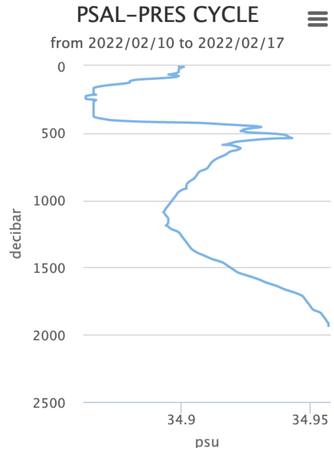
Balise 1



Balise 2



Balise 3



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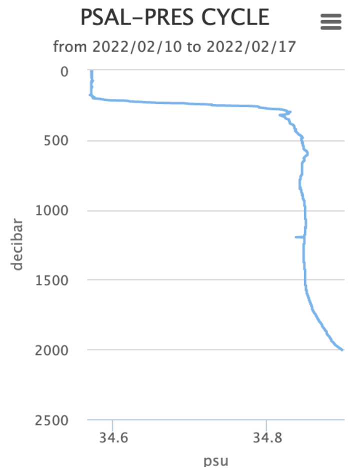
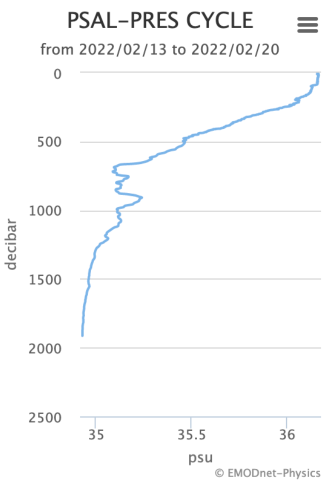
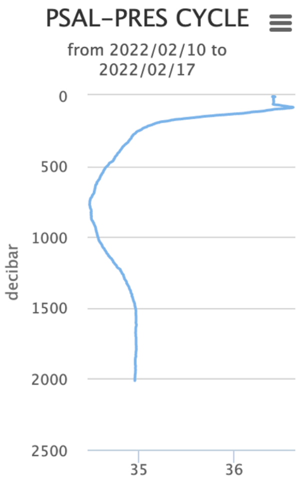


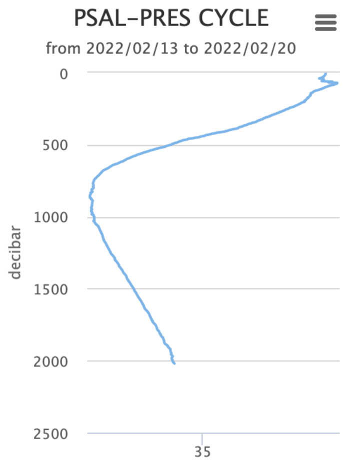
Balise 5



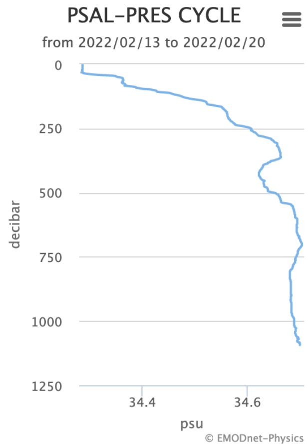
Balise 6



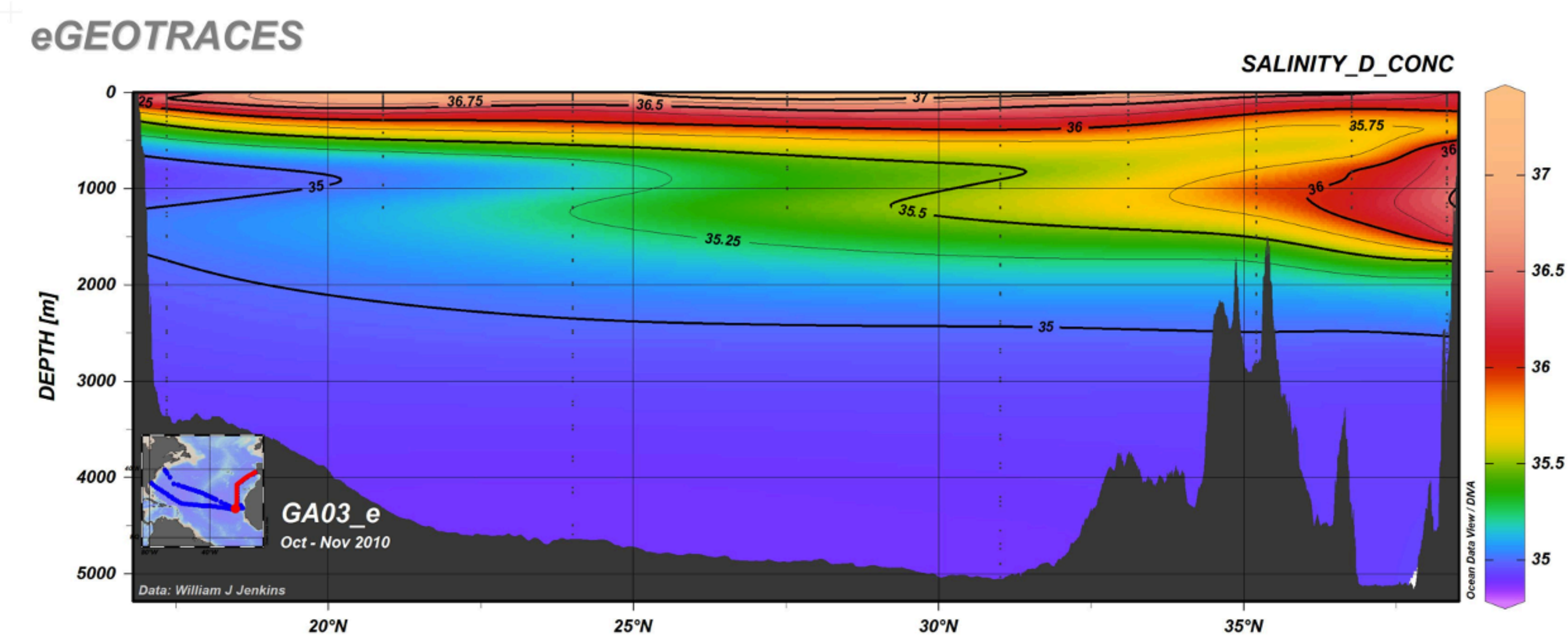
Balise 7



Balise 8

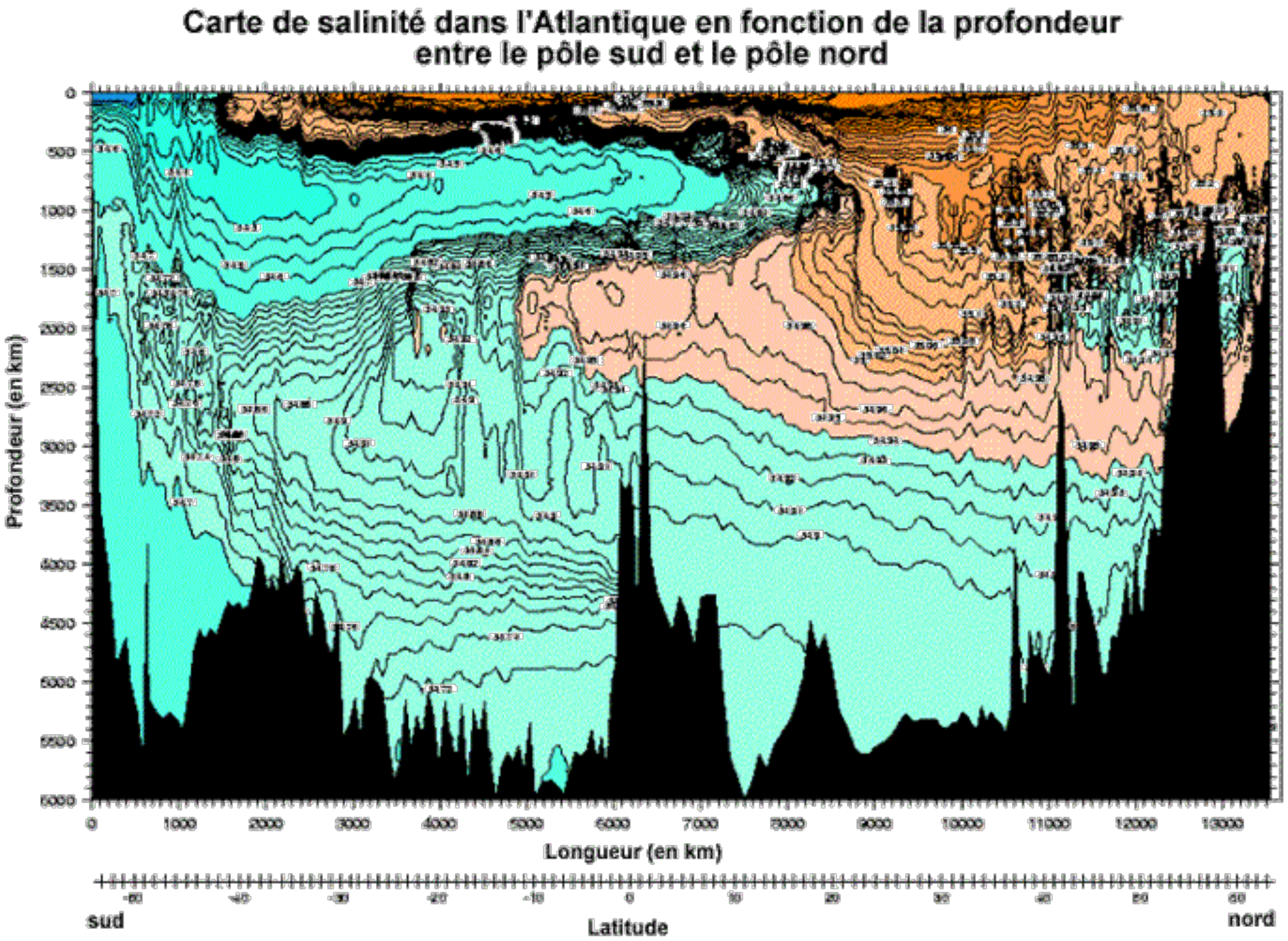


Partie 2 : étude de la circulation océanique profonde



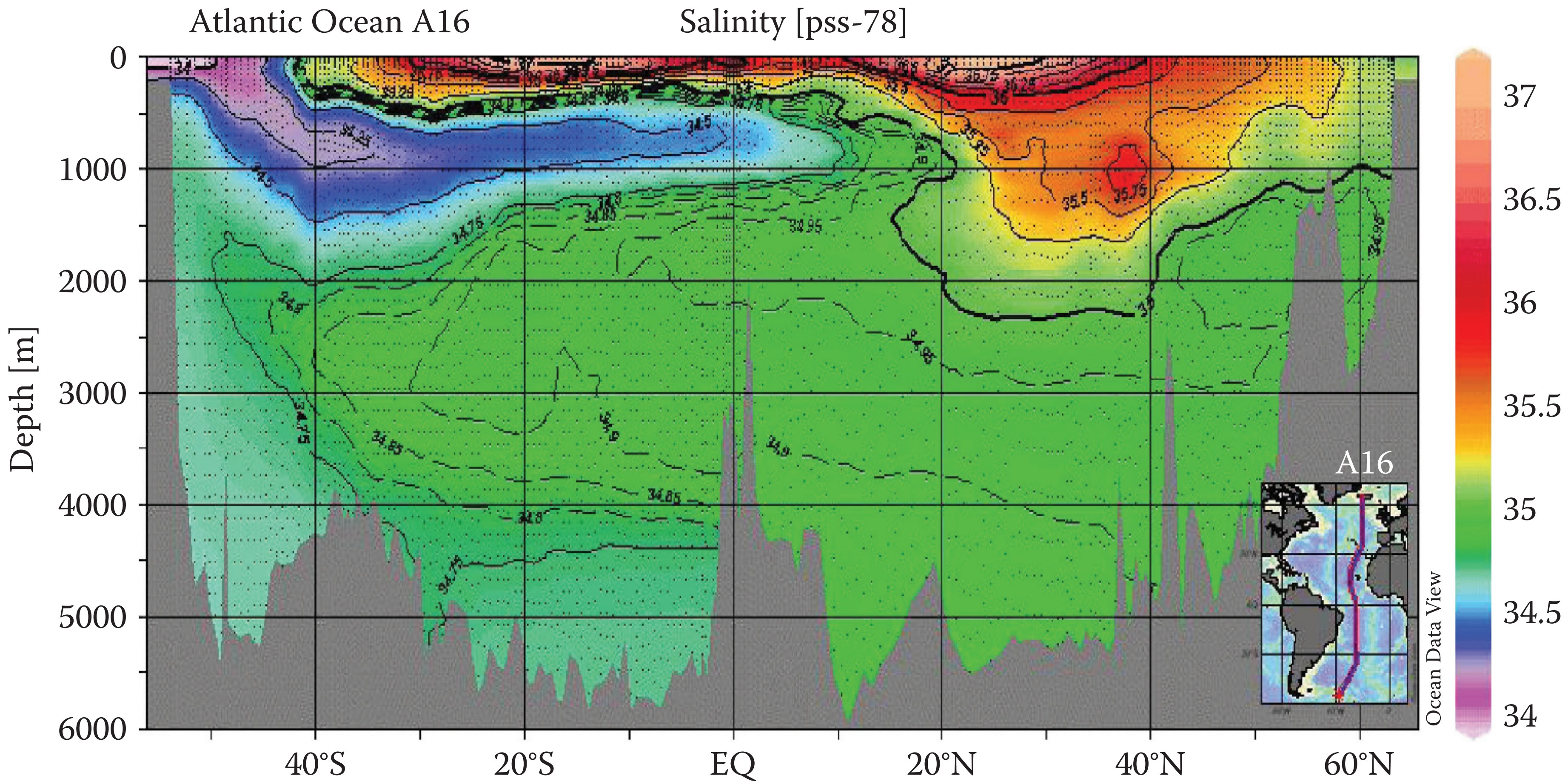
https://www.egeotraces.org/sections/jpg/300dpi/GA03_e_SALINITY_D_CONC.jpg

Partie 2 : étude de la circulation océanique profonde



https://planet-terre.ens-lyon.fr/ressource/thermohalin-antarctique.xml

Partie 2 : étude de la circulation océanique profonde



RoutledgeHandbooks-9781315157597-chapter3

Partie 2 : étude de la circulation océanique profonde

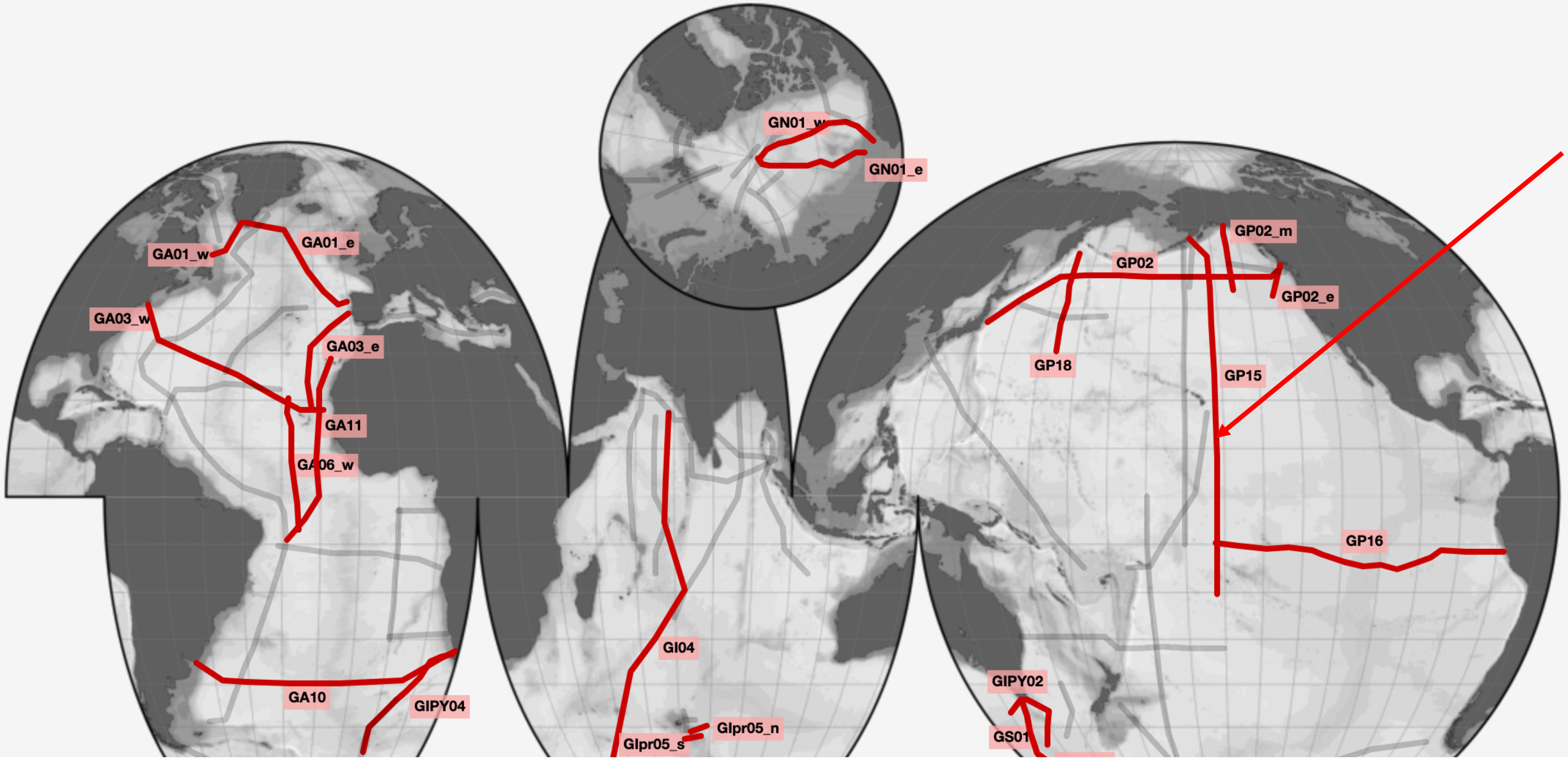
***e*GEOTRACES Electronic Atlas** *IDP2021_v1*

Reiner Schlitzer, Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Germany

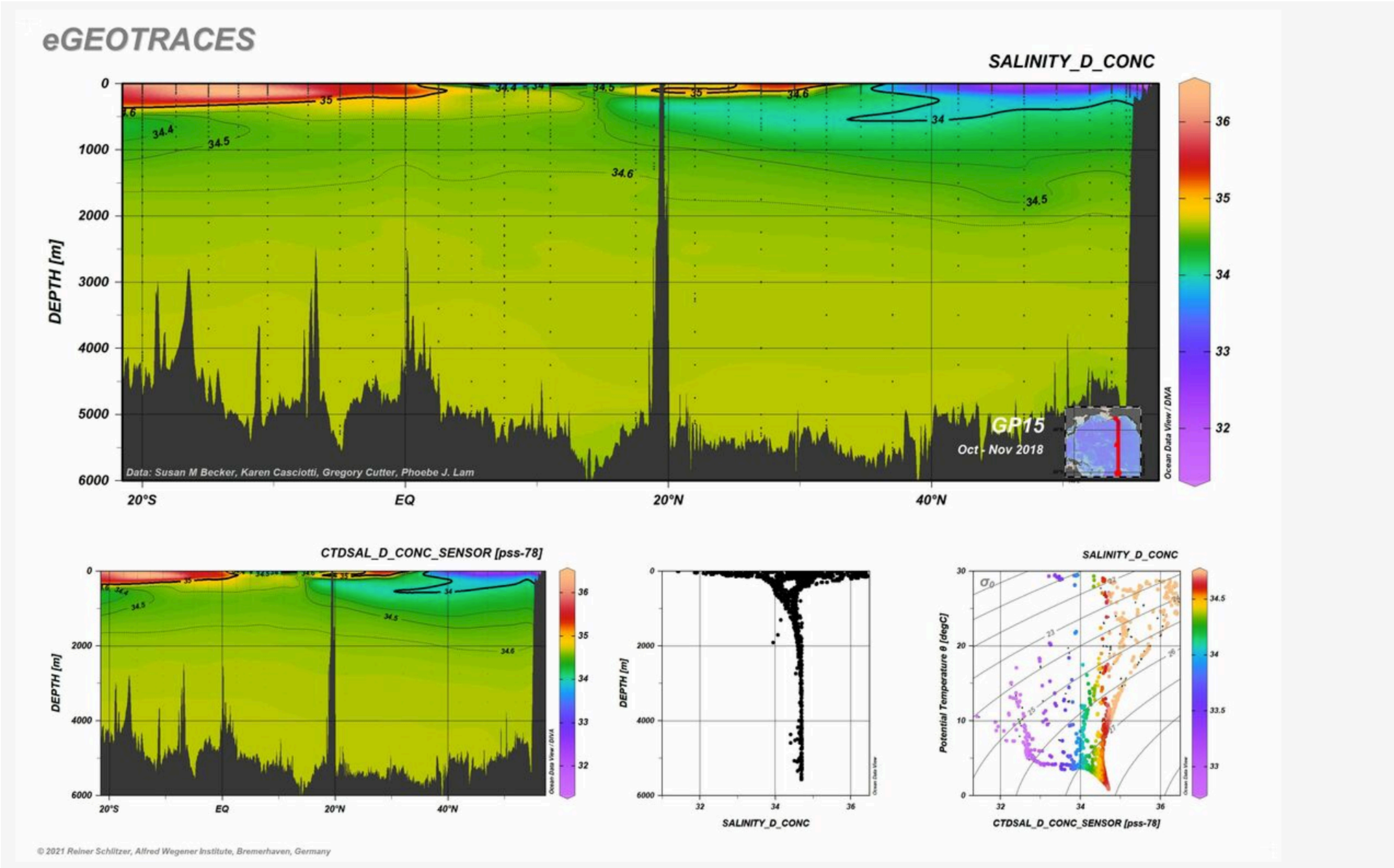
Select a data group and tracer, then click on a red section or blue basin label to view the tracer distribution along the section or as rotating 3D scene in the basin. Use the links at the bottom of the section and 3D scene pages to access original publications associated with the data or view other tracer plots along other sections or in other basins.

Hydrography and Inert Gases | Salinity

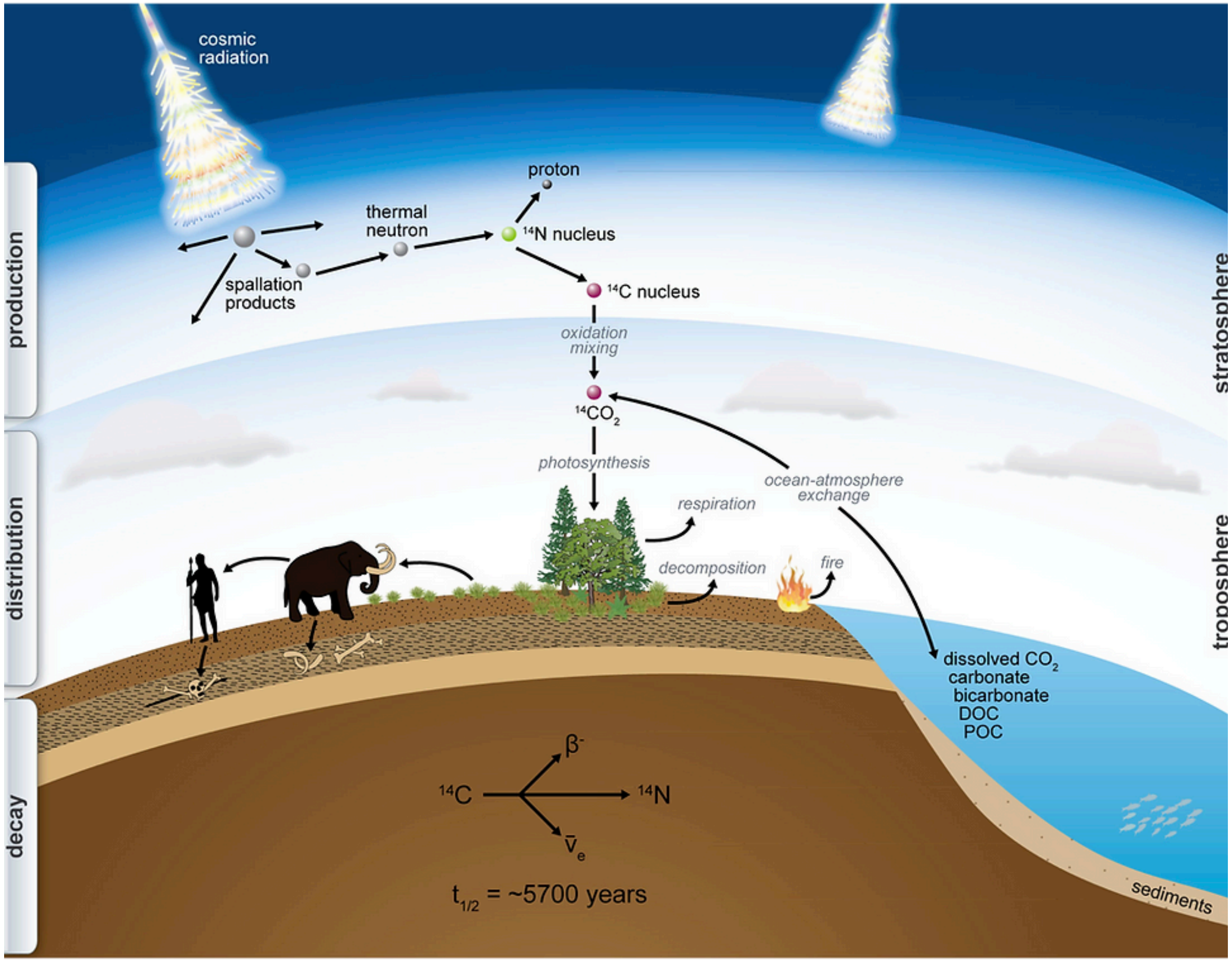
About *eGEOTRACES* | Fair Data Use Statement | Naming Conventions | Known Issues | Data Access Links | Publications



Partie 2 : étude de la circulation océanique profonde



Partie 2 : étude de la circulation océanique profonde



Partie 2 : étude de la circulation océanique profonde

âges des masses d'eau à 1500m de profondeur calculées en utilisant le ^{14}C et exprimées en années

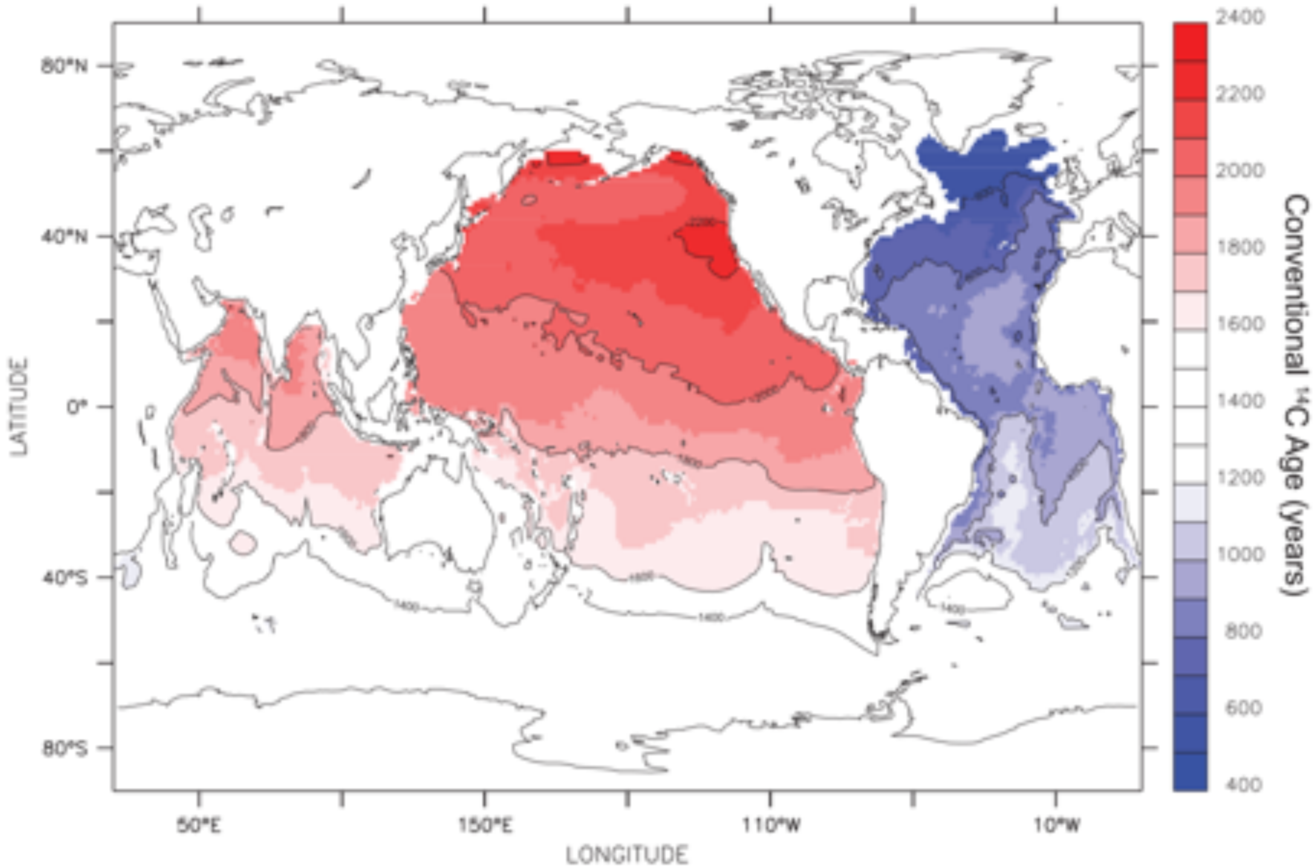
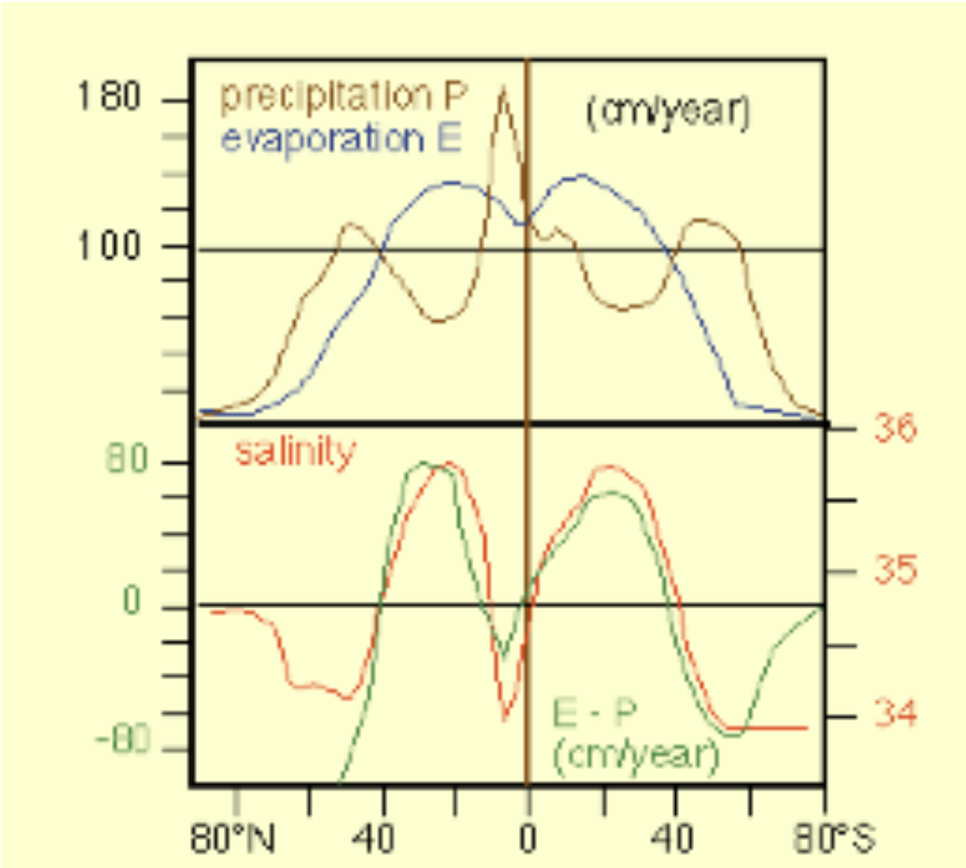


Figure 1. An objectively mapped conventional ^{14}C age of natural radiocarbon below 1500 m, following *Matsumoto and Key* [2004]. Unit is years.

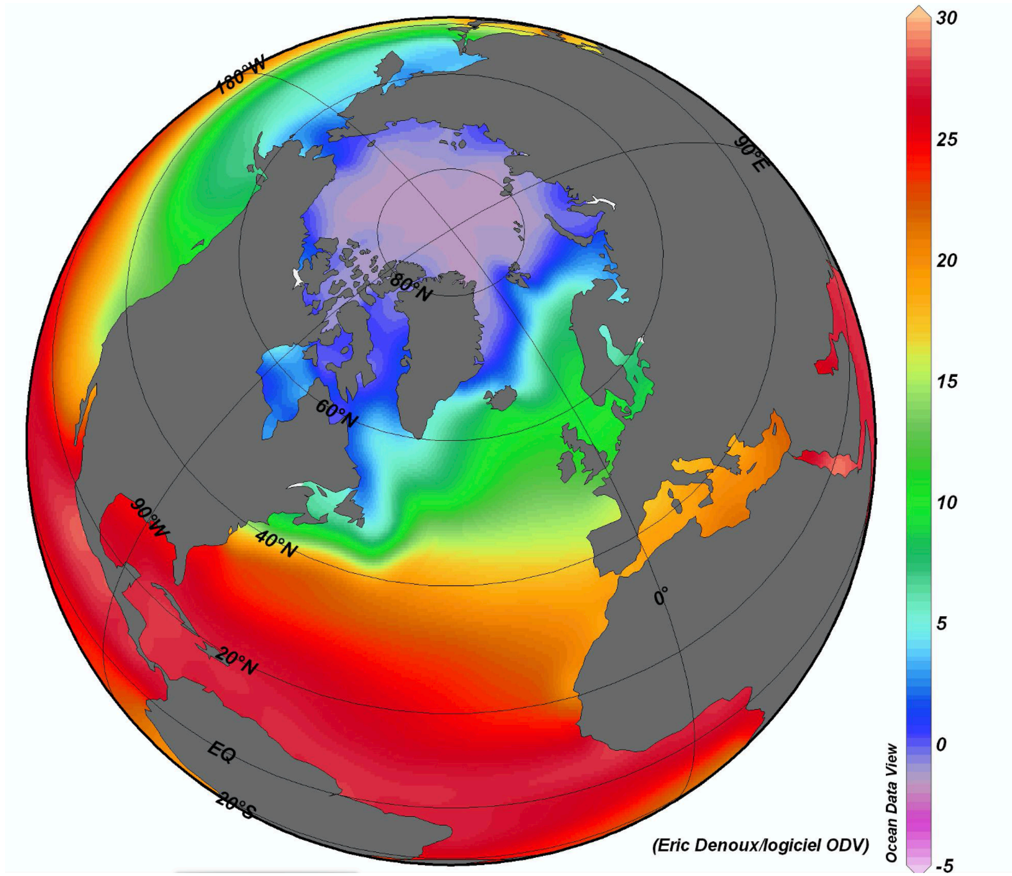
Partie 2 : étude de la circulation océanique profonde

Bilan hydrologique.

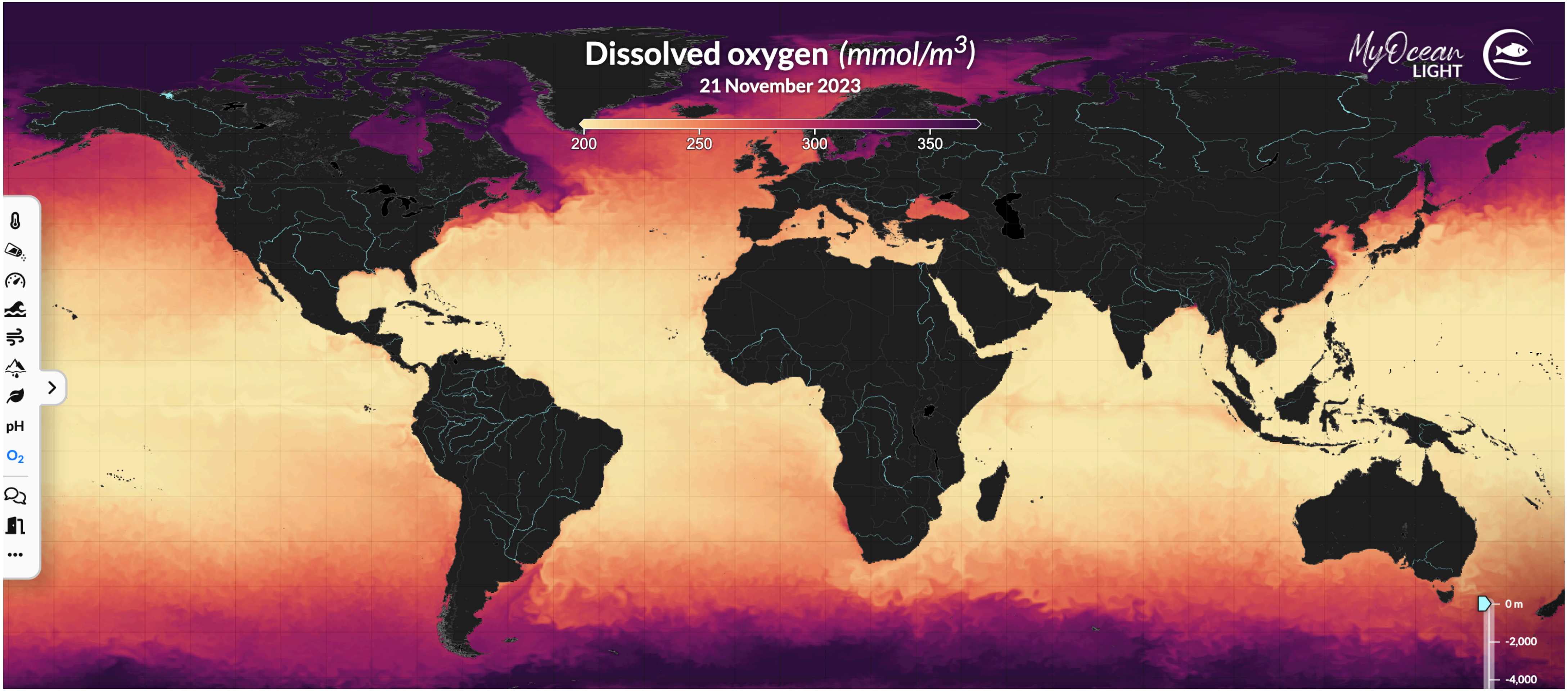


La salinité est exprimée en ‰.

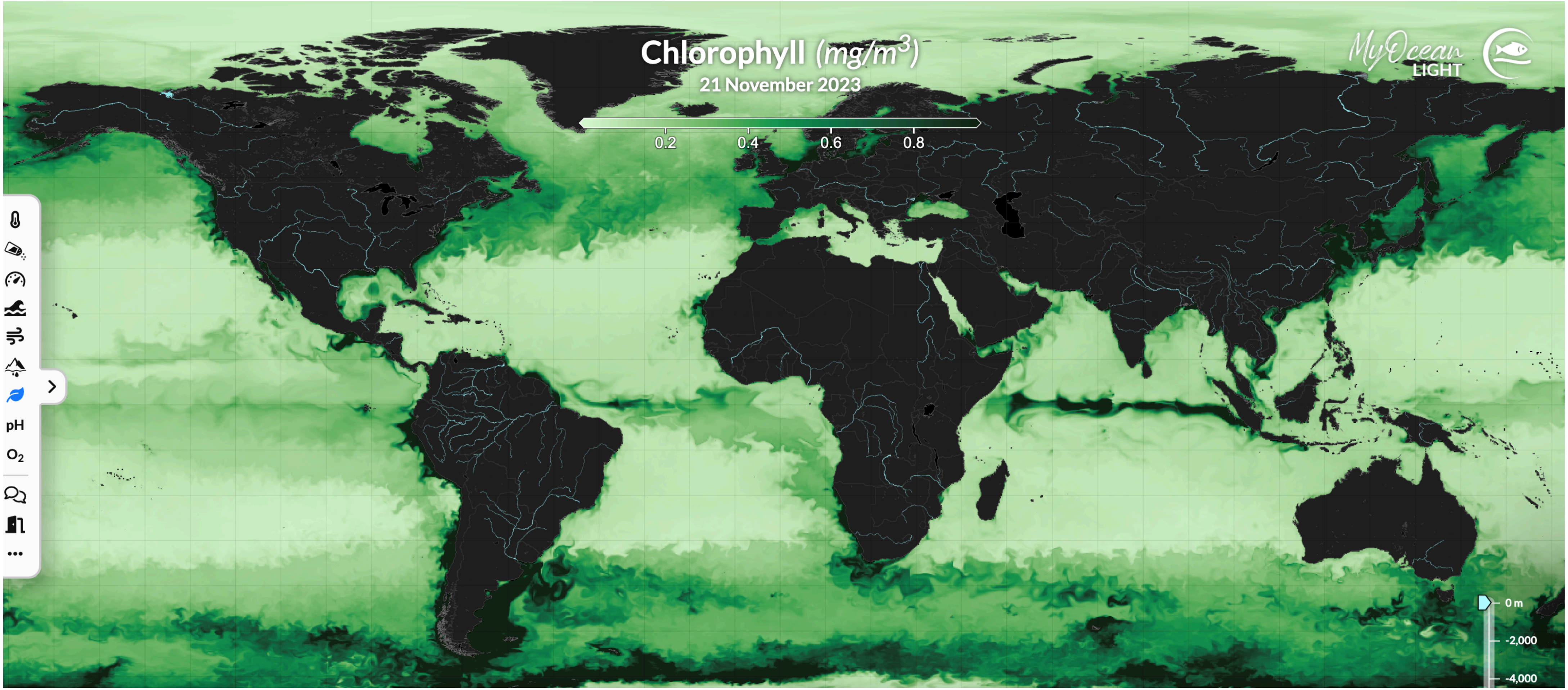
Température de surface océanique moyenne en 2001 en °C



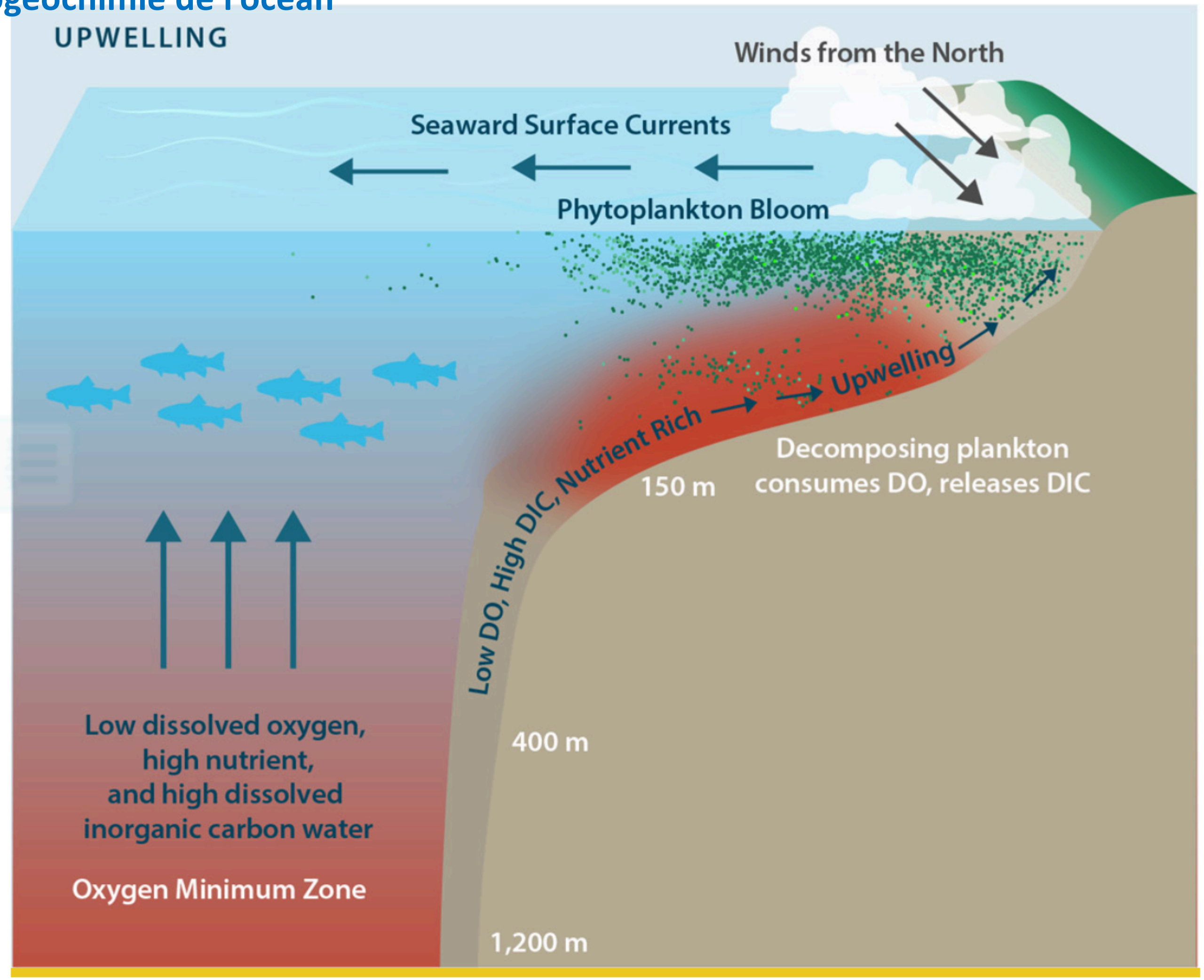
Partie 3 : étude de la biogéochimie de l'océan



Partie 3 : étude de la biogéochimie de l'océan



Partie 3 : étude de la biogéochimie de l’océan



Mécanisme de formation des blooms à travers un phénomène d’upwelling. Crédit photo : Francis Chan, John A. Barth, Kristy J. Kroeker, Jane Lubchenco and Bruce A. Menge. Modified from Gewin (2010) by Moni Kovacs., CC BY-SA 4.0 via Wikimedia Commons

Partie 3 : étude de la biogéochimie de l'océan