

Paleoclimatologist seeking a postdoctoral position focused on understanding the dynamics and biogeochemical evolution of the global ocean during the Cenozoic.

EDUCATION	CEREGE	Aix-en-Provence, France
	<i>Ph.D. - Paleooceanography</i>	2023 - 2026
	IUEM & ENSTA Bretagne	Brest, France
	<i>M.S - Ocean and Climate Physics & Engineering Degree in Hydrography</i>	2020 - 2023
	UBO	Brest, France
	<i>B.S - Hydrography</i>	2019 - 2020

- PUBLICATIONS
1. **Erwan Pineau**, Camille Lique, Anta-Clarisse Sarr, Jean-Baptiste Ladant, Olivier Aumont, Thomas Gorgues and Yannick Donnadieu. *Processes influencing the oxygen deficient zone in the equatorial Pacific During the middle Miocene*, in preparation.
 2. Bram Vaes, Alexis Licht, Yannick Donnadieu, **Erwan Pineau**, Pierre Maffre, Thomas B. Chalk, Zijian Zhang and Pietro Sternai. *Correcting paleolatitude bias improves Cenozoic greenhouse climate models and model-proxy agreement*, in preparation.
 3. **Erwan Pineau**, Camille Lique, David Ferreira, Thierry Huck, Jean-Baptiste Ladant, Emma Fabre, Jeanne-Millot Weil and Yannick Donnadieu. *AMOC evolution across the Cenozoic through a shift of the isopycnal upwelling from the Equator to the Southern Ocean*, *Geophysical Research Letters*, 2026.
 4. Leny Montheil, Alexis Licht, K. Christopher Beard, Grégoire Métais, Pauline Coster, Bram Vaes, Yannick Donnadieu, **Erwan Pineau**, Laurent Husson and Guillaume Dupont-Nivet. *Across ancient oceans: Eocene dispersal routes of Asian terrestrial mammals to Europe, Afro-Arabia and South America*, *Earth-Science Review*, 2025.
 5. **Erwan Pineau**, Yannick Donnadieu, Pierre Maffre, Camille Lique, Thierry Huck, Anthony Gramoullé, and Jean-Baptiste Ladant. *A model based study of the emergence of north atlantic deep water during the cenozoic: A tale of geological and climatic forcings*. *Paleoceanography and Paleoclimatology*, 2025.

SKILLS	Modeling 	2 years
	<ul style="list-style-type: none">• Earth System Model: IPSL-CM5A2• Ocean biogeochemical model: PISCESv2	
	Analysis 	
	<ul style="list-style-type: none">• Lagrangian: ARIANE• Python• Ferret• QGIS/ArcGIS	
	Writing/Illustration 	5 years
	<ul style="list-style-type: none">• Latex• Inkscape	

RESEARCH EXPERIENCE	CEREGE Aix-en-Provence, France	2023.11 - today
	Ph.D. supervised by Yannick Donnadiou and Camille Lique: Stability / instability of the Atlantic Meridional Oceanic Circulation: What the past can tell us and what were consequences on the oceanic carbon sink?	
	<ul style="list-style-type: none"> • 1st chapter: Processes influencing the NADW formation across the Cenozoic^[5]. • 2nd chapter: Evolution of the structure and intensity of the AMOC from 40 Ma to the pre-industrial period^[3]. • 3rd chapter: Oxygen Minimum Zone in the East Tropical Pacific during the middle Miocene^[1]. • 4th chapter: The relationship between the AMOC and the ACC in response to the deepening of the Drake Passage. 	
	CEREGE Aix-en-Provence, France	2023.04 - 2023.09
	Research internship supervised by Yannick Donnadiou: Evolution of the oceanic circulation over the past 55 Ma using a global Earth model	
	<ul style="list-style-type: none"> • Sensitivity analysis: paleogeography, straits opening/closing, orography & pCO₂. • Thermal and fresh water budgets. • Model-data comparison. 	
	IFREMER Brest, France	2022.06 - 2022.09
	Research internship supervised by Fanny Ardhuin: Qualification of a sea ice drift dataset in Antarctica	
	<ul style="list-style-type: none"> • Data processing and statistical analysis. • Colocalization algorithm. 	
	LOPS Brest, France	2021.05 - 2021.07
	Research internship supervised by Olivier Arzel: Impact of the hydrological cycle on the Dansgaard-Oeschger events	
	<ul style="list-style-type: none"> • Sensitivity and data analysis 	
CONFERENCE/ SUMMER SCHOOL	Talk, Ocean Sciences Meeting, <i>Glasgow, Scotland</i>	February 2026
	Poster, 15 th International Conference on Palaeoceanography, <i>Bangalore, India</i>	September 2025
	Seminar, LOPS, <i>Brest, France</i>	April 2025
	Poster, European Geosciences Union, <i>Vienna, Austria</i>	April 2024
	Summer school, Urbino Summer School in Paleoclimatology, <i>Urbino, Italia</i>	July-August 2023
REFERENCES	Yannick Donnadiou; <i>donnadiou@cerege.fr</i>	Researcher, CEREGE
	Camille Lique <i>camille.lique@ifremer.fr</i>	Researcher, IFREMER/LOPS
	Jean-Baptiste Ladant; <i>jean-baptiste.ladant@lsce.ipsl.fr</i>	Researcher, LSCE/CEA