

COP29 VIRTUAL OCEAN PAVILION EXHIBITS

Plymouth Marine Laboratory (PML)



Description

Plymouth Marine Laboratory (PML) has been studying climate change, its impacts on marine ecosystems and society for decades with our research used to inform national and international policy decisions needed to adapt and mitigate for climate change. In addition, our experts are working to develop technologies and novel applications in support of addressing the climate crises, including on topics such as blue carbon, offshore renewable energy, carbon capture and storage, carbon dioxide removal but also related stressors such as the impact of plastics on climate change.

PML ocean and climate experts will be playing active parts at COP29 and have attended each COP since 2009. Over these years their work and that of the wider ocean community has seen Parties to the United Nations Framework Convention on Climate Change (UNFCCC) recognizing the importance of protecting the ocean and its ecosystems in the Convention and Paris Agreement. This includes the establishment of a mandated [Ocean and Climate Change Dialogue](#), for which, in 2024, PML expert Professor Matt Frost was a Break Out Group Moderator and Thecla Keizer a participant.

To increase the visibility of the ocean at the COPs and to make ocean events more accessible PML was a co-founder of the 1st Virtual Ocean Pavilion at COP26 and a founding partner of the 1st Ocean Pavilion at COP27.

You can find more information about PML's climate change work here [PML & climate change](#) and an overview of our activities at COP29 here [PML at the UN Climate Change Meeting COP29](#).

For any questions please contact PML's COP29 coordinator Thecla Keizer, tke@pml.ac.uk

Links

1. About Us: <https://pml.ac.uk/>
2. News and Events: <https://pml.ac.uk/news-and-events/>
3. X/Twitter: <https://x.com/plymouthmarine>
4. LinkedIn: <https://www.linkedin.com/company/plymouth-marine-laboratory-&-pml-applications-ltd/>
5. Instagram: <https://www.instagram.com/plymouthmarinelab/>
6. YouTube: <https://www.youtube.com/user/PMLAdministrator>
7. Facebook: <https://www.facebook.com/PlymouthMarineLaboratory/>
8. Vacancies: <https://pml.ac.uk/working-with-us/#current-vacancies>

Videos

1. Satellite observations and validation for marine biodiversity monitoring - HyperBOOST project: <https://player.vimeo.com/video/1024949129>
2. Artificial Light at Night: <https://www.youtube.com/watch?v=ZktO5N4xYvI>
3. Ocean Acidification – Commitments Video 2023: <https://player.vimeo.com/video/1024951877>
4. Artificial Intelligence: <https://player.vimeo.com/video/1024953109>
5. Why the ocean matters: https://www.youtube.com/watch?v=vf587C_m94w&t=2s

Documents

1. Brochure Plymouth Marine Laboratory: <https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730330662pml-brochure-pdf1730330662.pdf>
2. Plankton – UN Global Compact: <https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730330962plankton-manifesto-un-global-compact-pdf1730330962.pdf>
3. Policy Briefing Policy Briefing - Aligning National Climate and Biodiversity Strategies: <https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730331139policy-briefing-aligning-national-climate-and-biodiversity-strategies-pdf1730331139.pdf>

4. Marine Protected Areas and Ocean Fronts - slide presentation, Peter Miller:
<https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730332517presentation-slides-marine-protected-areas-and-ocean-fronts-peter-miller-pdf1730332517.pdf>
5. Climate-smart management of UK seas - Summary for Policy Makers:
<https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730332745climate-smart-management-of-uk-seas-summary-for-policy-makers-pdf1730332745.pdf>
6. Research briefing - Artificial Light at Night:
<https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730332855research-briefing-artificial-light-at-night-pdf1730332855.pdf>
7. Research briefing - Atlantic Meridional Transect:
<https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730332885research-briefing-atlantic-meridional-transect-pdf1730332885.pdf>
8. Research briefing - Carbon Capture & Storage (CCS):
<https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730333200research-briefing-carbon-capture-amp-storage-pdf1730333200.pdf>
9. Research briefing - Offshore Renewable Impacts on Ecosystem Services:
<https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730333296research-briefing-offshore-renewable-impacts-on-ecosystem-services-pdf1730333296.pdf>
10. Acidification and biodiversity loss: Connecting the dots with data:
<https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730333609acidification-and-biodiversity-loss-back-to-blue-economist-impact-pdf1730333609.pdf>
11. Acidification - introduction UN Ocean Decade OARS programme:
<https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730333684acidification-introduction-un-ocean-decade-oars-programme-pdf1730333684.pdf>
12. Acidification - introduction slides UN Ocean Decade OARS programme: **See attached file**
13. Acidification - Policy briefing CBD Targets:
<https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730334259acidification-policy-briefing-cbd-targets-pdf1730334259.pdf>
14. Acidification - Vision for the UN Ocean Decade, Technical Report:
<https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730334449acidification-vision-for-the-un-ocean-decade-technical-report-pdf1730334449.pdf>
15. Acidification - What to monitor and why - Widdicombe et al.
<https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730334510acidification-what-to-monitor-and-why-widdicombe-et-al-pdf1730334510.pdf>

16. Acidification - Science to Action - Information for Decision Making:
<https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730334585acidification-science-to-action-information-for-decision-making-pdf1730334585.pdf>
17. Acidification - Biological Impacts Infographic:
<https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730334709acidification-biological-impacts-infographic-pdf1730334709.pdf>
18. Acidification - Policy Engagement infographic:
<https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730334751acidification-policy-engagement-infographic-pdf1730334751.pdf>
19. Acidification - Public Awareness infographic:
<https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1730334794acidification-public-awareness-infographic-pdf1730334794.pdf>
20. State of the Cryosphere 2024:
<https://euimg.vfairs.com/uploads/vjfnew/10000542/content/docs/1731407637state-of-the-cryosphere-report-2024-pdf1731407637.pdf>