



**PAL
MOD**

GERMAN
CLIMATE
MODELING
INITIATIVE

Newsletter May 2024

Dear PalMod members and friends,

welcome to this very short Newsletter.

The registration for the **PalMod Phase III** Kick Off Meeting on **Tuesday, June 11th & Wednesday, June 12th 2024** in **Hamburg** is open and many PalMod members have already signed up.

If you wish to attend but did not register yet, please do so **latest by May 24**.

You find the preliminary agenda and registration link here:

<https://www.palmod.de/upcoming-meetings>

The final agenda of the Kick off will be available after the next Steering Group Meeting end of next week.

For the agenda of the Annual Assembly of WG1, WG2, WG2 and CC, that will take place on Wed. afternoon, contact your PIs.

Now, that **PalMod Phase II** is largely completed, all WPs and WGs have reported on the achievement or non-achievement of the Milestones and Deliverables to the Projektträger DLR in the final reports. That means there will no longer be a list of overdue M&D from Phase II in the newsletter.

A new list of M&D from PalMod Phase III will be published from the next newsletter on after the kick-off, when the work has officially started.

As always, in order to support you in your work in the best possible way, please let me know

- when you reached your M&Ds or if they should be postponed
- when you published a PalMod Paper
- when you submitted your final report or intermediate report and send me a copy

1. Overview on PalMod DKRZ Compute Resources

Subproject	Compute resources [n*h] for Jan/Feb/Mar*	Compute resources [n*h] expired after in Q1 / 24	/work [TB] granted	/work [TB] in use
WG1, ba0989	228.750	34%	1.650	1.546
WG2, bm1030	105.000	10%	1.090	999
DM, bk1192	2.497	100%	306	132

We can always shift the resources between the projects on request.

2. PalMod Paper in 2024

Köhler, P. and Mulitza, S.: No detectable influence of the carbonate ion effect on changes in stable carbon isotope ratios ($\delta^{13}\text{C}$) of shallow dwelling planktic foraminifera over the past 160 kyr, *Clim. Past*, 20, 991–1015, <https://doi.org/10.5194/cp-20-991-2024>, 2024.

Niu, L., Knorr, G., Krebs-Kanzow, U. et al. Rapid Laurentide Ice Sheet growth preceding the Last Glacial Maximum due to summer snowfall. *Nat. Geosci.* <https://doi.org/10.1038/s41561-024-01419-z>, 2024

Butzin, M., Ye, Y., Völker, C., Gürses, Ö., Hauck, J., and Köhler, P.: Carbon isotopes in the marine biogeochemistry model FESOM2.1-REcoM3, *Geosci. Model Dev.*, 17, 1709–1727, <https://doi.org/10.5194/gmd-17-1709-2024>, 2024.