



**PAL
MOD**

GERMAN
CLIMATE
MODELING
INITIATIVE

Newsletter 10 / 2020

You find further details on PalMod II at <https://www.palmod.de>

Dear PalMod II members,

Please welcome the new PalMod II colleagues

- **Dragan Latinovic** (dlatinovic@marum.de), PostDoc WP1.3 (MARUM):

Now all positions are filled and the PalMod staff is complete ☺

PalMod Seminar Series:

- Di, 18. November (!) 2020, 16h: Ulrike Herzschuh (AWI) & Anne Dallmeyer (MPI)

Contact details will follow timely in the next Newsletter.

Recent PalMod II - related Publications

Palmer, M. D., Gregory, J. M., Bagge, M., Calvert, D., Hagedoorn, J. M., & Howard, T., et al., 2020. Exploring the drivers of global and local sea-level change over the 21st century and beyond. *Earth's Future*, 8, e2019EF001413. <https://doi.org/10.1029/2019EF001413>

Zhang, X. & Prange, M., 2020: Stability of the Atlantic overturning circulation under intermediate (MIS3) and full glacial (LGM) conditions and its relationship with Dansgaard-Oeschger climate variability. *Quat. Sci. Rev.*, 242, <https://doi.org/10.1016/j.quascirev.2020.106443>

[Song, Zhaoyang](#); [Latif, Mojib](#); [Park, Wonsun](#); [Zhang, Yuming](#) (2020): $\delta^{18}\text{O}$ and Model data for enhanced Greenland surface-temperature variability during the Last Glacial Maximum. PANGAEA, <https://doi.pangaea.de/10.1594/PANGAEA.922864> (dataset in review)

WP 2.2 Workshop Announcement:

Online-Workshop: Mapping of the Continental Shelves

29th October 2020, Beginning: 14:00 (MET)

The goal of the workshop is to discuss the availability of data and maps for the continental shelves regarding mainly lithological, geophysical and geochemical characteristics. We will discuss on how to classify and integrate the data into a homogenized global map database and how Last Glacial Maximum (LGM) states of the exposed continental shelves could be reconstructed and modelled. Besides, hydrological topics like groundwater discharge on the shelves and vegetation reconstructions for the LGM will be discussed.

Program (preliminary)

14:00 – beginning of workshop

Introduction: Jens Hartmann & Janine Börker

Session: Data availability for the Continental Shelves

Keynote Speaker: Chris Jenkins (University of Colorado, Boulder) – Presentation of the dbSEABED database

Nils Moosdorf (Leibniz Centre for Tropical Marine Research (ZMT)) – Groundwater discharge on the shelves

Discussion: How can available shelf data be classified and integrated into a homogenized database? How to combine the lithological map of the continental shelves with terrestrial lithological maps? How to proceed with areas where no data exists?

Session: Modelling of Shelf Characteristics

Hayley Cawthra (Council for Geoscience Western Cape Office & Nelson Mandela University, South Africa) – Geological and soil maps of the Palaeo-Agulhas Plain for the Last Glacial Maximum

Adriaan Grobler (Nelson Mandela University) - Palaeo-Agulhas Plain LGM vegetation

18:00 – approximately end of workshop

If you would like to participate in the workshop, please register online at <https://terminplaner4.dfn.de/RZNzc3PgJ92t82YH> until October 26, providing your name and your e-mail address. The link to the zoom-session will be sent shortly in advance of the event to your e-mail address.

GEFÖRDERT VOM



Bundesministerium
für Bildung
und Forschung



FONA
Forschung für Nachhaltige
Entwicklung
BMBF

Useful news and links

The protocol of the last Steering Group Meeting, 21.09.2020 can be found:

<https://www.palmod.de/group/palmod/protocols>

As an outcome of the Steering Group Meeting we created an PalMod Twitter Account

Please follow us under: @palmod_project

Here you find the monthly updated traffic-light list (05.10.2020) of Milestones and Deliverables:

<https://www.palmod.de/group/palmod/milestones-deliverables>

		Due to		-Y		
WG1	WP1.3 M1	30.06.20	●	-97	done / overdue	PIK
WG3	WP3.1 D3	30.06.20	●	-97	done / overdue	Marum
WG1	WP1.1 D1	30.09.20	●	-5	done / overdue	AWI, Marum, MPI
WG1	WP1.4 M4	30.09.20	●	-5	done / overdue	GEOMAR
WG2	WP2.1 M3	30.09.20	●	-5	done / overdue	MPI
WG2	WP2.1 M4	30.09.20	●	-5	done / overdue	CAU
WG2	WP2.3 M4	30.09.20	●	-5	done / overdue	MPI-C
WG3	WP3.2 M1	30.09.20	●	-5	done / overdue	GFZ
CC	CC2 M4	30.09.20	●	-5	done / overdue	HZG
CC	CC2 M10	30.09.20	●	-5	done / overdue	U Bonn
CC	CC2 D4	30.09.20	●	-5	done / overdue	HZG
CC	CC2 D8	30.09.20	●	-5	done / overdue	Uni Bonn

Please make sure, that you keep an eye on the upcoming Milestone and Deliverables and if you cannot meet them, please keep me informed (kfieg@geomar.de), so I can talk to the Projektträger DLR.