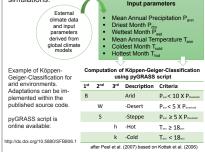


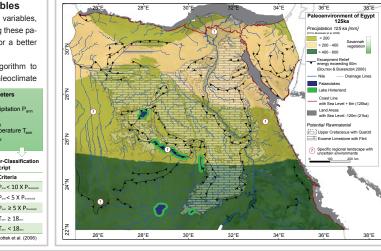
## Various data sets are independently compiled and their influence on different scales on the given landscapes have to be investigated. The maps show different GIS-data, and the specific variables serve as parameters for the correlation and calculation of continuative features for the representation of the paleoenvironment. This collection is going to be continuously expanded.

3) Example for transfer of variables

Climate models only supply single output variables, e.g. precipitation or temperature. Combining these parameters to climate classifications helps for a better understanding of the paleoenvironment. WILLMES et al. (2016b) developed an algorithm to

compute Köppen-Geiger classification of paleoclimate simulations.





## **Results & Conclusion**

The map is displaying a first collection of data for the last interglacial of Egypt, showing the general pattern of more humid conditions.

4

Formation of a savannah ecozone is likely in most parts. Activation of the drainage system as well as lake formations have been proofed from the literature.

Feedback mechanism of changed parameters to various landscapes are often still questionable and sedimentological / archaeological records about the palaeoenvironment have to be integrated.

However, the produced datasets and maps serve as background for modelling human behavior, e.g. by Agent-Based-Modelling, and is a future prospect of the PaleoMaps project.

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nent DFG

The Cerman Research Foundation is founding this of the CRC 806 "Our Way to Europe". www.sfb806.