



We are pleased to advertise a 42-months postdoctoral fellow position at the Institute of Geography and Spatial Organization Polish Academy of Sciences.

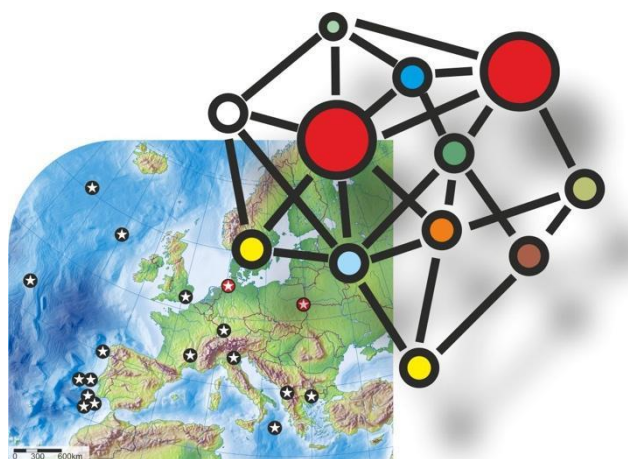
As part of a project funded by the NCN: SONATA BIS 2019/34/E/ST10/00275

Novel multi-proxy approaches for synchronization of European palaeoclimate records from the Holstein interglacial

Context: The main aim of this project is to trace in detail the succession of climatic conditions at the time of two abrupt cooling events during the Holsteinian Interglacial (Older Holsteinian Oscillation (OHO) and Younger Holsteinian Oscillation (YHO)) in order to examine their spatial extents and temporal patterns across Europe.

We plan to apply novel multi-method approaches to carry out the research. High-resolution 5-10 years temporal resolution biological proxies (pollen, Chironomidae, Cladocera and diatoms), geochemical data (μ -XRF element scans) and biomarkers will be applied to reconstruct lakes system responses to rapid climatic and environmental changes during climatic events around OHO and YHO in MIS

11. A robust chronology for the investigated archives will be based on varve counting, Beryllium-10 and tephrochronology. The results allowed tracing the dynamics of short-term shifts of the ecosystem triggered by abrupt climate change. The robust age control together with the high-resolution sampling will allow us the detection of leads and lags between different proxies connected with the climate shifts at the YHO and OHO, but more importantly, the temporal and spatial evolution of these changes.



The project is an international cooperation under the leadership of the Institute of Geography and Spatial Planning, Polish Academy of Sciences.

Funding. A postdoctoral position grant for 42 months at a rate consistent with the regulations of the National Science Centre, salary ca. 10 000 PLN/month gross.

Your responsibilities:

- Analyses of lake sediments including microfacies analyses
- Analyses and interpretation of XRF element scanner data
- Interpretation of proxies (pollen, diatom, Chironomidae, biomarkers and isotopes)
- Field work
- Publish in international journals and presenting results at international scientific conferences



Your qualifications:

- PhD in Earth or Environmental Sciences, Physical Geography, Quaternary Science, Environmental Chemistry or similar- Experience in the work with lake sediments, sedimentology and microfacies analyses
- Knowledge of proxies (pollen, diatom, Chironomidae, biomarkers and isotopes)
- Knowledge in analyses and interpretation of XRF element scanner data - Strong language and communication skills (English), both oral and written - ability to work in an international team
- willingness to work abroad for parts of the project time

Applications: the project PI is dr hab. Michał Słowiński, head of the Department of Past Landscape Dynamics Institute of Geography and Spatial Organization Polish Academy of Sciences. Interested persons are requested to send a CV, letter of motivation, transcript of MSc and PhD with Grades, publication list, three letters of recommendation by email to michal.slowinski@geopan.torun.pl.

Deadline for submitting offers: August 5, 2022. The competition will be open until a suitable candidate is found who meets all the requirements.

All questions related to the substantive scope of the project as well as organizational and financial aspects may be sent to the same address dr hab. Michał Słowiński (michal.slowinski@geopan.torun.pl). Excellent applications will be invited for an online interview.

with best regards,
Dr hab. Michał Słowiński, Prof. IGIPIZ
Department of Past Landscapes Dynamics
Institute of Geography and Spatial Organization, Polish Academy of Sciences