Ecology Seminar

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A window to the past: Data-driven insight into past vegetation trends using fossil pollen

In the rapidly evolving field of ecological research, the integration of advanced statistical methodologies and data science has opened new perspectives for understanding historical biodiversity patterns. Through the lens of palaeoecological analysis of fossil pollen records, I offer a glimpse into past vegetation dynamics, revealing how statistical methods and data science can uncover previously hidden patterns within ancient ecosystems. My research not only highlights the vast amount of information concealed in such data, but also underscores the critical role of novel methods and software developments in providing unparalleled insights into biodiversity patterns. These insights are essential for confronting the challenges posed by the current climate change crisis, paving the way for a more informed and proactive approach to ecological conservation.

Where? **Lecture Hall B2, Building B2, Branišovská 1760**