Stable Isotopes in Earth Sciences
Dr. Nikolai Pedentchouk
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Tuesday, 18 April, 15:00-18:00 - 2 lectures and 1 practical


Lecture 2: Fundamentals of Light (C, H, O) Isotopes, Part II: Carbonates and Organic Compounds (Biomarkers) - Archive of Climate Change in the Past - 45 min

Practical: Basics of Sample Preparation and Demonstration of EA-IRMS and GC-IRMS Measurements - 1 hour

Thursday, 20 April, 15:00-17:30 - 3 lectures

Lecture 3: Systematics of C Isotopes (Aquatic and Terrestrial Plants) and Applications to Studying C cycle in the Past - 45 min

Lecture 4: Systematics of H and O isotopes (Speleothems, Aquatic and Terrestrial Plants) and Applications to Studying Hydrological Cycle in the Past - 45 min

Lecture 5: Case Studies: e.g. Palaeocene-Eocene Thermal Maximum, Miocene, Quaternary - 45 min

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