

Advanced Methods PG: Stable Isotope Analysis

PD Dr. Christoph Mayr

Institut für Geographie

PD Dr. Christoph Mayr

Wetterkreuz 15, 91058 Erlangen

Tel. +49 9131 85-22016

Fax +49 9131 85-22013

christoph.mayr@fau.de

www.geographie.uni-erlangen.de

Applicability: Master PG

ECTS: 15

Number of participants: max. 10

Preliminary meeting (obligatory): online via Zoom on 31. January
2022, 4 pm

Learning objectives and skills: Stable isotopes are important tools for environmental research. They are widely applied, e.g. in paleoclimate, carbon cycle or ecosystem studies. Moreover, they are increasingly used for geographic provenancing related to “isotopic fingerprints”, e.g. in food control and forensics.

The major principles of stable isotope techniques will be communicated both theoretically and practically. Potential applications will be learned in form of exercises and joint project work.

Learning achievements: seminar talk, exercises, lab work, project work, paper writing



Dates: Block course 8.-12. August 2022 (Mon-Fri) 9 am-4 pm, Geography laboratories Erlangen