



AUSTRIAN  
ACADEMY OF  
SCIENCES

JANUARY 18, 2024  
START: 6 P.M.  
AUSTRIAN ACADEMY OF SCIENCES  
JOHANNESSAAL  
DR. IGNAZ SEIPEL-PLATZ 2  
1010 VIENNA

## ACADEMY LECTURES

### EDUARD SUESS LECTURE



© Robbie Stone/Greenland Caves Project

# EXPLORATION OF THE WORLD'S NORTHERNMOST CAVES AND THEIR USE IN PALAEOCLIMATE RESEARCH

**GINA MOSELEY**

*Institute of Geology, University of Innsbruck*

## WELCOME

**CHRISTIANE WENDEHORST**

*President of the Division of Humanities and Social Sciences of the Austrian Academy of Sciences*

In this talk, Gina Moseley will present the story of exploration and paleoclimate research in the world's northernmost caves located in North and Northeast Greenland. She will discuss why studying cave mineral deposits known as speleothems are important for improving understanding of Greenland's climate in the past and discuss the latest research findings.

**Gina Moseley** is an Assistant Professor of Paleoclimatology in the Institute of Geology, University of Innsbruck. She is known for using cave mineral deposits to study past warm climate intervals and periods of rapid change. She is a 2021 Rolex Award for Enterprise Laureate, National Geographical Explorer, Explorers Club Top 50, and the main protagonist in the giant screen film, Ancient Caves. She is the recipient of an FWF Start Grant and numerous scientific awards.

The Eduard Suess Lectures focus on research topics from the field of Geosciences, and are named after the Austrian scientist and politician Eduard Suess, who founded the "Vienna School of Geology" in the early twentieth century, initiated the construction of Vienna's first mountain spring water supply and played a large role in the regulation of the Danube in Vienna. This event is part of the broader category of the "Academy Lectures", a series of named lectures with which the academy wants to inspire the interested public for the latest research findings and raise awareness of current scientific and societal challenges.

Please register at: [www.oeaw.ac.at/anmeldung/akademievorlesungen](http://www.oeaw.ac.at/anmeldung/akademievorlesungen)

## CONTACT:

Andrea Windegger, Austrian Academy of Sciences, [andrea.windegger@oeaw.ac.at](mailto:andrea.windegger@oeaw.ac.at)