

CL5.1 Geochronological tools for environmental reconstructions

Chat time: Wednesday, 6 May 2020, 08:30–10:15

Chat opens at 8:15 am –we will have 15 min to say ‘hallo’ to anyone we see in chats (right top panel)

To see the flow of session **choose Abstracts with upload** (lower choice at the right panel)

- **Presenting authors:** prepare a summary of your presentation – 2-3 sentences to **copy-paste** after the introduction of your title by the convener
- **Everyone:** Questions and Answer: start with **@name**

Session introduction 8:30-8:35

**SHORT NOTE from Conveners announcing START will appear
Session summary 10:05-10:15+possibly 15 extra minutes in this chat room**

- New Presentation (Title and authors) introduced by the convener
- 10 min per presentation
 - Presenting Author please introduce your work 2-3 min
 - Q&A time
- After 10 min, the convener will give a sign (Time is UP we need to move to the next presentation) and will place the next presentation to CONTINUE.

Presentations

8:35-8:45 D3563 | EGU2020-2691

Improving age models for abrupt climate changes during the last glacial by pattern recognition

Mark Turner and Sandy Harrison

8:45-8:55 D3565 | EGU2020-1019

Refining chronologies by dating pollen concentrates – new approach of separating pollen using flow cytometry

Christoph Steinhoff, Nadine Pickarski, and Thomas Litt

8:55-9:05 D3569 | EGU2020-468 Using high-resolution portable OSL (POSL) profiling to characterize Holocene beach ridges at Lake Schweriner See, NE-Germany

Marie-Luise Adolph, Reinhard Lampe, Sebastian Lorenz, and Torsten Haberzettl

9:05-9:15 D3572 | EGU2020-5377

Evidence for solar-flare and other cosmic-ray events in the 14C record in tree rings: New information and a cautionary tale.

Anthony Jull, Irina Panyushkina, Fusa Miyake, Matthew Salzer, Chris Baisan, Mihaly Molnar, Tamas Varga, Lukas Wacker, Nicholas Brehm, and Willy Tegel

9:15-9:25 D3573 | EGU2020-8894

CryptoTEPHras in the ICDP Dead Sea deep core to synchronise past eastern Mediterranean hydroclimate (TEPH-ME)

Ina Neugebauer, Markus J. Schwab, Simon Blockley, Christine S. Lane, Birgit Plessen, Rik Tjallingii, Sabine Wulf, and Achim Brauer

9:25-9:35 D3574 | EGU2020-9336
Statistical approaches and tools for IntCal20

Christopher Bronk Ramsey, Timothy Heaton, Maarten Blaauw, Paul Blackwell, Paula Reimer, Ron Reimer, and Marian Scott

9:35-9:45 D3575 | EGU2020-13827
The potential of ingrowth ^{226}Ra as a new dating tool for late Holocene carbonate deposits
Marie-Louise Froeschmann, Denis Scholz, Hubert Vonhof, Klaus Peter Jochum, Cees W. Passchier, and Gül Sürmelihindi

9:45-9:55 D3576 | EGU2020-13991
The CoNTESTA Project: Impacts of geomagnetic field changes on cosmogenic nuclide production-rate variability and implications for surface-exposure dating
Margaret Jackson, Gordon Bromley, Pierre-Henri Blard, and Sidney Hemming

9:55-10:05
D3579 | EGU2020-19650
Radiocarbon dating of various pyrogenic carbon pools in series of buried Podzols (case study from the north of European Russia)
Elya Zazovskaya, Dmitry Petrov, Andrey Dolgikh, and Nikita Mergelov

10:05-10:10 D3581 | EGU2020-22193
Old lime kilns buried in Val Chavagl (Swiss National Parc)
Irka Hajdas, Christian Schlüchter, Ruedi Haller, and Kurt Nicolussi

10:10-10:15 Session Summary