### ECORD Summer School 2022 - Sea level, climate variability and coral reefs

**Monday 12th Sep**
- Climate variability from coral reefs
- IODP-style Logging
- Ocean acidification and thermal stress in coral records
  - Juan Pablo D'Olive <br>Downhole Logging <br>Erian le Bar & Marcia Rybly

**Tuesday 13th Sep**
- Revision of previous day's material by the participants
- Coral reef response to sea-level and environmental changes
  - Coral biomineralization, trace element incorporation and seawater chemistry <br>Ed Hathorne
- Virtual ship – IODP: ‘Great Barrier Reef’ virtual core description exercise <br>lars Humblet

**Wednesday 14th Sep**
- Revision of previous day's material by the participants
- Coral reef response to sea-level and environmental changes
  - Radiocarbon dating of coral reefs <br>Yusuke Yokoyama
- Virtual ship: D’Olivo, Rybly, and Sheppard on the Hawaiian drowned reefs expedition (Exp. 369) <br>Jody Webster

**Thursday 15th Sep**
- Revision of previous day's material by the participants
- Sea-level during glacial lowstands and terminations <br>Yusuke Yokoyama
- How to write an IODP proposal continued <br>Rüdiger Stein & Thomas Westerhold

**Friday 16th Sep**
- Revision of previous day's material by the participants
- Sea-level change from coral reefs <br>How to write an IODP proposal <br>Rüdiger Stein & Thomas Westerhold
- Summer School debriefing and farewell and approx. 13:00

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For more detailed information, including sessions on coral reefs in Earth history, virtual ship excursions, and field trips, please refer to the full schedule provided in the document.