



EMBL

Our House is Burning: Scientific and Societal Responses to Mass Extinction - Virtual

21ST EMBL SCIENCE AND SOCIETY CONFERENCE

EMBL Courses and Conferences during the Coronavirus pandemic

With the onsite programme paused, many of our events are now being offered in virtual formats.

Registration is open as usual for many events, with back-up plans in place to move further courses and conferences online as necessary. Registration fees for any events affected by the COVID-19 disruption are fully refundable.

More information for participants of events at EMBL Heidelberg can be found [here](#).

Programme

Registered participants will receive the final information email on 29 October 2020 and the Zoom connection details on 3 November 2020, in the afternoon.

Got something to say? Tweet it! #SciSoc2020

- The virtual conference includes talks by invited speakers with live Q&A sessions after each talk.
- Information on the live stream and access to the discussion platform and panel discussion session will be provided shortly before the start of the event.
- Access to the recorded talks and discussions can be found on [EMBL's Mediasite Catalogue](#).

The following time is used in the programme below:

- Central European Time (CET): eg. Berlin, Amsterdam Paris

To find out the equivalent time zone in your location, enter Berlin, the CET programme time and your city into the [Time Zone Converter](#).

Day 1 - Wednesday 4 November 2020

Time	Speaker
09:00 - 09:15 (CET)	<p>Welcome address and introduction by: Edith Heard - Director General of EMBL Lucia von Bredow - Science and Society Programme Manager, EMBL Heidelberg <i>Recorded stream</i></p>
09:15 - 10:05 (CET)	<p>Keynote lecture: The evidence for mass extinctions Michael Benton - University of Bristol, UK <i>Introduced by Lucia von Bredow</i> <i>Recorded stream</i></p>
10:05 - 10:25 (CET)	<p>Open discussion with Michael Benton <i>Moderated by Lucia von Bredow</i> <i>Recorded stream</i></p>
10:25 - 10:30 (CET)	Transition over to Meet the keynote speaker in individual Zoom breakout room
10:30 - 11:00 (CET)	<p>Meet the keynote speaker with Michael Benton in individual Zoom breakout room <i>Moderated by Lucia von Bredow</i></p>
11:00 - 11:30 (CET)	Break
11:30 - 14:25 (CET)	<p>Virtual Session 1 - The Anthropocene Extinction: Scientific Overview <i>Chaired by Cornelius Gross - EMBL Rome, Italy</i></p>
11:35 - 12:10 (CET)	<p>A sixth mass extinction? The global state - and possible futures - of biodiversity in the Anthropocene Andy Purvis - Natural History Museum, UK <i>Recorded stream (pre-recorded talk)</i></p>
12:10 - 12:45 (CET)	<p>The twin crises of climate change and biodiversity loss Katja Tielbörger - University of Tübingen, Germany <i>Recorded stream</i></p>
12:45 - 13:20 (CET)	<p>Insect loss in the Anthropocene Hans de Kroon - Radboud University, The Netherlands <i>Recorded stream</i></p>
13:20 - 13:50 (CET)	<p>Open discussion with speakers from Virtual Session 1: Andy Purvis, Katja Tielbörger, Hans de Kroon <i>Moderated by Cornelius Gross</i> <i>Recorded stream</i></p>

Time	Speaker
13:50 -13:55 (CET)	Transition over to Meet the speakers from Virtual Session 1 in individual Zoom breakout rooms
13:55 - 14:25 (CET)	Meet the speakers from Virtual Session 1 in individual Zoom breakout rooms with: Andy Purvis, Katja Tielbörger, Hans de Kroon <i>Moderated by Holger Breithaupt, Ivy Kupec and Lucia von Bredow</i>
14:25 - 14:55 (CET)	Break
14:55 - 17:50 (CET)	Virtual Session 2 - The Environmental and Societal Impact of Mass Extinction <i>Chaired by Holger Breithaupt - EMBO Reports, Germany</i>
15:00 - 15:35 (CET)	Microbial diversity: How much is there and where is it headed? Roberto Kolter - Harvard University, USA <i>Recorded stream</i>
15:35 - 16:10 (CET)	The environmental impacts of animal biodiversity loss and restoration Yadvinder Malhi - University of Oxford, UK <i>Recorded stream</i>
16:10 - 16:45 (CET)	Soil biodiversity and human health: An emerging research priority Diana H. Wall - Colorado State University, USA
16:45 - 17:15 (CET)	Open discussion with speakers from Virtual Session 2: Roberto Kolter, Yadvinder Malhi, Diana H. Wall <i>Moderated by Holger Breithaupt</i>
17:15 - 17:20 (CET)	Transition over to Meet the speakers from Virtual Session 2 in individual Zoom breakout rooms
17:20 - 17:50 (CET)	Meet the speakers from Virtual Session 2 in individual Zoom breakout rooms with: Roberto Kolter, Yadvinder Malhi, Diana H. Wall <i>Moderated by Holger Breithaupt, Manuel Carbajo Martinez and Lucia von Bredow</i>
17:50 - 18:05 (CET)	Short break
18:05 - 19:30 (CET)	Virtual speed networking (using Zoom, first-come first-served basis, no pre-registration required) <i>Hosted by Lucia von Bredow</i>
19:30 (CET)	End of day 1 - Continued access to networking and discussion platforms

Day 2 - Thursday 5 November 2020

Time	Speaker
09:00 - 09:50 (CET)	Keynote lecture: Extinction - the elephant's tale Frank Pope - Save the Elephants, Kenya <i>Introduced by Edith Heard</i> Recorded stream
09:50 - 10:10 (CET)	Open discussion with Frank Pope <i>Moderated by Edith Heard</i> Recorded stream
10:10 - 10:15 (CET)	Transition over to Meet the keynote speaker in individual Zoom breakout room
10:15 - 10:45 (CET)	Meet the keynote speaker with Frank Pope in individual Zoom breakout room <i>Moderated by Lucia von Bredow</i>
10:45 - 11:15 (CET)	Break
11:15 - 14:10 (CET)	Virtual Session 3 - Scientific, Societal and Technological Responses to Mass Extinction (part 1): The "Youth Session" <i>Chaired by Sara Formichetti - EMBL Rome, Italy</i>
11:20 - 11:55 (CET)	The Rise Up Movement Vanessa Nakate - Rise Up Movement, Uganda Followed by live Q&A in Zoom, continuing in #meet-the-speakers-day-2 Slack discussion channel Recorded stream
11:55 - 12:30 (CET)	From the micro to the macro - a youth leader's perspective Marlow Baines - Earth Guardians, USA Recorded stream
12:30 - 13:05 (CET)	From local to global, stakes and policy on biodiversity conservation Henri Landes - Sciences Po, France Recorded stream
13:05 - 13:35 (CET)	Open discussion with speakers from Virtual Session 3 (part 1): Marlow Baines, Henri Landes <i>Moderated by Sara Formichetti</i> Recorded stream
13:35 - 13:40 (CET)	Transition over to Meet the speakers from Virtual Session 3 (part 1) in individual Zoom breakout rooms

- Meet the speakers from Virtual Session 3 (part 1) in individual Zoom breakout rooms with:**
13:40 - 14:10 (CET) Marlow Baines, Henri Landes
Moderated by Manuel Carbajo Martinez and Ivy Kupec
- Break**
14:10 - 14:40 (CET)
- Virtual Session 3 - Scientific, Societal and Technological Responses to Mass Extinction (part 2)**
14:40 - 18:10 (CET) *Chaired by Manuel Carbajo Martinez - EMBL-EBI Hinxton, UK and Lucia von Bredow*
- Bioremediation at a global scale: From the Petri dish to planet Earth**
14:45 - 15:20 (CET) Víctor de Lorenzo - National Center of Biotechnology of the Spanish National Research Council, Spain
Recorded stream
- Banking on our future - the Millennium Seed Bank Partnership**
15:20 - 15:55 (CET) Elinor Breman - Royal Botanic Gardens, Kew, UK
Recorded stream (pre-recorded talk)
- The evolution of the sustainably built environment: Driving the market for better buildings**
15:55 - 16:30 (CET) Ted Hyman - ZGF Architects, USA
Recorded stream (pre-recorded talk)
- Protecting the Amazon, the environment and the rights of indigenous peoples**
16:30 - 17:05 (CET) Benki Piyāko - Community leader of Apiwtxa, Brazil
Recorded stream (pre-recorded talk)
- Open discussion with speakers from Virtual Session 3 (part 2):**
17:05 - 17:35 (CET) Víctor de Lorenzo, Elinor Breman, Ted Hyman, Benki Piyāko
Moderated by Manuel Carbajo Martinez and Lucia von Bredow
Recorded stream
- Transition over to Meet the speakers from Virtual Session 3 (part 2) in individual Zoom breakout rooms
17:35 - 17:40 (CET)
- Meet the speakers from Virtual Session 3 (part 2) in individual Zoom breakout rooms with:**
17:40 - 18:10 (CET) Víctor de Lorenzo, Elinor Breman, Ted Hyman, Benki Piyāko
Moderated by Manuel Carbajo Martinez, Ivy Kupec and Brendan Rouse
- Short break**
18:10 - 18:25 (CET)

Virtual Session 4 - Interactive Panel Discussion on “*Living in Harmony with Nature*”

Panel talk by Elizabeth Maruma Mrema - United Nations Environment Programme Convention on Biological Diversity, Canada

18:25 - 19:30
(CET)

Recorded stream

Panel members:

Kiran Patil - EMBL Heidelberg, Germany

Lara Urban - University of Otago, New Zealand

Brendan Rouse - EMBL Heidelberg, Germany (Chair)

Recorded stream

19:30 - 19:40
(CET)

Closing remarks by Lucia von Bredow

Recorded stream

19:40 (CET)

End of conference