



AUSTRIAN  
ACADEMY OF  
SCIENCES

THURSDAY, JUNE 15, 2023  
9:30 AM – 6:00 PM  
THEATERSAAL, OEAW  
SONNENFELSGASSE 19, 1010 VIENNA  
AND ONLINE



KERNER VON MARILAUEN SYMPOSIUM 2023

# SEEDING THE FUTURE

## THE ROLE OF TREE REPRODUCTION IN THE FUTURE OF AUSTRIAN FORESTS

ONLINE ACCESS: <https://www.oeaw.ac.at/veranstaltungen/live>

# PROGRAM

**09:30–10:00** WELCOME COFFEE

**10:00–10:30** **Verena Winiwarter** | Chair, Commission for Interdisciplinary Ecological Studies (KIOES, OeAW), Austria  
*Welcome*

**Georg Gratzer** | University of Natural Resources and Life Sciences (BOKU) & KIOES, Austria

**Mario Pesendorfer** | University of Natural Resources and Life Sciences (BOKU), Austria

*Introduction*

**10:30–11:00** **Tom Wohlgemuth** | Swiss Federal Institute for Forest, Snow and Landscape Research (WSL), Switzerland  
*How to keep current forests fit for the future: lessons of extreme events, surveys, and seedling experiments*

**11:00–11:30** **Stephanie Bethmann** | Forest Research Institute Baden-Wuerttemberg, Germany

**Martina Perzl** | University of Natural Resources and Life Sciences (BOKU), Austria

*“Knowing is not enough”: a dialogue about sociological contributions to applied forest science*

**11:30–12:00** **Katharina Brugger** | Austrian National Public Health Institute, Austria

*How monitoring and forecasting of annual forest processes is useful to public health*

**12:00–13:30** LUNCH

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- 13:30–14:00** **Elizabeth Crone** | Tufts University, Medford, USA  
*Masting in forest trees and beyond: how much is predictable and why?*
- 14:00–14:30** **Akiko Satake** | Kyushu University, Fukuoka, Japan  
*Molecular phenology governing flowering and fruiting dynamics*
- 14:30–15:00** COFFEE BREAK
- 15:00–15:30** **Heino Konrad** | Austrian Research and Training Centre for Forests (BFW), Austria  
*The status quo and future of forest seed supply in Austria*
- 15:30–16:00** **Dave Kelly** | University of Canterbury, Christchurch, New Zealand  
*Forecasting of masting depends on the underlying mechanisms*
- 16:00–17:30** WINE & BREAD

Forests are increasingly under pressure. More frequent disturbances due to climate change, such as wildfires and windthrows, but also impacts from invasive pests and extensive use are affecting the health of forest communities. Seed production of tree species plays an important role in the adaptation of natural and commercial forests to the new reality, as it drives both the spatial and temporal spread of natural regeneration, but also influences afforestation using seedlings from tree nurseries. In the temperate zone, seed production of common tree species tends to be highly variable between years and synchronized spatially, a phenomenon termed masting. The aim of this symposium is to bring the current state of research on masting to a broad professional and lay audience and to discuss how monitoring of seed production in European forests can be improved, to what extent forecasts can be developed based on historical relationships with weather and other factors, and how such data and forecasts can benefit forestry, conservation, and public health.

## **PARTICIPATION**

Hybrid (on site and online)

## **ONLINE ACCESS**

<https://www.oeaw.ac.at/veranstaltungen/live> (stream window will appear on the day of the event)

## **ORGANIZATION**

Commission for Interdisciplinary Ecological Studies (KIOES)  
Austrian Academy of Sciences (OeAW)

## **CONTACT**

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## **INFORMATION AND REGISTRATION**

Further information and registration: <https://www.oeaw.ac.at/kioes/aktivitaeten/detail/seeding-the-future>  
Cover image: @ Jonas Frei (<http://foifacht.ch/>)

mobile registration



Please note that photographs will be taken throughout the event. These will be used by the organizing institution in publications, online and in social media. Please contact the event organizer if you have any concerns or if you wish to be exempted from this activity.