

Third circular and workshop program

SENCKENBERG
world of biodiversity



Erika und
Walter Datz-
Stiftung

Joint meetings

Datz-Symposium

From functional traits to models – An interdisciplinary perspective on structure, functioning and evolution of ecosystems in deep-time

May 17-19, 2022; Dresden (Germany).

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30th International Workshop on Plant Taphonomy

May 19-21, 2022; Dresden (Germany).

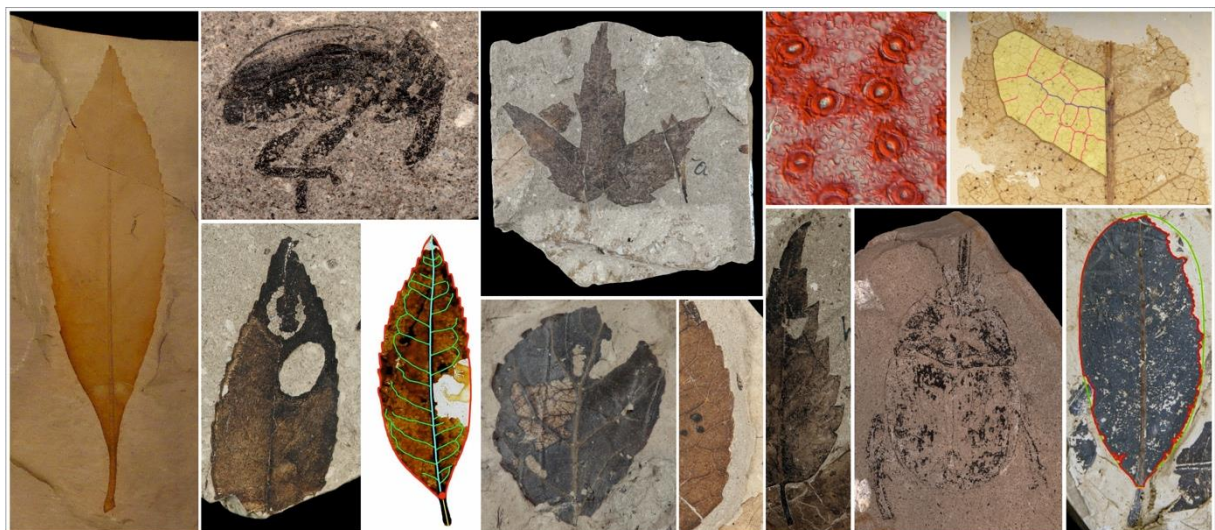
Funded by Erika and Walther Datz Foundation

Dear colleagues,

We sincerely thank you for your registration and proposal of a broad variety of talks that enabled us to prepare a varied program for the workshops. The final workshop program can be found below. We are happy to announce that the workshops can be held as physical meetings due to current Covid-19 regulations in Dresden and the *Freistaat* Saxony. Hereby we provide all important information for the course of the workshops as well as practical details for your stay in Dresden.

We are looking forward to interesting talks and inspiring discussions on plant-insect interaction, plant functional traits, vegetation modelling and plant taphonomy.

Welcome to Dresden!



<https://www.senckenberg.de/de/workshops/>

WORKSHOP INFORMATION

Workshop fee

We charge no workshop fees. Costs for icebreaker, coffee/tea/lunch breaks and the guided tour in the Forest Botanical Garden are covered by the grant from the Erika and Walther Datz Foundation.

Logistics for scientific presentations

Slots for general scientific presentations (talks) will be 20 minutes (17 minutes for presentation and 3 minutes for questions/discussion); for keynotes 50 minutes (40 minutes presentation and 10 minutes for questions/discussion). Please use 4:3 format for your presentations and save them either as PowerPoint file (.pptx) or as PDF file. The file name should be the surname of the presenter. The presentations can be directly uploaded to a laptop in the lecture room (latest in the break before your presentation starts). If you give your presentation in the morning sessions on May 18 please upload your presentation during the icebreaker at the registration desk the day before or arrive 20 minutes earlier in the morning to timely upload and check your presentation.

WiFi access

WiFi access (Eduroam; Science; local Senckenberg network) is available in the lecture room and in most parts of the building's public space.

Social events

Icebreaker (May 17, 5 pm to 10 pm) with ***Collection and lab visits***

All participants are invited to join the informal icebreaker including drinks and snacks. The icebreaker will take place in the institutional building of Senckenberg Dresden (for location see general travelling information below). During the icebreaker we offer a 1-hour guided tour in the institute building including visits to the palaeobotanical collection and the geochronology lab.

Joint meeting dinner (May 19, 6 pm to 10 pm)

The joint meeting dinner will be held in the traditional restaurant Luisenhof in a northeastern district of Dresden situated on the slopes of the Elbe river valley (Bergbahnstraße 8, 01324 Dresden). The restaurant offers a wide range of German and international food and drinks (for the menu please visit <https://www.luisenhof-in-dresden.de/>), as well as a beautiful view on the city and surrounding landscapes.

Please note that the joint meeting dinner is on your own expense!

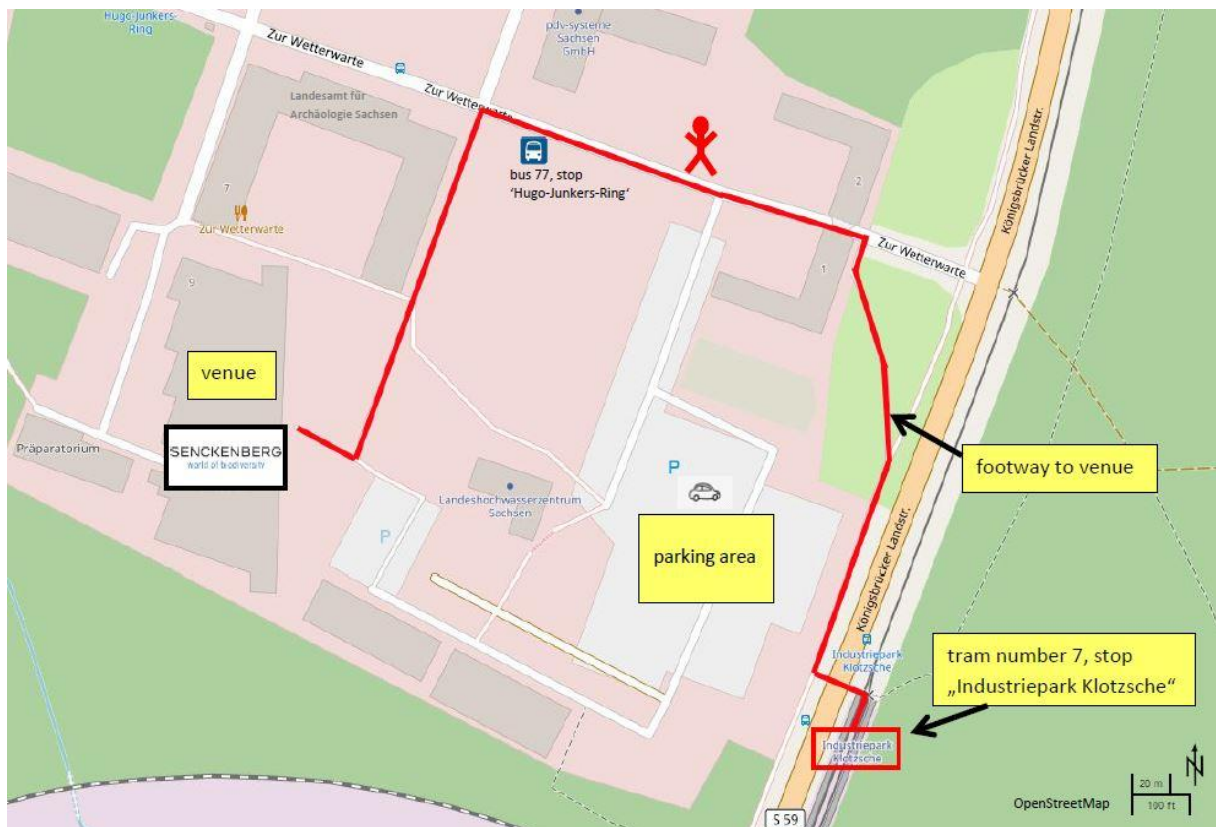
Workshop Exkursion (May 21, 8:30 to ca. 4 pm)

The excursion offers the opportunity to visit one of the oldest scientific arboreta of the world, the *Tharandt Forest Botanical Garden* of the Technical University Dresden founded in 1811 by Heinrich Cotta. Going for a nice 4-hours-walk, we will see plenty of living relatives of the ancient warmer-world European vegetation, whose traits and insect damages we can rarely observe. Currently, the collection encompasses about 3.200 species of trees, shrubs and herbs and it is among the largest collections of woody plants in Europe.

Starting/return point is Dresden main station. We go by local train (S-Bahn) to the city of Tharandt that is about 16 km away from Dresden's city centre. Train tickets (one-way 4.50 €) and provisions (please bring your own food and beverages) will be at your own expenses! Detailed time table information of the trains will be given during the workshop.

GENERAL INFORMATION

Venue: Institute building of the Senckenberg Natural History Collections Dresden, Königsbrücker Landstraße 159 (for visitors: Zur Wetterwarte 9), 01109 Dresden.



Travel and public Transport

Public transport in Dresden is organized by the Dresdner Verkehrsbetriebe (DVB). You can find all information on the following website <https://www.dvb.de/en-gb/>.

We recommend to buy a one-week pass (22.90 €) or one-day pass (6.90 €) for fare zone of Dresden instead of single tickets (2.70 €) depending on the time you stay. Tickets are valid for all forms of public transport including ferries but except for cable cars. Tickets can be bought at DVB service points (e.g., Dresden main station, Pirnaischer Platz), or you use yellow ticket machines at larger stops (cash or cards) and ticket machines on trams and busses (cash cards only). The DVB mobile app may be helpful to easily find connections <https://www.dvb.de/de-de/die-dvb/dvb-apps/dvb-mobil>.

Please note that you have to wear a FFP2 mask in public transport!

Arrival by plain: For the venue take bus number 77 direction „Marsdorf“ – get off at the stop „Hugo-Junkers-Ring“ - walk way to the venue is shown in the map above. For city center take the local train (“S-Bahn”) S2 at the airport (<https://www.mdf-ag.com/en/passengers-and-visitors/dresden-airport/arriving-and-departing/train-and-bus/>).

Arrival by train: From Dresden main station take tram number 7 (further details see arrival by tram below). Alternatively, take directly a local train to the station „Dresden-Klotzsche“ – walk from here to the tram stop „Neue Brücke“ on the Königsbrücker Landstraße – take tram number 7 direction „Weixdorf“ – get off at the stop „Industriepark Klotzsche“ – walk way to the venue is shown in the map above.

Arrival by tram: From the city center take tram number 7 direction „Weixdorf“, it will take approximately 30 minutes from the city center to the venue – get off at the stop „Industriepark Klotzsche“ (not Industriegelände!) - walk way to the venue is shown in the map above.

Arrival by car: From the highways A4 or A13 take the exit „Flughafen Dresden/airport“ for B97/Hermann-Reichelt-Straße toward airport – the airport is on your left, continue straight – at the next T junction turn left onto Königsbrücker Landstraße – shortly after turn left onto Zur Wetterwarte and go through the eye-catching building with the two archways – right behind turn left to the parking area of the Senckenberg Natural History Collections Dresden (see map). If you use a navigation device please enter destination “Zur Wetterwarte 9” instead of “Königsbrücker Landstr. 159” and follow instructions until reaching the archway house.

Pandemic regulations (Covid-19): According to most recent regulations and safety guidelines of the *Freistaat* (state) Saxony and the city of Dresden no specific restrictions for meetings exist. Only in means of public transport the wearing of FFP2 masks is mandatory (no simple medical masks!). In institutional buildings the host is responsible for individual safety guidelines. Senckenberg currently requires the wearing of FFP2 masks only in the public space of the building. If regulations will be generally adapted due to a new pandemic situation we will inform you timely before the event. For specific entry regulations for Germany from other countries please visit the homepage of the German Federal Foreign Office at <https://www.auswaertiges-amt.de/en/coronavirus/2317268>.

Date	Time	Program	Presenter	Topic
17.05	17:00 - 22:00	Icebreaker		
	17:00 - 18:00	Registration desk open (opportunity to upload presentations)		
	18:00 - 19:00	Institute and collection visit		
18.05	08:00 - 16:30	Datz-Symposium "From functional traits to models"		
	08:00 - 08:45	Registration desk open (opportunity to upload presentations)		
	08:45 - 09:00	Welcome talk		
	09:00 - 14:40	Spotlights on plant-insect interaction		
	09:00 - 09:50	Keynote	Conrad C. Labandeira	The fossil record of insect herbivory patterns as key toward understanding the evolution of plant–insect interactions and food-web structure in paleoecosystems
	09:50 - 10:10	Talk	Michael Laaß	New insights into oviposition behaviour of Paleozoic insects
	10:10 - 10:30	Talk	Artai A. Santos	Reviewing fossil plant-insect interactions from Spain: state of the art and new evidences
	10:30 - 10:50	Coffeebreak		
	10:50 - 11:10	Talk	Carole Gee	An Upper Jurassic food web, from primary producer to megaherbivore to secondary consumers, scavengers, and detritivores
	11:10 - 11:30	Talk	Weiyudong Deng	Evolutional history of the plant-insect interactions onto the Tibetan Plateau
	11:30 - 11:50	Talk	Benjamin Adroit	There is no simple way to explain trophic structure in terrestrial palaeoecosystems using plant-insect interactions.
	11:50 - 12:10	Talk	Jörg Albrecht	Cenozoic fossil record reveals drivers of tropical herbivore diversity.
	12:10 - 13:10	Lunchbreak		
	13:10 - 14:00	Keynote	Alexander Blanke	Evolutionary biomechanics of biting-chewing insects
	14:00 - 14:20	Talk	Sonja Wedmann	The last meal of an Eocene pollen-feeding fly
	14:20 - 14:40	Discussion	Torsten Wappler	Spotlights on plant-insect interaction
	14:40 - 15:00	Coffeebreak		

Date	Time	Program	Presenter	Topic
18.05	15:00 - 16:30	Spotlights on vegetation modelling		
	15:00 - 15:50	Keynote	Philipp Porada	Insights from trait-based eco-evolutionary modelling of early vegetation
	15:50 - 16:10	Talk	Aowei Xie	Is bigger better? New height estimates of araucariaceaeous trees in the Upper Jurassic Morrison Formation of Utah, USA, based on new height–diameter growth models of living <i>Araucaria</i> species
	16:10 - 16:30	Discussion	open discussion	
19.05	08:30 - 13:00	Spotlights on functional leaf traits		
	08:30 - 09:00	Registration desk open (opportunity to upload presentations)		
	09:00 - 09:50	Keynote	Anita Roth-Nebelsick	Leaves and their functional traits: Some current views and basic discussions
	09:50 - 10:10	Talk	Mahdieh Malekhosseini	Traces of the calcium biominerals calcium oxalate and calcium carbonate in fossil leaves from the Carboniferous to the Neogene
	10:10 - 10:30	Talk	Matthew Butrim	What can leaf mass per area distributions tell us about fossil plant communities?
	10:30 - 10:50	Coffeebreak		
	10:50 - 11:10	Talk	Lutz Kunzmann	Application of Trait Combination Type approach to fragmented fossil leaf assemblages
	11:10 - 11:30	Talk	Christian Müller	Towards an Integrated Leaf Trait Analysis: an example from the Paleogene
	11:30 - 12:00	Discussion	Agathe Toumoulin Christian Müller	Final discussion and closing Datz-Symposium
	12:00 - 13:00	Group photo and Lunchbreak		
	12:00 - 16:05	30th International Workshop on Plant Taphonomy		
	12:00 - 13:00	Registration desk open (opportunity to upload presentations)		
	13:00 - 13:15	Welcome talk		
	13:15 - 14:05	Keynote	Eva-Maria Sadowski	On the taphonomy and preservation of seed plant inclusions in amber
	14:05 - 14:25	Talk	Simon Beurel	Breathing new life into plant amber inclusions using X-ray imaging
	14:25 - 14:45	Talk	Klaus Wolkenstein	UV-light induced fluorescence of coloured leaves from the Pliocene of Willershausen, Germany

Date	Time	Program	Presenter	Topic
19.05	14:45 - 15:05	<i>Coffeebreak</i>		
	15:05 - 15:25	Talk	Claire Cleveland	PBot, the Integrative Paleobotany Portal: Breaking barriers to answer big questions in paleobotanical research
	15:25 - 15:45	Talk	Ronny Rössler	Wood shrinkage during fossilisation – an underestimated phenomenon
	15:45 - 16:05	Talk	Steffen Trümper	Forest flooding as taphonomic trap to preserve plant-microbe interactions 3D? A Permian case study
	18:00 - 22:00	<i>Joint Meeting Dinner</i>		
20.05	08:30 - 09:00	Registration desk open (opportunity to upload presentations)		
	09:00 - 09:20	Talk	Hendrik Nowak	Variability of <i>in situ</i> fern spores from the European Triassic
	09:20 - 09:40	Talk	Josefine Weiss	What about diatoms? An open discussion on the possible role of freshwater algae on leaf fossilization
	09:40 - 10:00	Talk	Torsten Wappler	Pollen-feeding in a late Oligocene giant pelobatid tadpole from Lake Enspel (Westerwald Mountains, Germany)
	10:00 - 10:20	Talk	Camille Henriët	Plant taphonomy of the Upper Cretaceous of Les Gavarres (Suterranya, Catalonia, Spain)
	10:20 - 10:40	<i>Coffeebreak</i>		
	10:40 - 11:00	Talk	Carole Gee	The case of the missing water lily leaves—Fact or fiction?
	11:00 - 11:20	Talk	Mariah Howell	Let's talk about it openly: Pitfalls and possible solutions to the successful preparation of cuticles from the Miocene Lower Rhine Embayment
	11:20 - 11:40	Collection visit	Lutz Kunzmann	Palaeobotanical collections - a "treasury" for taphonomical research (Paleogene collection)
	11:40 - 12:00	Discussion	Carole Gee Lutz Kunzmann	Final discussion and workshop business
	12:00 - 13:00	<i>Lunchbreak</i>		
	14:00 - 16:00	Visit Botanical Garden of Technical University Dresden		
21.05	08:30 - 16:00	Workshop excursion Tharandt Forest Botanical Garden		

We look forward to the gathering of palaeo-botanical, palaeo-entomological, palaeo-modelling and plant taphonomy communities in Dresden!

THE ORGANIZING TEAMS

Datz-Symposium

Christian Müller (Senckenberg Dresden, Germany, Palaeobotany Group)

Agathe Toumoulin (University Rouen, France)

Dimitra Mantzouka (Athens, Greece, formerly Senckenberg Dresden)

International Workshop on Plant Taphonomy

Lutz Kunzmann and the palaeobotanical working group at Senckenberg Dresden: Denise Hennig, Carola Kunzmann, Christian Müller

