

BioGeoPhylo Workshop first circular

Overview

Please mark your calendars for the 1st BioGeoPhylo workshop, **March 26-28 2025**, focusing on the links between climate, tectonics, and the evolution of species in deep time.

The workshop will bring together a small set (40) of biologists, geologists, and paleontologists working at the interface of Earth and Life Sciences. The goal of this first edition is to identify where to go next to model/predict the **impact of climate and paleogeography on extinction, diversification, and dispersal events**, and to incorporate these controls in the **calculation of phylogenies**. To narrow the focus of this year's edition, we will favor talks addressing the terrestrial realm (i.e. terrestrial species and continental climate and ecosystems).

The workshop starts on Wednesday, March 26 in the evening (icebreaker) and ends on Friday, March 28 in the evening. The workshop will be held at [Luma Arles](#), in [Arles](#), southern France, a wide a new artistic complex dedicated to contemporary art, designed by Maja Hoffman and Frank Gehry. The workshop will include time for wandering in the art collections and an organized visit.



The Roman and Medieval downtown of Arles. Credits: By Chensiyuan, CC BY-SA 4.0

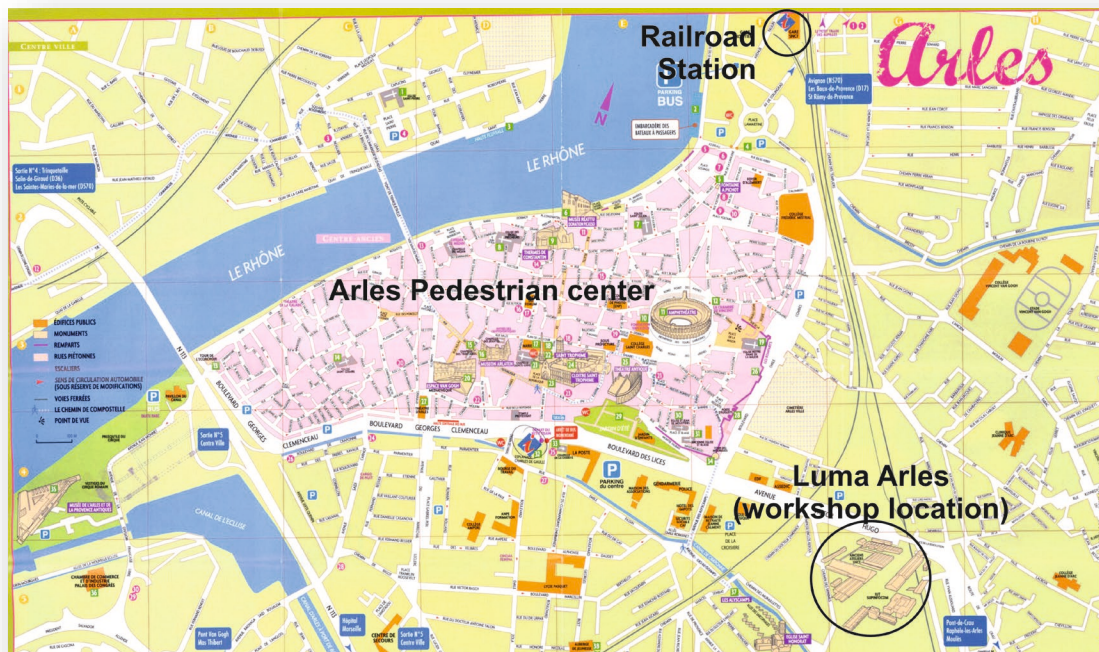


How to come to Arles

Arles is 40 minutes by train from **Marseille (Marignane) International Airport**. The train station is 5 minutes away by shuttle from the airport. Trains run every hour.

Arles is 1h30 by train from **Lyon (Saint Exupery) International Airport**, but trains are less frequent (2/day). Arles is connected by direct trains from Paris, Lyon, Marseille, and Montpellier.

Arles downtown is small and every location can be reach by foot. The railway station is walking distance from the workshop location and most hotels (see next map).

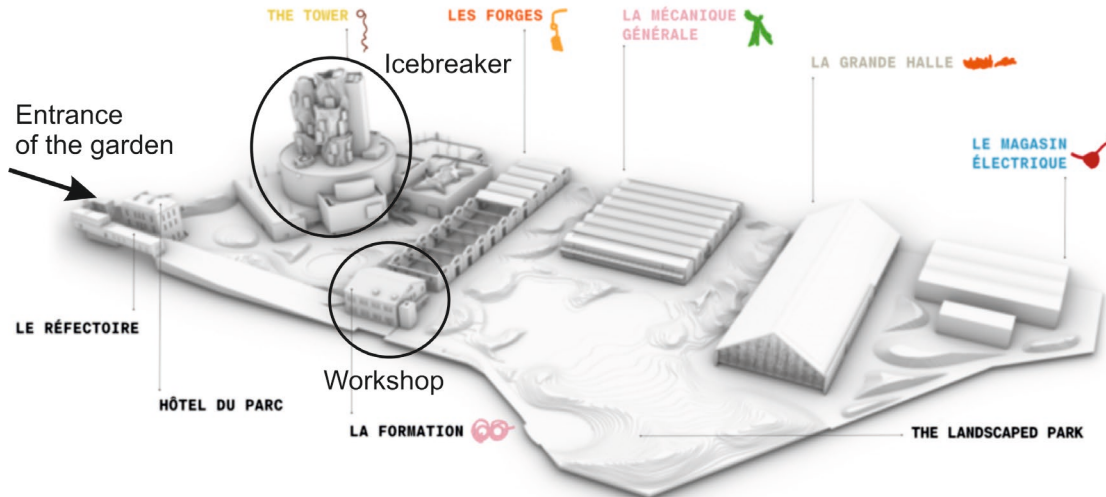


Location of the workshop

[Luma Arles](#) is 2 minutes by foot from the pedestrian center of [Arles](#). The workshop will take place in the Formation building (see next map; access through the garden). The Icebreaker will take place at the Drum Café, on the street floor of the Luma Tower (access via the main street).



The Parc des Ateliers The Buildings



Housing opportunities

We highly recommend to book a room in downtown Arles, to enjoy the beautiful pedestrian streets of the city. There are multiple options. We particularly recommend **Le Cloître** (<https://www.lecloitre.com/en>) which is close to the location of the workshop. **The Hotel de l'amphithéâtre** (<https://www.hotelamphitheatre.fr/en/>) is also a good option.

Reimbursements

Lunch and dinner meals are fully covered by the event.

If you requested a total or partial cover of your housing and transport expenses, **make sure you make your booking via Alexis Licht** (licht@cerege.fr), and this **before February 15th** (The French CNRS requires to go through its own booking platform if you want to be reimbursed).

Talks & posters

The workshop is divided in three broad sessions divided in successive mini-slots including one to three talks followed by a Q&A and discussion time. **Talk duration is flexible but cannot outlast 25 minutes**. We invite speakers to avoid jargon and topics that are too technical (i.e. of limited interested beyond their discipline). We encourage speakers to present syntheses and broad state-



of-the-art talks about their discipline and their contribution to it.

Poster presentations are also welcome and can include more technical topics. Do not hesitate to bring one of your old posters to highlight your recent work. The second evening event will occur around the posters.

Note that the workshop is **in-person only**. We do not plan to offer a hybrid presentation mode.

Preliminary Schedule

March 26th

6pm: ice-breaker at the Drum Café and dinner in town.

March 27th

9am-10:30pm: welcome talk and session 1.

10:30-10:45pm: coffee break.

10:45am-12:30pm: session 1.

12:30-1:30pm: lunch break.

1:30-3pm: session 1.

3-4:30pm: break / visit of the collections.

4:30-6:30pm: Session 2.

6:30-8pm: drinks and posters.

8pm: dinner at the Arlatan Restaurant.

March 28th

9am-10:30pm: session 2.

10:30-10:45pm: coffee break.

10:45am-12:30pm: session 3.

12:30-1:30pm: lunch break.

1:30-3:30pm: session 3.

3:30-3:45pm: coffee break.

3:45-5:30pm: Discussion on future directions, brainstorming on a common research project and funding opportunities.

Sessions

The list of the three sessions is presented below, with the expected speakers. This list is preliminary and might evolve depending on the attendees.



Session 1: From the field to the lab: geological and paleontological constraints on species distribution

Lydian BOSCHMAN (Department of Earth Sciences, Utrecht University)
Ben SHIPLEY (Oxford University)
Alexis LICHT (CEREGE, Aix-Marseille University)
Sean WILLETT (ETH Zurich)
K. Christopher BEARD (Kansas University)
Carina HOORN (IBED, University of Amsterdam)
Corentin GIBERT (Georgia Tech)

Session 2: Recent developments in the reconstruction of phylogenies, extinction and diversification rates

Christine BACON (University of Gothenburg)
Ignacio QUINTERO (Ecole Normale Supérieure, Paris)
Andrea SANCHEZ-MESEGUER (Real Jardín Botánico de Madrid)
Fabien CONDAMINE (ISEM, Montpellier University)
Isabel SANMARTIN (Real Jardín Botánico de Madrid)
Thomas COUVREUR (DIADE, IRD)

Session 3: From the deep Earth to the atmosphere: modeling external controls on the biosphere

Hélène MORLON (Ecole Normale Supérieure, Paris)
Pierre SEPULCHRE (LSCE, Orsay)
Laurent HUSSON (ISTERRE, Grenoble University)
Ben MILLS (University of Leeds)
Pietro STERNAI (University of Milano)
Taras GERYA (ETH Zurich)

Organizing Committee and funding

The workshop is organized by Alexis Licht ([CEREGE, Aix-Marseille University](#)) with the administrative support of Sylvie de Freitas (CEREGE), the scientific advice of Fabien Condamine ([ISEM, Montpellier University](#)) and Thomas Couvreur ([DIADE, IRD](#)).

The workshop is supported by the **ERC CoG DISPERSAL** (Grant number 101043268) focusing on understanding and modeling past dispersal events, and is co-organized by **COST Action CA23150 – pan-EUROpean BioGeodynamics network** (EUROBIG) and sponsored by **International Lithosphere Program** Task Force Biogeodynamics of the Lithosphere. It also benefits from the support of the [CEREGE institute](#) (UMR7330) of Aix-Marseille University. It is hosted by [Luma Arles](#).

