

19th International Symposium on Ostracoda “Back to life”

THIRD CIRCULAR



Université Claude Bernard





Dear Colleagues,

The newly re-funded *FROG* (FRench Ostracodologists' Group) and the International Research Group on Ostracoda are pleased to invite you to attend the 19th International Symposium on Ostracoda that will be held in Lyon at the University Claude Bernard Lyon 1 from July 18th-25th 2022.

The pandemic situation in France is much better than it was earlier this spring, however, for the safety of everyone, we will organise the conference with strict social distancing protocols in a bigger amphitheatre than previously planned.

We also know that, because of this particular situation, many colleagues will not be able to attend the meeting in person. For this reason, and thanks to SF*IRGO funding, the conference will be fully streamed online for free to virtual participants who cannot travel to Lyon (the link will be communicated on Ostracon one week before the conference).

See you all in Lyon!

Organizing Committee:

Vincent Perrier (University Lyon 1)
Marie-Béatrice Forel (MNHN Paris)
Sylvie Crasquin (CNRS Paris)
Cellule Congrès of University Lyon 1

Scientific Committee:

Ian Boomer (UK), Simone Nunes Brandão (Brazil), Dan L. Danielopol (Austria), Peter Frenzel (Germany), Martin Gross (Austria), David J. Horne (UK), Okan Kulköylüoglu (Turkey), Alan Lord (Germany), Koen Martens (Belgium), Renate Matzke-Karasz (Germany), Ilaria Mazzini (Italy), Steffen Mischke (Iceland), Tadeusz Namiotko (Poland), Tõnu Meidla (Estonia), Todd Oakley (USA), Julio Rodriguez-Lazaro (Spain), Benjamin Sames (Austria), Isa Schön (Belgium), David J. Siveter (UK), Robin Smith (Japan), Anna Stepanova (USA), Akira Tsukagoshi (Japan), Moriaki Yasuhara (Hong Kong, China).

IRGO Officers 2017-2022:

Chair: Moriaki Yasuhara
Vice-Chair: Vincent Perrier
Past Chair: Finn Viehberg
Secretary: Ilaria Mazzini
Communication Officer: Robin J. Smith
Treasurer: Renate Matzke-Karasz



SYMPOSIUM

The Symposium will consist of oral & poster sessions and workshops.

ORAL PRESENTATIONS

Oral communications will be allocated **12 min for presentation + 3 min for questions**. Due to the tight schedule, speakers are requested to strictly respect the allowed time.

For the morning sessions, speakers are requested to upload their presentations (.pptx or .pdf) in the late afternoon of the day before. For the afternoon sessions, presentations will be uploaded during lunch time of the same day. For the morning session of the first day, speakers are requested to upload their presentations before the Opening Ceremony of the Symposium (*i.e.* before 8.30). Please note that the use of your personal laptop is not allowed.

Virtual participants. The participants who are unable to attend the meeting in person, and whom abstracts have been accepted for talks, **will have to record a 12 minutes' video (.mp4 or .mpg) of their presentation and send them to the following address (vincent.perrier@univ-lyon1.fr) at least one week before the conference.** Oral sessions during the meeting will therefore be a mix of predominantly live, in-person presentations and some pre-recorded presentations, presented to both the in-person and virtual audience.

POSTER PRESENTATIONS

All the participants whom abstracts have been accepted for posters, will have to send an electronic version of their poster (.pdf, not more than 50Mo) and send them to the following address (vincent.perrier@univ-lyon1.fr) at least one week before the conference. Therefore, all the posters submitted at the conference (both from in person and virtual attendees) will be accessible on a dedicated webpage to all the participants on their personal computers. **In-person participants are indeed requested to also bring a printed version of their posters to be displayed on site at the conference.** Poster size should not exceed **180 cm (height) x 100 cm (width)** and will be displayed portrait orientation.

Posters, on site, will be on display from the first morning to the last day of the conference, with a dedicated session in parallel of the workshops during the morning of Friday 22nd. The authors are requested to mount their poster on the board labelled with the assigned abstract number reported on the program. During the poster session and coffee breaks, the authors are requested to be available at their display board to discuss their work with interested persons.

WORKSHOPS

Two different workshops, open to everyone, are organized on the morning of Friday 22nd, see details in the program below.

SYMPOSIUM PROGRAM

Monday July 18th (Amphithéâtre Depéret, Bâtiment Charles Darwin 69100 Villeurbanne)

8.00-20.30 ISO19 Registration

8.45-9.15 Opening Ceremony

Eric Debayle (Head of the Geology Department)

Moriaki Yashuara (Chair of IRGO)

Vincent Perrier (Vice chair of IRGO)

Session 1. Origin and evolution of ostracods: Crustacean and ostracod evolution, origin and taxonomy of fossil ostracods.

9.15-9.30 D.A. Do Carmo*, L.R. de Oliveira Gonçalves, M.J. Salas, R.R. Adôrno, T. Meidla, M. Denezine, L.C. da Silva Rodrigues, M.L. Assine and L.S. Antonietto - *Hirnantian Ostracoda in South America: implications for the biochronostratigraphy and palaeozoogeography of the Paraná basin, Goiás State, Central Brazil.*

9.30-9.45 S. Rinkevičiūtė*, A. Spiridonov, T. Meidla - *Ultra-high resolution ostracod data as a tool for a deeper understanding of the Mulde/lundgreni event (lower Silurian).* **Junior Participant**

9.45-10.00 D.J. Siveter, V. Perrier* & M. Williams - *Silurian myodocopes display adaptations for a nektobenthic lifestyle: the paleobiological evidence.*

10.00-10.30 Coffee and tea break

10.30-10.45 V. Perrier *, G. Perrichon, F. Nesme, S. Lorenzo, J.C. Gutiérrez-Marco - *Ecological diversification of early planktonic ostracods in the upper Silurian.*

10.45-11.00 E. Guillam*, S. Crasquin, M.-B. Forel - *The impact of the Late Devonian Hangenberg anoxic event on ostracod faunas.* **Junior Participant**

11.00-11.15 C. Dupichaud*, J. Adrien, V. Perrier - *Coprolites and ostracod associations in the Montceau-les-Mines Lagerstätte (Carboniferous, France).* **Junior Participant**

11.15-11.30 R. Matzke-Karasz*, M.-B. Forel, R.J. Smith - *The rediscovery of Palaeocypris edwardsii Brongniart, 1876, or how collection digitization can have an unexpected benefit.*

11.30-11.45 A. Chitnarin*, M.-B. Forel, P. Tepnarong - *Permian ostracods from limestones associated with a coal deposit, Tak Fa Formation (Guadalupian), central Thailand.*

11.45-12.00 A. Tuncer*, C. Tunoğlu, B.A. Gümüş - *First discovery of ostracod and mollusk fauna of the Aşağıçiğil Formation (Ilgın Basin, SW Anatolia): New insights for the Middle-Late Miocene paleoenvironmental evolution and biochronology of the Ilgın Basin.* **Junior Participant**

12.00-14.00 Lunch

14.00-14.15 M.-B. Forel*, C. Trescastro Bergue, M. da Saudade Araújo Santos Maranhao - *The Permian and Triassic record of drilling predation on ostracods.*

14.15-14.30 C. Magalhães de Almeida, D.A. Do Carmo*, M.-B. Forel - *Ostracoda (Crustacea) from the Corumbataí Formation of the Paraná Basin, State of Goiás, Central Brazil.*

14.30-14.45 E.M. Tesakova, M. Franz* - *Geological history of the genus Plumhoffia Brand, 1990 (Ostracoda).*

14.45-15.00 M.S. Karpuk*, E.M. Tesakova - *Eucytherura Müller, 1894 of Jurassic and Cretaceous: state of art.*

15.00-15.15 B.-D. Choi*, Y. Wang - *Biostratigraphy and palaeoecology of a non-marine ostracod fauna from the Lower Cretaceous Shinekhudag Formation, SW Mongolia.*

15.15-15.30 Z. Qin, D. Xi*, B. Sames, X. Wan - *Taxonomy, biostratigraphy and palaeoecology of Early Cretaceous non-marine ostracods in Luanping Basin, North China.*

15.30-16.00 Coffee and tea break

16.00-16.15 Y. Wang*, Y. Zhong - *A non-marine ostracod fauna from the Yingzuilazi Formation (Baishan Basin, NE China) and its biostratigraphic implications.*



- 16.15-16.30 J. Liu, Y. Ye, D. Xi*, D.A. Do Carmo, L. Sun, Z. Qin, X. Wan - *Ostracods biostratigraphy and stable isotope of the Upper Cretaceous Nenjiang and Sifangtai Formations in southern Songliao Basin (China)*. **Junior Participant**
- 16.30-16.45 K. Trabelsi*, B. Sames - *Spatio-temporal distribution of the Cythereis-species in the Mid-Cretaceous Orbata platform of the Central Tunisian Atlas*.
- 16.45-17.00 S.R. Gobbo*, R.J. Bertini - *Campanian–Maastrichtian non-marine ostracod biogeography in Gondwanan context and their chronological significance*.
- 17.00-17.15 G. Hunt*, M.J. Fernandes Martins, T.M. Puckett - *A test of the correspondence between paleontological and biological species in Late Cretaceous ostracods*.
- 17.15-17.30 S.R. Gobbo*, R.J. Bertini - *An assessment of the taxonomic validity of “Metacypris cf. polita” from Paraná Basin, and their chronostratigraphic implications*.
- 17.30-17.45 D. Xi*, B. Sames, H. Qu, S. Li, Z. Shi, X. Meng, Y. Ning, Z. Qin, X. Wan - *Late Cretaceous ostracod biostratigraphy from the scientific drilling SK1 and SK3 in the Songliao Basin, NE China*.
- 17.45-18.00 M. Keen - *Echinocythereis during the Ypresian (Early Eocene) of western Europe*.

18.00-20.30 Icebreaker

Tuesday July 19th (Amphithéâtre Depéret, Bâtiment Charles Darwin 69100 Villeurbanne)

- 8.30-8.45 A. Javadova - *Microfauna of the Miocene Deposits in South Caspian Basin*.
- 8.45-9.00 M. Marinšek*, V. Hajek-Tadesse, T. Kolar-Jurkovšek, L. Gale - *Late Miocene Ostracods from South-Eastern Slovenia*. **Junior Participant**
- 9.00-9.15 A.P. McDonald*, M.T. Warne - *Latest Miocene Ostracoda from the Bookpurnong Formation, Murray Basin, southeastern Australia: shallow marine migrants into an epicontinental sea*. **Junior Participant**
- 9.15-9.30 I. Boomer*, E.M. Hanson, D. Ridha, K.M. Edgar - *Deep-sea Ostracoda and Foraminifera from the Miocene of ODP Site 752A, south-eastern Indian Ocean*.
- 9.30-9.45 K. Aye*, M. Yasuhara, A. O’Dea, H.-H.M. Huang - *The Neogene history of the Caribbean Extinction Event and its impact on ostracod fauna*. **Junior Participant**

Session 2. Pleistocene non-marine Ostracoda.

- 9.45-10.00 A.H. Moghazi*, H. Zhao, C. Zhang, E.Á. Eypórsdóttir, S. Mischke - *Correlation of early Pleistocene sediment sections in the Nihewan Basin, China, using ostracod assemblage data and sedimentology*. **Junior Participant**

10.00-10.30 Coffee and tea break

- 10.30-10.45 M. Czajkowska* - *Using ostracods to track down the intra-interglacial cooling: case study from eastern Poland*. **Junior Participant**
- 10.45-11.00 L. Rausch*, D. Bistac, M. Stoica - *New age constraints on the Transcaucasian basin: high resolution ostracod analysis of the Guria region*.
- 11.00-11.15 P. Papadopoulou*, M. Tsoni, G.E. Konidaris, V. Turloukis, A. Junginger, E. Panagopoulou, P. Karkanis, K. Harvati, G. Iliopoulos - *Ostracod analysis of Marathousa 1 and Kyparissia 4 sites of Megalopolis Basin (Southern Greece): refugia or not?* **Junior Participant**
- 11.15-11.30 D.J. Horne*, D.L. Danielopol, J.A. Holmes, A. March, K. Martens, T. Namiotko, I. Schön, A.J. Smith - *Niche stability or lability in Cytherissa lacustris? A test case for ecological uniformitarianism in Ostracoda*.

Session 3. Ostracod biogeography and biodiversity: Studies on the geographical and temporal distribution of fossil and Recent ostracods

- 11.30-11.45 V. Hajek-Tadesse*, N. Ilijanić, M. Slobodan, D. Brunović, O. Hasan, I. Razum, M. Šparica Miko - *Late Glacial and Holocene sedimentary record at Pirovac Bay (Dalmatia, Croatia) reveals freshwater and marine ostracods*.



- 11.45-12.00 O. Kulköylüoğlu*, S. Karaytuğ, S. Sak, S. Sönmez, O. Mülayim, İ. Ömer Yılmaz, F. Batmaz, E. Eren, M. Yavuzatmaca - *New ostracod report from Nansen Island, Antarctica.*

12.00-14.00 **Lunch**

- 14.00-14.15 C.A. Alvarez Zarikian*, P. Moal-Darrigade, E. Ducassou, E. Baumann, S.N. Brandão, P. Carbonel - *Mediterranean Outflow Water Variability in the Gulf of Cadiz – Ostracod evidence from IODP Site U1390.*
- 14.15-14.30 J. Rodriguez-Lazaro*, A. Pascual, Z. Varela, B. Martínez-García - *Benthic signal of ostracods in the last glacial cycle (MIS5-MIS1, Bay of Biscay, NE Atlantic).*
- 14.30-14.45 C.A. Alvarez Zarikian*, C. Nadiri, M. Alonso-García, T. Rodrigues, H.-H.M. Huang, S. Lindhorst, T. Kunkelova, D. Kroon, C. Betzler, M. Yasuhara - *Ostracod response to monsoon and OMZ variability over the past 1.2 Myr.*
- 14.45-15.00 L. Gemery*, T.M. Cronin, L.W. Cooper, J.M. Grebmeier - *Ostracode ecology, biogeography and shell geochemistry: Application to Arctic Ocean biomonitoring and paleoenvironmental reconstructions.*
Junior Participant
- 15.00-15.15 L. Macario-González*, S. Cohuo, P. Hoelzmann, L. Pérez, M. Elías-Gutiérrez, M. Caballero, A. Schwalb - *Influences of geological diversity on limnology and freshwater ostracod species distributions in the northern Neotropical region.*
- 15.15-15.30 S. Mischke*, P. Braun, E. Ito, A. Nishri, A. Almogi-Labin - *Ostracod distribution in the Sea of Galilee, northern Israel.*

15.30-16.00 **Coffee and tea break**

- 16.00-16.15 R. Temani*, F. Sciuto, A.H. Khayati - *First data on Gelasian to Calabrian (Early Pleistocene) marine Ostracoda from Mida section (Cap Bon, Tunisia).*
- 16.15-16.30 M. Warne* - *The Pliocene arrival of the ‘Ambostracon pumilum’ species group in Australasia via the vector of Shearwater (seabird) migration.*
- 16.30-16.45 M. Hoehle*, C. Wrozyzna - *Spatio-temporal distribution of ostracod species in saline inland lakes (Mansfeld lake area; Central Germany).* *Junior Participant*

Session 4. **Ecology and biology of Recent ostracods: New advances in the ecology and biology of Recent marine and freshwater ostracods**

- 16.45-17.00 C. Wrozyzna*, S. Mischke, M. Hoehle, M. Gross, W.E. Piller - *Large-scale geographic size variability of Cyprideis torosa (Ostracoda) and its taxonomic and ecologic implications.*
- 17.00-17.15 R. Asaba*, E. Asaba, A. Tsukagoshi - *New information about the furca in the genus Neonesidea (Podocopida: Bairdioidea).* *Junior Participant*
- 17.15-17.30 S. Yamada* - *Neuroanatomy of the mandibular gnathal edge in the cypridid ostracod.*
- 17.30-17.45 D. Nakamura*, A. Tsukagoshi - *Correlation between morphological types of male copulatory organs and distribution patterns of corolla-like pore systems in Bicornucythere bisanensis.* *Junior Participant*
- 17.45-18.00 D.L. Danielopol*, T. Namiotko, D.J. Horne, K. Martens - *The cytheroidean spinneret seta, an evolutionary novelty in ostracod phylogeny.*

Wednesday July 20th Mid-Symposium excursion, see program bellow.

Thursday July 21st (Amphithéâtre Depéret, Bâtiment Charles Darwin 69100 Villeurbanne)

- 8.30-8.45 F. Mesquita-Joanes*, L. López, J. Cruz, L. Quijada, P. Jerez, A. Mestre, F. Palero - *Body weight and respiration in some podocopid ostracods.*
- 8.45-9.00 M. Bonilla Flores*, P. Echeverria Galindo, L. Pérez, N. Börner, K. Dulias, J. Wang, A. Schwalb - *Taxonomy, ontogeny, and ecology of Tonnacypris stewarti (Daday, 1908) comb. nov, an ostracod from high altitudes, Lake Nam Co, Tibet.* *Junior Participant*
- 9.00-9.15 S. Cohuo*, L. Macario-Gonzalez - *Geographical parthenogenesis in the northern Neotropical region, a geological and environmental perspective.*



- 9.15-9.30 K. Martens*, B. Jacobs, I. Schön - *An endemic species flock of cypridopsine ostracods (Crustacea) from Lake Malawi (Africa), with an overview of ancient lake ostracods.*
- 9.30-9.45 O. Uzun*, A. Snigirova - *Meiobenthic ostracodes (Crustacea, Ostracoda) assemblages of different bottom substrates in the north-western Black Sea. **Junior Participant***
- 9.45-10.00 J. Zhang*, M. Yasuhara, K. Aye, S. Yunshu Tian - *Ostracod eye as a paleo-water-depth proxy. **Junior Participant***

10.00-10.30 **Coffee and tea break.**

Session 5. **Ostracods in the Anthropocene: Ostracods as proxies for environmental monitoring and palaeoenvironmental reconstruction**

- 10.30-10.45 M. Bisquert-Ribes*, J. Rueda, R. Martínez, P. Vera, J. Armengol, F. Mesquita-Joanes - *Biodiversity of ostracods in a protected wetland on the Iberian Peninsula, with focus on exotic species. **Junior Participant***
- 10.45-11.00 V. Navrozidou*, O. Koukousioura, P. Frenzel, P. Avramidis, M. Triantaphyllou, E. Aidona, G. Syrides - *Composition and distribution of recent ostracod assemblages from the bottom sediments of Lake Kournas (Crete Island, Greece). **Junior Participant***
- 11.00-11.15 K. Prais, M. Mioduchowska, T. Namiotko*, A. Kilikowska - *Further evidence for a widespread Cardinium infection in non-marine Ostracoda.*
- 11.15-11.30 M. Yasuhara* - *Time Machine Biology: Paleobiology provides glimpses of future ocean.*
- 11.30-11.45 A. García-Madrigrál*, S. Mischke, A. Ruiz Angulo - *First record of intertidal Ostracoda from Fossvogur and Kópavogur Bays (SW Iceland). **Junior Participant***
- 11.45-12.00 G. Salvi*, F. Sciuto, P. Falco, P. Castagno, M. Ferneti, P. Montagna, M. Taviani, J.B. Anderson, R. McKay, L. De Santis, D.K. Kulhanek, and the IODP Expedition 374 Scientific Party - *Ostracod fauna from the Western Ross Sea Shelf surface sediments; a key to interpreting the climate changes recorded by the IODP Expedition 374 Site U1523.*

12.00-14.00 **Lunch**

- 14.00-14.15 S. Parth, N. Waldmann, J. Russell, I. Mazzini* - *Late Holocene Ostracoda and climate changes in the southern margins of the Arabian Desert (Yemen).*
- 14.15-14.30 K. Trabelsi*, B. Sames, M. Kázmér - *Ostracods as proxy to reconstruct palaeoenvironmental and palaeoclimatic control of the Quaternary Sárrét Basin, NW Hungary.*
- 14.30-14.45 T.M. Cronin, L. Gemery* - *Ostracode applications to Arctic Paleoceanography.*
- 14.45-15.00 Y. Hong*, M. Yasuhara, H. Iwatani, K. Seto, Y. Yokoyama, J. Zhang, S.P. Obrochta, A. Tsujimoto, K. Yoshioka, Z. Liu - *Decadal-scale marine ecological changes based on multiple proxies in Hong Kong. **Junior Participant***

Session 6. **Methods in ostracodology: New or advanced methods for the study of ostracods**

- 15.00-15.15 J. Hu*, Y. Hong, Y. Chen, M. Yasuhara - *Preliminary study of automatic identification of ostracods with deep learning. **Junior Participant***
- 15.15-15.30 H.-H.M. Huang*, M. Yasuhara, D.J. Horne, V. Perrier, A.J. Smith, S.N. Brandão - *Ostracods in database: State of the art, data mobilization and future applications. **Junior Participant***

15.30-16.00 **Coffee and tea break.**

- 16.00-16.15 M. Tsoni*, P. Papadopoulou, D. Valavani, M. Groumpou, G. Iliopoulos - *Ostracods as a palaeoenvironmental indicators: A case study from the Rio Basin (Corinth rift). **Junior Participant***
- 16.15-16.30 C. Vittori*, V. Chardon, S. Chapkanski, P. Carbonel, J.-P. Goiran, L. Schmitt - *How to optimize the study of *Cyprideis torosa* (Jones, 1850) sieve pores: morphometric indices and automatic detection. **Junior Participant***
- 16.30-16.45 I. Schön*, F. Mesquita-Joanes, K. Martens - *Microbiomes of the putative ancient asexual ostracod *Darwinula stevensoni*.*
- 16.45-17.00 A. Stepanova*, C. Belanger, R. Lara-Garduno, T. Hammond, C. Stanley, S. Raven - *FossilSketch - an innovative way to teach micropaleontology in undergraduate geoscience classes, first results of classroom testing.*
- 17.00-17.15 I. Mazzini*, R. Parisi, D. Barra, G. Aiello - *The new Specific Population Stage (SPS) index: putting the dead ostracods to work.*
- 17.15-17.30 N. Dykan* - *The principle of determining taxonomic features in the fossil Ostracoda.*



17.30-17.45 B. Sames* - *Terminology and mode of relevance of ornamentation elements in non-marine ostracods: How not to name an ostracod species.*

20.00-00.00 **Conference dinner at Bocuse brasserie le Nord (<https://www.brasseries-bocuse.com/>).**
If you have a special diet or food allergies, please let us know at least two weeks before the conference.

Friday July 22nd (Amphithéâtre Depéret, Bâtiment Charles Darwin 69100 Villeurbanne)

8.30-10.00 WORKSHOP 1. *Towards a standardised protocol in sampling and processing ostracods from soft bottom habitats* organised by Peter Frenzel & Anna Pint

Ostracoda are a versatile tool in Quaternary palaeo-science and have a high potential for conservational palaeobiology as well. Making results from ostracod analyses comparable needs standardised methods in sampling, processing and analyses. Those are already existing for Foraminifera in form of the FOBIMO protocol, making them fit for their use in biomonitoring. Certainly, the community of ostracod researchers needs a similar approach to make a step forward towards the systematic use of ostracods in water quality research and related fields of study. We present suggestions for a standardised protocol and want to discuss it in order to produce a thoroughly considered guideline useful for our research community.

10.00-10.30 **Coffee and tea break.**

10.30-12.00 WORKSHOP 2. *The future of Ostracodology* organised by Marie-Béatrice Forel, Cristianini Trecastrò Bergue, Moriaki Yasuhara

More than one year ago, we launched a call on Ostracoda to a community-scale reflection on emerging and important questions in the field: what do we identify today as the big questions of the next years for ostracodology? We received numerous questions that deal with very diverse fields of our discipline and illustrate the importance of sharing our views on the important challenges we, ostracod researchers, should address next. This workshop will aim at continuing this discussion around larger thematic we identified from the submitted questions. All participants are welcome to join the discussion, including online, and the email address to send additional questions (ohmyostracod@gmail.com) will remain active until the day of the workshop. We hope that this workshop can result in a group publication illustrating our community reflection on what is ostracodology in 2022, its emerging topics and big challenges to come.

12.00-14.00 **Lunch.**

14:00-16:00 **IRGO business meeting.**

IRGO business meeting will be held on 22nd July 2022, during the 19th International Symposium on Ostracoda (ISO19), in Lyon, France.

1-Welcome

2- Minutes of the ISO18 IRGO business meeting, held in Santa Barbara, USA, August 2017 (to be found here: <https://ostracoda.net/about-irgo/57-irgo-cat/irgo-business-meetings/129-minutes-of-iso18-in-2017-in-santa-barbara>)

3- Memorials

The following friends have passed away since August 2017:

Nadežda Krstic (1934–2019)	Henri Oertli (1927–2018)
Ana Sokac (1933–2019)	Vladimir G. Chavtur (1947–2020)
Pietro Miculan (1959–2020)	Alexander Kanygin (1936–2020)
Diğer Gülen (1937–2019)	Richard D. Hoare (1927–2018)
Roland Fuhrmann (1938–2021)	Louis S. Kornicker (1919–2018)

Will call the assembly to get up and observe a minute of silence.

*4- Financial report from the treasurer (SF*IRGO)*

IRGO's financial report from the Treasurer.



5- IRGO activities for 2017-2022

Cypris Newsletter

The Crustacean Society

IPA

Travel support for IPC5 Paris for young ostracod researchers

The 9th European Ostracodologists' Meeting (EOM9) (19 to 22 July 2019 in Gdansk, Poland organized by Tadeusz Namiotko), great success.

<https://ostracoda.net/european-ostracodologists-meeting/11-meetings/eo-meeting/125-eom-9-2019-gdansk-poland>

The 4th Asian Ostracod Meeting (6–10 August 2018 in Kanazawa, Japan organized by Takahiro Kamiya), great success.

<https://www.ostracoda.net/aom3/>

IPC6 and AOM in Thailand (7–11 Nov 2022)

<https://ipc6.msu.ac.th/registration/>

10th European Ostracodologists' Meeting (EOM10) (Italy, 2024)

Ilaria Mazzini and Francesco Sciuto

6- ISO20 venue

Propositions from China, Mexico, Turkey.

7- Awards

The Order of the Amphidont Hinge.

The Sylvester-Bradley Award.

The best early-career poster award.

The best poster award.

8- Election of next IRGO Officers

Chair

Vice-Chair

Secretary

Treasurer = chair of SF*IRGO

Communication Officer

Past-chair

9- Any Other Business

10- Acknowledgements and adjournment

16:00-16:30 **Coffee and tea break.**

16:30-18:00 **General Assembly of the Society of Friends of IRGO**

POSTERS

1. A. Ataman*, O. Külköylüoğlu - *Fossil and Recent ostracods of Texas. **Junior Participant***
2. C. Berndt*, T. Haberzettl, M.E. Böttcher, S.J. Clases, E.J. Arias Santos, E.R. García Cocco, C. Wrozyńska - *Faunal, stable isotope and morphological variability of ostracods in Lago Enriquillo (Dominican Republic) during dry season. **Junior Participant***
3. I. Boomer*, P. Copestake, N. Larkin, D. Loma - *Utility of calcareous microfossil assemblages to date and provenance fossil marine reptile specimens in museum collections that lack associated data.*
4. A. Briceag*, S. Rotaru, R.G. Dimitriu, I. Stanciu, B. Barbu, B. Ispas, I. Stănescu - *Late Holocene paleoenvironmental changes in the Razelm-Sinoe lagoonal system, Danube Delta.*
5. L. Chen*, Z. Huo, Y. Liu, B. Niu, W. Zhang - *Ecotoxic effects of a uranium mine receiving effluent in Guangdong: ostracods as indicators.*
6. M. Cours, J. Vanaverbeke, K. Parmentier, M. Knockaert, J. Higuera, K. Martens*, I. Schön - *Water chemistry and not urbanization influences community structure of non-marine Ostracoda (Crustacea) in northern Belgium. **Junior Participant***

7. M.E. Dobre*, I.B. Stan, S. Rotaru, A. Vespremeanu-Stroe, L. Preoteasa, L. Tutuianu, A. Berbecariu - *Tracking the Black Sea reconnections with the World Ocean by ostracoda and paleoenvironmental reconstruction within a coastal barrier (Midia, western Black Sea coast)*. **Junior Participant**
8. V.G. Ferreira, J. Higuti, K. Martens* - *On a new genus and four new species of the subfamily Cyprettinae Hartmann, 1971 (Ostracoda, Crustacea) from tropical floodplains in Brazil*.
9. P. Frenzel*, R. Matzke-Karasz, A. Pint - *Roland Fuhrmann, *1938 – †2020*.
10. P. Frenzel*, L. Gifty Akita, O. Gildeeva, M. Schott, M. Alivernini - *Recent Ostracoda from estuarine systems of Ghana, western Africa*.
11. Z. Ge*, Y. Wang - *A “Purbeck-Wealden type” ostracod fauna from the Xiagou Formation: Biostratigraphy and palaeoenvironmental implications*. **Junior Participant**
12. E. Gliozzi*, C. Faranda - *Taxonomic revision of Loxoconcha muelleri (Méhes, 1908) and its occurrence in the Neogene of Paratethys and Palaeomediterranean*.
13. S.R. Gobbo*, R.J. Bertini - *Re-illustration of four non-marine ostracodes from “Grès Polymorphe”, Congo Basin, described by Grekoff (1958)*.
14. M. Groumpou*, I. Koukouvelas, K. Nikolakopoulos, P. Papadopoulou, M. Tsoni, G. Iliopoulos - *Preliminary palaeoecological results from the palaeolake of Pheneos Polje, N. Peloponnese, Greece, based on ostracods*. **Junior Participant**
15. E. Guillam*, S. Crasquin, M.-B. Forel - *The palaeobiogeography of Late Devonian and Early Carboniferous marine ostracods*. **Junior Participant**
16. V. Hajek-Tadesse*, T. Kurečić, L. Wacha, H. Marija, N. Trinajstić, I. Mišur - *Stygobiont ostracods from a deep cave Njemica (Biokovo Mt., Croatia)*.
17. C.M.S. Hall*, J.M. Greenlee, S. Dean, L.E. Park Boush, N. Waldmann - *Using ostracodes to reconstruct paleoenvironmental changes in a Pliocene lake record from the Central Jordan Valley*. **Junior Participant**
18. J. Higuti, K. Martens* - *Non-marine ostracods (Crustacea) from New Caledonia, Pacific Ocean*.
19. L. Hoffmeister Luz, D.K. Petsch1, N.M. Almeida, J. Rosa, V.G. Ferreira, K. Martens*, J. Higuti - *Is the ostracod fauna similar between native and non-native macrophytes?*
20. A. Javadova, C. Faranda, M. Zenina, E. Gliozzi* - *Taxonomic harmonization of Paratethyan brackish ostracods described by Livalta, 1929 from Babazanan type locality (Azerbaijan)*.
21. M. Kijowska*, T. Namiotko, A. Wysocka - *Phylogenetic relationships within the subfamily Candoninae: new evidence from combined mtDNA and nDNA data*. **Junior Participant**
22. A. Kilikowska*, T. Namiotko, K. Martens, I. Schön - *Multiple cryptic species within Heterocypris incongruens (Ramdohr, 1808)*.
23. S. Kolomaznik*, P. Frenzel - *Investigation of the influence of different salinities in inland waters on Cyprideis torosa (Jones, 1850)*. **Junior Participant**
24. O. Külköylüoğlu*, A. Tuncer, J.A. Veech - *New species of Cypridopsis from Texas (USA)*.
25. O. Külköylüoğlu*, F. Batmaz, A. Özdilek, A. Ataman - *Seasonal occurrence of ostracod species in lake Kara Murat (Bolu, Turkey)*.
26. O. Külköylüoğlu*, R. Gibson, P. Diaz - *Introduction of a new genus of Candoninae from Texas (USA)*.
27. M.-C. Landry*, É. Saulnier-Talbot, P. Archambault - *Diversity and distribution of ostracods in a high-use coastal ecosystem, Bay of Sept-Îles, Québec*. **Junior Participant**
28. X. Li*, D. Zhai, Q. Wang, R. Wen, M. Ji - *Depth distribution of ostracods in Lake Ngoring on the Tibetan Plateau and its ecological and palaeolimnological significance*.
29. N. Martins de Almeida, V.G. Ferreira, J. Higuti, K. Martens* - *Two new genera of Physocypris sensu lato (Crustacea, Ostracoda) from Neotropical floodplains*.
30. S. Mischke*, H. Zhao, P. Tan, X. Sun - *Environmental conditions in the early Late Pleistocene of the Nihewan Basin (Hebei, NE China): the Paleolithic Youfangbei Site*.
31. Y. Nakao*, A. Tsukagoshi - *An undescribed species of Saipanetta (Superfamily Sigillioidea) from central Japan – the first report from the upper eulittoral zone, with details of its habitat*.
32. A. Özdilek*, O. Külköylüoğlu - *Non-marine Ostracoda from mediterranean islands*. **Junior Participant**
33. L. Park Boush*, C. Hall - *New Ostracod Discoveries from the Late Miocene-Early Pliocene age Danakil Formation, Eritrea*.
34. J.S. Pereira*, C.E.F. Rocha, R.L. Pinto, M.B. DaSilva - *Systematics of Elpidium Müller, 1880 (Podocopida: Limnocytheridae) and implications to Brazilian Atlantic Forest biogeography*. **Junior Participant**
35. K. Pfenning*, F. Viehberg - *Quantitative variation of morphological 3D-traits in ostracod shells. Eucypris virens – a case study*. **Junior Participant**
36. A. Pint*, S. Kolomaznik, M. Seeliger, P. Frenzel - *Reconstruction of the environs of Elaia’s ancient harbour using ostracods and foraminifers*.



37. E. Quante*, P. Frenzel - *Anthropogenic impacts on the ostracod fauna of Lake Stechlin, north-eastern Germany.* **Junior Participant**
38. S. Rotaru*, A. Vespremeanu-Stroe, D. Hanganu, L. Tutuianu - *Response of marginal marine ostracods to Holocene environmental changes: river influences vs marine influxes in the Danube delta.*
39. I. Schön*, F. Rodriguez, I. Arkhipova, P. Tran Van, T. Schwander, K. Martens - *First ostracod draft genomes providing insights into ostracod biology and evolution.*
40. I. Schön*, K. Martens, W. Vyverman, E. Verleyen - *Introducing the project HabitAnt - Past and future habitability in Antarctic lakes: succession, colonization, extinction, and survival in glacial refugia.*
41. F. Sciuto*, C. Altieri, G. Donato, D. Basso, R. Sanfilippo, D. Serio, A. Rosso, V.A. Bracchi, R. Leonardi, A. Viola - *Ostracod and Foraminifera living on coralligenous bioconstructions offshore Marzamemi (western Ionian Sea, Southern Italy).*
42. J. Song*, S. Crasquin, W. Qie - *Late Devonian benthic ostracods from South China and their response to the Frasnian–Famennian event.*
43. V. Syniehubka* - *Problems of using marine ostracods for stratigraphic correlation of the northern shelf of the Middle Cretaceous Tethys.* **Junior Participant**
44. A. Szwarc*, T. Namiotko - *Biodiversity of non-marine Ostracoda of Botswana as compared with other Southern African countries.*
45. D. Valavani, M. Tsoni*, P. Papadopoulou, G. Iliopoulos, S. Giokas - *Micropalaeontological study of sediments from Sichaena, Achaia, Greece and geometric morphometrics of *Cyprideis torosa*.* **Junior Participant**
46. J. Villar de Queiroz Neto* - *Early Cretaceous ostracods from the base of the ODP Site 959, Ivory Coast.*
47. N. Yu, S. Ma, Q. Wang, D. Zhai* - *The morphology and taxonomy of three non-marine ostracod species from Inner Mongolia and Beijing, northern China.* **Junior Participant**

PROCEEDINGS OF THE SYMPOSIUM:

All contributions to the proceedings of the Symposium will be gathered in *Revue de Micropaléontologie* (IF 1.44). The volume will cover all aspects of micropalaeontology, including biological aspects as they are vital for calibrations and validation of actualism.

The platform for article submission for the special issue is already open and full articles can be submitted here: <https://www.editorialmanager.com/revmic/default1.aspx>. Instructions for authors can be found here: <https://www.elsevier.com/journals/revue-de-micropaleontologie/0035-1598/guide-for-authors>.

To ensure that all manuscripts are correctly identified for inclusion into the special issue, it is important that you select VSI: ISO19 when reaching the “Article Type” step in the submission process. The **deadline** for the manuscript submission will be in **December 2022**. The best student paper submitted for the proceedings will be awarded a 6-month promotional access, *i.e.* the paper will be in open access for 6 month.

AWARDS, NEXT ISO AND IRGO MEETINGS (AFTERNOON OF FRIDAY JULY 22ND):

Award for the best student/early career talk and poster: The Sylvester Bradley Award for the best student/early career talk will be sponsored by the Micropalaeontological Society and the funds for the best student/early career poster will be given by the IRGO.

Next ISO proposal: Some time will be allocated for the proposals to the organisation of the next ISO meeting in 2025. At the moment, we have three declared candidates: China, Mexico and Turkey. If you are also interested in organizing the next ISO conference, please prepare a short presentation of your proposal and contact vincent.perrier@univ-lyon1.fr.

*IRGO and SF*IRGO meetings:* At the end of the afternoon, before the closing ceremony, will be held the business meetings of the International Research Group on Ostracoda and the society of friends of the IRGO.



O-BAZAAR

As was successfully organised in Gdańsk for the 9th EOM European Ostracodologist's Meeting in 2019, we will set up an Ostracodologists' Bazaar in support of IRGO. All proceeds will go to IRGO to be used to support ostracod research, such as travel grants for young researchers.

Everybody is welcome to a look around for anything ostracod-related that you don't need anymore, but that could be useful to a colleague: books, reprints, sampling-tools, artwork (even produced by yourself!). If you don't join ISO19, try to give your item(s) to someone who does.

The O-Bazaar will take place during the coffee breaks in a special room, and will be run by staff. 'Regular' items will be sold directly on a first-come, first-serve basis, while for outstanding/very special items, silent auctions will be held. So please bring your treasures and hand them over to the staff during registration.

MID-SYMPOSIUM EXCURSION (WEDNESDAY JULY, 20TH)

The mid symposium excursion will take us to the countryside around Lyon, first along the Rhône river, then in the Dombes and Beaujolais areas. **Be prepared for hot and moist weather. Mosquitoes and ticks are also abundant in the area.**

The Rhône is a major river in France and Switzerland, arising in the Alps and flowing west and south through south-eastern France before discharging into the Mediterranean Sea. Before urbanization it was a very lively river, and relics of its past activity are still visible in the shape of paleo-meanders a few kilometres east of Lyon. Together with Prof. Pierre Marmonier (Lyon), we will stop in several places along these palaeo-meanders to explore and (hopefully!) collect their Recent ostracod fauna in different freshwater environments.

After that we will travel a few km north-east toward Pérouges, a medieval walled village perched on a small hill that overlooks the plain of the river Ain. The village of Pérouges is classified among the 'Most Beautiful Villages of France' which makes it one of the most touristic places in the area. It is an ancient city of weavers, whose double walled enclosure disappeared in the 18th century. Packed lunch prepared by the University 'staff restaurant' will be provided to the participants.

Lyon is well known as the French capital of gastronomy (though not according to Paris colleagues ^^), but it is also surrounded by the famous vineyards of Beaujolais, Burgundy and the Rhône Valley. As a trip to France would not be the same if it does not involve a trip among vineyards, we will end the mid-symposium field trip with the visit to a Beaujolais vineyard and wine cellar and some wine tasting.



Paleo-meanders of the Rhône River



Village of Péruges

Beaujolais landscapes



POST-SYMPIOSIUM FIELDTRIP

As for the mid-Symposium field trip: be prepared for hot and moist weather; mosquitoes and possibly ticks can also be abundant in the area.

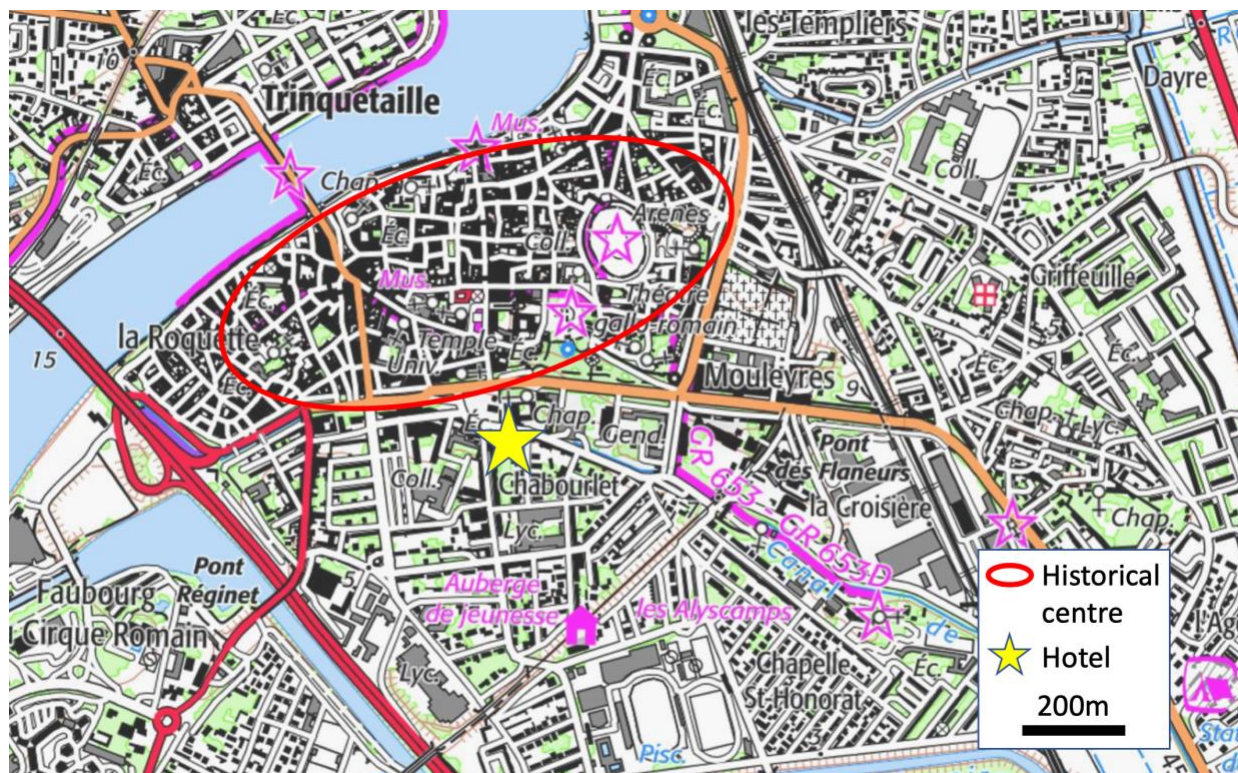
Saturday July 23rd

8.00 Meeting in front of Bâtiment Géode (10m south the conference venue). Departure to Camargue with the three mini-buses of the Geology Department.

On the way to Arles, samplings of ostracods around the Rhône River. Visit of fossiliferous/touristic sites. Lunch along the way will be planned by the organizers.

17/18.00 (depending on traffic) Arrival in Arles. Stay at the Best Western Hotel Atrium (<https://www.hotelatrium.com/en/>). **Reminder: all rooms are twins.** For participants who wish to join with their personal car, parking places can be booked at the hotel (14 euros/car/night). Dinners will take place at the hotel.

Evening/free time, visit of the city. Arles is a coastal city that housed many artists (e.g. van Gogh, Picasso, Gauguin...) thanks to its beautiful Provence ambiance and landscape. A large part of Camargue, the largest wetlands in France, is located on the territory of the commune, making it the largest commune in Metropolitan France. The city has a long history and the Roman monuments of Arles were listed as UNESCO World Heritage Sites in 1981.

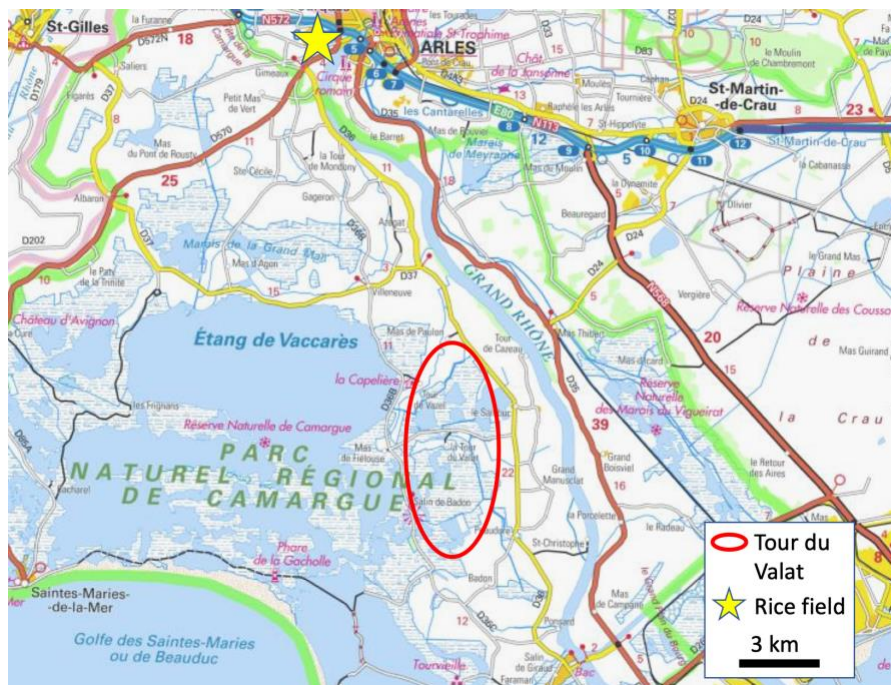


Sunday July 24th

8.30 Departure to Tour du Valat (<https://tourduvalat.org/en/>), about 30 minutes from Arles by minibus. In the morning, we will be guided through the heart of Tour du Valat by Marc Thibaut (specialist of birds & moths) with the possibility to sample diverse environments typical of Mediterranean wetlands, from fresh to hyperhaline conditions. Note that:

- Our guide has very good knowledge of water birds in the area and will be able to help us with observations and identifications, but only few migratory birds are present in Camargue in July.
- Caution: some water bodies are temporary and will be dry in July.

All participants who want to sample need to carry their own sampling material, waders are mandatory.



Packed lunch prepared by the hotel.

In the afternoon (with temperatures possibly very high), a dedicated room will allow us to get together following the sampling. Two binocular lenses are available at the Tour du Valat and we will bring two additional binocular lenses, plus a portative DinoLite microscopes. A screen will be available for us to share observations.

Monday July 25th

8.30 Departure to the Mas du Sonnailler (route de Gimeaux 13200 Arles), about 10 minutes by minibus. The Mas du Sonnailler hosts the Syndicate of Rice Farmers of France and we will be guided through a rice field for sampling.

Packed lunch prepared by the hotel

14.00 Departure for Lyon. Arrival around 18.00, depending on traffic.

VENUE

Lyon is the third-largest city and second-largest urban area of France. It is located at the confluence of the rivers Rhône and Saône, about 500km southeast of Paris. Former capital of the Gauls at the time of the Roman Empire, Lyon is now recognized for its cuisine and gastronomy, as well as historical and architectural landmarks: the districts of Old Lyon, the Fourvière hill, the Presqu'île and the slopes of the Croix-Rousse that are inscribed on the UNESCO World Heritage List.

Its central position in France makes it very easy to reach in by any means of transportation:

- *By train:* Lyon has three large train stations (Part Dieu, Perrache & Vaise stations) that are linked to many French and European cities (e.g. Paris-Lyon = 2h; Geneva-Lyon = 2h).

- *By car:* The central position of Lyon makes it also easy to reach by car. But note that, in the city, it is difficult to find a parking spot and parking fees are expensive. Parking close to the conference venue is much cheaper/easier.

- *By plane:* The Lyon Saint Exupéry airport is situated about 20km east of the city center and is linked to the main train station (Part Dieu) by the Rhône Express tram (less that 30min trip; departure every 15 minutes from 4.25am to midnight). It is connected to most major European cities. Please, think twice before choosing the plane option, especially if you are travelling from Europe. Plane travel emit \approx 40-80 times more CO₂ than train (in France), and about \approx 6 times more than a car with four persons inside!

Public transport in Lyon: In your conference bag, you will be given five daily passes that will allow you to use freely the public transports of the city during all the conference.

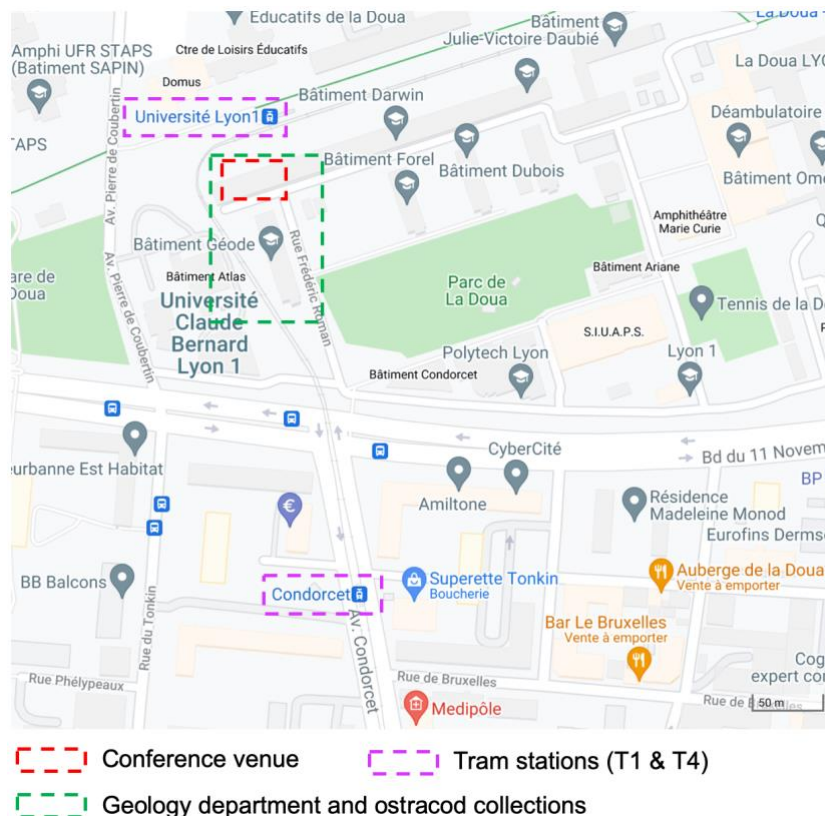
Visa requirements: Please, check your individual circumstances for entry to France. If you need an official invitation to get your visa contact the 19th ISO organizers: iso2022@univ-lyon1.fr



SYMPOSIUM VENUE

The Symposium (and icebreaker, coffee breaks, poster sessions...) will ideally be held next to the Geology Department in the Depéret amphitheatre of the University Lyon 1 (Bâtiment Charles Darwin 69100 Villeurbanne). The venue is situated near the tramway T1 & T4 stop “Université Lyon 1” which is three stops away from Metro lines A & B stop “Charpenne”.

The lecture hall (224 seats) is equipped with computers, video projectors, and video cameras. Free wifi connection will be available in the lecture hall and in the congress building. One room with microscopes will be available for scientific discussion and material exchange during the Symposium. The Lyon collections of ostracods (A.M. Bodergat, G. Carbonnel, V. Perrier...) will be available for study.



ACCOMMODATION

Lyon is an important tourist destination that can offer all kinds of accommodation, from luxury hotels to bed & breakfast and hostels.

You can easily find a room on websites like <http://www.booking.com> or <http://www.tripadvisor.fr>.

We suggest choosing a hotel near city centre from which you can reach anywhere in the city (including the conference venue) in less than 30min.

We'll offer some discounts in a selection of hotels, more to come in the addendum to the 2nd circular that we'll provide as soon as possible

Please note that accommodation booking and payment cannot be taken by 19th ISO organisers.



COVID REGULATION (FOR THE TIME BEING...):

Please, note that with the current French regulation, it is not compulsory anymore to wear a mask indoor. There are no more controls of Covid certificate anywhere either (university buildings, restaurants, museum...) but make sure you have this document to travel from/to France.

Here is some info about the new regulations (13/06) for traveling to France:

<https://www.diplomatie.gouv.fr/en/coming-to-france/coming-to-france-your-covid-19-questions-answered/>

<https://www.interieur.gouv.fr/covid-19-international-travel>

Do not hesitate to get in touch with us, in case of any questions/doubts!

REGISTRATION

Registration to the Symposium, the annual dinner and the post symposium field trip are still possible at full price on this website: <http://iso2022.univ-lyon1.fr/en>

FEES: Senior participants 450€; Junior participants 350€; Accompanying persons 150€; Annual dinner 60€

The Registration fee for **permanent and junior** (i.e. undergraduate students, PhD students, post-doctoral fellows, unemployed researchers) **participants** includes the abstract volume, the proceeding volumes, the ice-breaker party, the coffee-breaks, the five lunches and the mid-congress excursion. **Accompanying persons** will be welcome at all the social events (including the conference dinner) as well as at the mid-congress excursion.

Please note that very late registration and payment during the Symposium will be possible.