

PALYNOS

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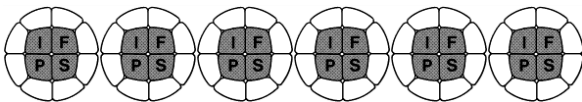
Volume 45 (1) – 2022

NEWSLETTER OF THE INTERNATIONAL FEDERATION OF PALYNOLOGICAL SOCIETIES

<http://palyno-ifps.com/>

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IFPS BUSINESS

ADDITIONAL FORMER ISSUES OF PALYNOS ARE NOW AVAILABLE ON OUR IFPS-WEBPAGE

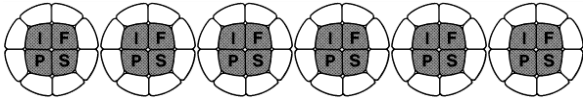
We would like to inform all our members of our palynological societies affiliated to the IFPS that we have now scanned and uploaded additional former issues (published on paper)

of our newsletter PALYNOS (formerly published as the “Newsletter of the International Commission for Palynology (ICP)” on our IFPS Webpage (<https://palyno-ifps.com/palynos/>). Many thanks go therefore to the Hunt Institute for Botanical Documentation (Carnegie Mellon University, Pittsburgh, USA), who archived these very valuable former newsletter issues. These newsletters do contain lots of important historical information on the evolution of our Federation through time, and are treasures on the history of worldwide Palynology.

However, we are still lacking copies of the **Volumes 1 to 6** (with the exception of vol. 3.1, 1980) of the “**Newsletter of the International Commission for Palynology (ICP)**” published from 1978–1983 on paper.

We would therefore be very happy, if you, as senior or retired palynologist, or as a still acting palynologist, having been member of an affiliated palynological society of the IFPS (formerly the ICP) since the late 1970th, could look out in your personal library for these newsletter issues. If successful, please contact me, J.N. Haas, president of the IFPS (email address below), so that we can find a solution in order to copy or scan, and archive these newsletters on our IFPS webpage, thanks a lot for this already!

Jean Nicolas Haas, President of the IFPS
Email: [jean-nicolas.haas\(at\)uibk.ac.at](mailto:jean-nicolas.haas(at)uibk.ac.at)



NEW IFPS COUNCILLORS

We would like to give a warm welcoming to our new CIMP-councillor Jiří Bek, who already was board member of the IFPS (2004–2008). Please see below a brief introduction of himself, his new role and contact details.

JIŘÍ BEK - CIMP



Jiří Bek has worked on Palaeozoic palynology for more than thirty-six years. Almost the whole time he spent in the Institute of Geology v.v.i. of the Academy of Sciences of the Czech Republic in Prague. His main domain of study is on Pennsylvanian dispersed spore and pollen assemblages although he has also published a few papers on Silurian, Devonian and Permian material. The second target of his research is in situ spores and pollen, i.e. those isolated directly from reproductive organs of fossil plants (in the Silurian to Permian). He has published more than seventy papers concerning this research connecting palynology and palaeobotany and some tens of others dealing with dispersed spore and pollen assemblages. Jiří is collaborating with several Palaeozoic palynologists as well as palaeobotanists, members of IFPS and IOP. He has been active in service to our small palynological community as Councillor of

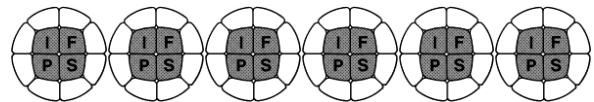
OCSP (Organisation of Czech and Slovak Palynologists) for ten years, as IFPS Vice-President for four years, and as IFPS Secretary-Treasurer for four years. Jiří co-organised some important meetings in the Czech Republic including the Commission Internationale de la Microflore du Paléozoïque (CIMP) General Meeting in Prague (2006), the 7th European Palaeobotany Palynology Conference in Prague (2006), and is an organizer of the future 15th IPC / 11th IOPC in Prague in 2024.

His CIMP activities will be focused mainly on developing the CIMP database (created by Phillipe Steemans) that will be very useful for all palynologists, as well as promoting CIMP interests within IFPS and supporting the CIMP President with his activities.

Jiří Bek

Councillor for CIMP at the IFPS

Email: [bek\(at\)gli.cas.cz](mailto:bek(at)gli.cas.cz)



NEWS FROM PALYNOLOGICAL SOCIETIES

BOARD ELECTIONS OF THE CIMP (COMMISSION INTERNATIONALE DE LA MICROFLORE DU PALÉO- ZOÏQUE)

CIMP recently held elections of its board for the next four years with the following results. The new President is Duncan McLean, General Secretary is Gilda Lopez, Director at Large (CIMP Councillor) is Jiří Bek, student representative is Alexander Ball, Treasurer is

Paulo Fernandes. Hartmut Jaeger becomes the past president.

CIMP has plans for symposia at the TPS/AASP Annual Meeting, Kentucky, 2023, and at the IPC/IOPC, Prague, 2024.

Jiří Bek

CIMP councillor

Email: bek(at)gli.cas.cz

CONFERENCE

REPORTS

Report on the European Pollen Database Workshop Charles University, 1st – 4th June, Prague

After a long absence of face-to-face activities, the European Pollen Database (EPD) organised a 3-day open science meeting in the beautiful city of Prague, Czech Republic. The

meeting was a combination of plenary lectures on a wide range of topics related to palynology and palaeoecology, several hands-on workshops aimed to gain or improve palaeosciences-related skills, and a session of poster presentation. One of the main objectives of this meeting was indeed bringing together several proxy communities willing to contribute to a more open science by uploading their data to Neotoma (<https://www.neotomadb.org/>).

Aiming to attract a wider audience besides palynological disciplines, plenary talks ranged from: (i) the past, present and future evolution of the EPD and its integration to Neotoma (speakers: Thomas Giesecke and Jack Williams), (ii) the use of and interaction with additional proxies or disciplines in palaeoecological studies such as fires, sedaDNA, biomarkers, vertebrates, testate amoeba, archaeology or inventory data from herbaria (speakers: Inger Greve Aslos, Ulrike Herzschuh, Elisabeth Dietze, Katarzyna Marcisz, Danielle Schreve, Patrik Mráz, Cindy de Jonge and Jan Kolář), or (iii) the use of a



Figure 1. Attendees of the EPD workshop in Prague (June 1-4, 2022). Photo by Jindrich Prach.

computational approach for metadata analyses dealing with large databases like the EPD (speakers: Heikki Seppä and Ondřej Mottl).

Regarding workshops, the participants had the opportunity to attend two of the seven available, that is:

- 1) Chronology-building using the EPD (by Petr Kuneš and Graciela Gil-Romera),
- 2) Tilia: individual sites and data upload (by Michelle Leydet and Graciela Gil-Romera),
- 3) Quantitative land-cover reconstruction (by Martin Theuerkauf and Vojtěch Abraham),
- 4) Neotoma R (by Socorro Dominguez),
- 5) Non-pollen palynomorphs (by Lyudmila Shumilovskikh),
- 6) Char Analysis for R (by Walter Finsinger), and
- 7) An introduction to quantitative climate reconstructions in R (by Basil Davis).

The last day of the workshop consisted of a field trip visiting Bohemian Karst, explaining the Quaternary history and visiting one of the westernmost forest-steppe communities.



Figure 2. Field trip moment visiting the Bohemian Karst. Photo by Jindrich Prach.

This 2022 EPD Open Science meeting was partially funded by PAGES in collaboration with Charles University in Prague and was attended by 105 people, from 21 different countries. The EPD and PAGES are inclusive organizations and attracted 80% of Early Career Researchers (ECRs) and a gender ratio of 68% female and 38% male.

Organising committee:

Graciela Gil-Romera:

graciela.gil(at)ipe.csic.es

Michelle Leydet:

michelle.leydet(at)univ-amu.fr

Petr Kuneš: petr.kunes(at)natur.cuni.cz

Thomas Giesecke: t.giesecke(at)uu.nl

Bérangère Leys: berangere.leys(at)imbe.fr

11TH EPPC STOCKHOLM, SWEDEN, JUNE 19-22, 2022

First, I know I speak for all conference participants in expressing our most sincere appreciations and thanks to the local organizers of this memorable EPPC, i.e. Vivi Vajda (Chair of the Organizing Committee), as well as Catarina Rydin, Stephen McLoughlin, Natasha Barbolini, Margret Steinthorsdottir, Thomas Denk, Björn Gedda, Sam Slater, and Karin Helmens for all of their excellent efforts and work in making this conference an exceptional one, and that this most important European conference in our fields could be held in presence in Stockholm; what a success!

Jointly organized at the Swedish Museum of Natural History and at Stockholm University, 240 delegates from 44 countries worldwide participated. Also, we all also had the pleasure to celebrate the this year's 90th birthday of Kaj Raunsgaard Pedersen and the 75th birthday of Else Marie Friis! Congratulations! especially to Kaj, as Kaj is the only person who attended all EPPC since their creation in July 1983 (than as European Palaeobotanical Conference in Montpellier, France)!

Even if the focus of this EPPC was clearly on palaeobotanical subjects the high quality of the talks and posters was impressive.

However, one small concern has to be mentioned here: the length of the talks (15 min.) was – in my personal view – very often too short to allow discussions on the presented studies. Also, the aisles between the presented posters were nearly always too narrow, both

something that the future organizers of the 12th EPPC could take into account in order to improve the discussion possibilities, in general. On the other hand, it was very positive, that plenty of coffee/tea pauses and extensive time for lunch discussions perfectly allowed meeting colleagues in order to go into details on their presentations and posters.



Figure 1: Opening Ceremony of the 11th EPPC in Stockholm, Sweden, on June 19, 2022.



Figure 2: Kaj Raunsgaard Pedersen (centre) and Else Marie Friis (right) discussing science during the ice-breaker on June 19, 2022.

On Monday June 20, 2022, all participants having registered for it, were invited by the City of Stockholm to attend a delicious dinner reception at the Stockholm City Hall, a very impressive building outside and inside. A

grand “thank you” for this very special experience and excellent Swedish food and drinks!



Figure 3: Dinner reception at the Stockholm City Hall by invitation of the City of Stockholm on June 20, 2022, what delicious Swedish food and drinks in an impressive setting!

Afterwards, the general talks and poster sessions continued on June 21 and 22, 2022, and were followed by general conference conclusions and the awards for the best photos presented in the “Palaeo-Photo-Competition” by Stephen McLoughlin.



Figure 4: Awarding the best photos presented in the Palaeo-Photo-Competitions by Stephen McLoughlin on June 22, 2022.

Finally, on June 23, 2022, post-conference fieldtrips were organized. I was able to join

one of them, i.e. the “Ryggmossen” fieldtrip to an exceptional true raised peat-bog ca. 30 km N of Uppsala.



Figures 5 and 6: Participants of the post-conference field trip to “Ryggmossen”, an exceptional bog area established during the Holocene, and with rare Sphagnum mosses and other mire plants, as well as bears, elks (at least we found their faeces....) and the remarkable bog micro-fauna.

The field guides Ulf Swenson and Ove Johansson did a great and excellent job in introducing a dozen of participants to the botanical and zoological secret life of such a special ecosystem and classical mire site, already studied nearly 100 years ago by G. Einar Du Rietz and J.A. Nannfeldt (1925).

Reference:

Einar Du Rietz and J.A. Nannfeldt (1925): Ryggmossen und Stigsbo Rödmosse, die letzten lebenden Hochmoore der Gegend von Upsala. Führer für die Vierte I.P.E.. *Svenska Växtsociologiska Sällskapets Handlingar* 3: 1-23.

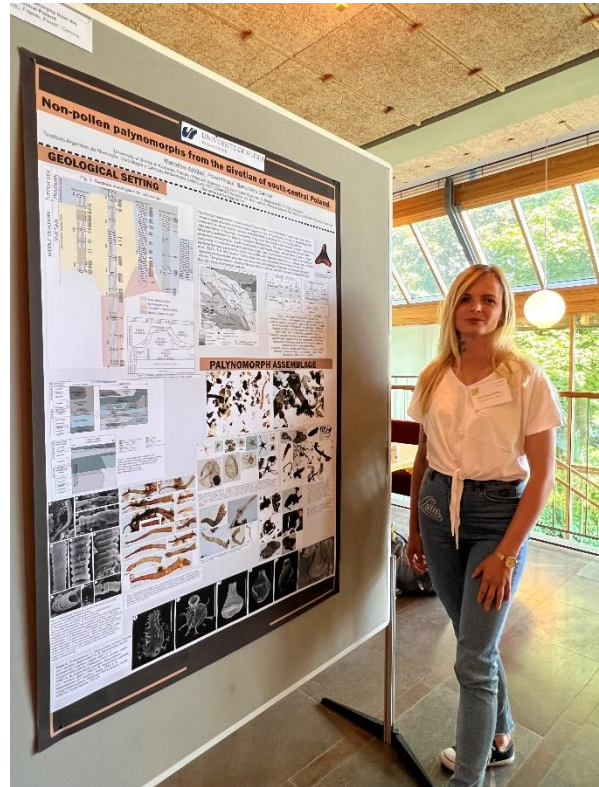
*Jean Nicolas Haas, President of the IFPS
Email: jean-nicolas.haas(at)uibk.ac.at*



Figure 7: The 240 Attendees of the 11th EPPC in Stockholm, Sweden (June 19-22, 2022).

IFPS FUNDED STUDENT REPORT ON THE 11TH EPPC CONFERENCE, STOCKHOLM, SWEDEN, JUNE 19-22, 2022

I am very grateful for IFPS supporting my attendance in 11th EPPC. I would like to express my thanks to the organizing committee. They put a lot of effort into organizing this conference and we all know how difficult it is to organize such an event in these times. During this conference I had an opportunity to present the poster “Non-pollen palynomorphs from the Givetian of south-central Poland” and the talk “The palynological record of the Taghanic Event (south-central Poland). I received a lot of valuable comments and notes and this is especially important for me now because I am about to finish my PhD thesis. I had a chance to show part of my final results that will be published soon (I hope) and it was really helpful to see what the other researchers would improve. Beside this aspect of the EPPC meeting there were many interesting talks and posters. The sessions dedicated to the Devonian and older strata were especially inspiring for the future research ideas. A lot of talks were concerning the Lower Devonian palynology and this was interesting as my next research project will be related to the Lower Devonian deposits of Poland. The talks, which were dedicated to the palynological methods of analysis, were also interesting and maybe I will apply in my research some of the methods I saw during the EPPC meeting talks. Taking part in this meeting was a great experience, especially after the pandemic break, once again-many congratulations to the organizing committee!



*Marcelina Kondas
marcelina.kondas(at)gmail.com
PhD student supported by IFPS*

NEWS AND ANNOUNCEMENTS

MEDPALYNOS SYMPOSIUM IS BACK!

The MedPalynoS Symposium will be held in presence in Italy, at Carpaccio-Paestum (Salerno, Italy), 13-15 September 2022, joint with the conference ONE HEALTH 2022.

After two years of pandemic and strict rules, the 5th congress of the Mediterranean Palynological Societies Symposium is announced by the Gruppo di Palinologia e Paleobotanica della Società Botanica Italiana (GPP-SBI), the Association des Palynologues de Langue Française (L'APLF) and the

Asociación de Palinólogos de Lengua Española (APLE). It follows the 1st edition at Rome (2015), the 2nd at Barcelona (2017) and the 3rd at Bordeaux (2019). In 2021, a successful 4th MedPalynoS virtual edition was organized in September by the Palynology and Palaeobotany Lab of Modena (see the abstract book at: <https://www.medpalynos2021.unimore.it>).

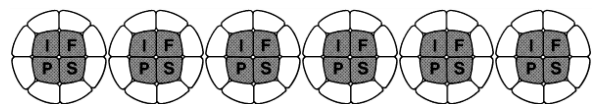


change and Aerobiology 4.0. This final session represents the “box of innovations”, where new monitoring and prevention protocols from respiratory diseases of humans and pets, new technologies, precision medicine and telemedicine will be presented. Other topics of great relevance and interest will be *Forensic Palynology* and the *Aerobiology in the Conservation of cultural heritage*.

Special attention will be given to young researchers to which a training course will be dedicated, also online, on diagnostic, clinical and environmental topics. Do not miss the “Art and Science” exhibition which will be open for the entire congress period.

Website of the OneHealth2022 at Paestum: <https://eventi.infomed-online.it/one-health-2022>

Laura Sadori: [laura.sadori\(at\)uniroma1.it](mailto:laura.sadori@uniroma1.it)
 Anna Maria Mercuri: [annamaria.mercuri\(at\)unimore.it](mailto:annamaria.mercuri@unimore.it)



The *focus* of the congress activities that will open with the 5th MedPalynoS in 2022, and which will be followed by the 16th AIA (Italian Society of Aerobiology, Environment and Medicine) Congress (15-18 September 2022), is to recognize that the human health is linked to plants, animals and environment health.

This Joint Congress will be the occasion for an excursus on **Palynology** which gradually more converges in the definition of the science of ecosystem processes and the “**One Health**” concept.

The most current studies on Pollen morphology and biology, and on Applied Palynology and palaeoecology will be presented in the sessions of: *Paleo and Archaeo-Palynology; Pollen morphology and Plant phylogenesis; Male reproductive performance, Environmental health and Biodiversity; Aero-palynology* and *climate*

FUTURE MEETINGS

2022

2022 54TH ANNUAL MEETING OF THE AASP-TPS, MANIZALES, COLOMBIA, AUGUST 7–11, 2022

The 54th AASP-TPS Meeting will take place at Manizales, Colombia, jointly organized with The Latin America Association of Paleobotany and Palynology (ALPP) and the Online Pollen Catalogues Network (RCPoL), for details see: <https://palynology.org/54th-annual-meeting-of-aasp-the-palynological->

[society-manizales-colombia-august-7th-11th-2022-54-encuentro-anual-de-la-sociedad-palinologica-de-aasp-tps-manizales-colombia-agosto-7/](https://www.inqua.org/2022-54-encuentro-anual-de-la-sociedad-palinologica-de-aasp-tps-manizales-colombia-agosto-7/)

2022 5TH MEDPALYNOS IN SALERNO, ITALY, SEPTEMBER 13-15, 2022

The 5th Mediterranean Palynological Societies Symposium will take place in Salerno, Italy this September 2022. Detailed information can be found at <https://eventi.infomed-online.it/one-health-2022> or on Page 7 in this issue of PALYNOS).

2022 9TH WORKSHOP ON NON-POLLEN PALYNOMORPHS IN POZNAŃ, POLAND, SEPTEMBER 25-28, 2022

The 9th WNPP conference will take place in Poznań, Poland, this September 2022. The first circular with detailed information can be found at the end of this newsletter (Appendix 1, page 12 in this issue of PALYNOS). Contact: NPPworkshop22@gmail.com

2022 6TH INTERNATIONAL PALAEO-TOLOGICAL CONGRESS, KHON KAEN, THAILAND, NOVEMBER 7–11, 2022

The 6th International Palaeontological Congress will take place at Khon Kaen, Thailand, from 7th to 11th November 2022. Registration is due by August 15, 2022. For more information, also concerning the 34 scientific sessions proposed, see: <https://ipc6.msu.ac.th/scientific-sessions/>

2023

2023 XXI INQUA CONGRESS IN ROME, ITALY, JULY 13–20, 2023

The next INQUA Congress will take place in Rome, Italy, from July 13-20, 2023. Registration is due by November 1, 2022. Further information and registration details

can be found in the Appendix 2 of this newsletter (page 16) and at: <https://inquaroma2023.org/> or on <https://www.facebook.com/INQUARoma2023/>

or on Twitter: @inquaRoma2023

or on Instagram: inquaroma2023

2023 INTERNATIONAL CONGRESS ON AEROBIOLOGY

The next congress of the International Aerobiology Association (IAA) will take place in the UK, but was postponed to 2023. More information in due times at <https://iaaerobiology.wordpress.com/events/congress/>, the new webpage of the IAA.

2024

2024 XV IPC / XI IOPC, PRAGUE, CZECH REPUBLIC, MAY 25–31, 2024

The newly planned date for our main palynological and palaeobotanical world conference is **May 25–31, 2024**. All necessary information concerning new terms, deadlines, payments etc. are regularly announced on the conference web-page: <https://www.prague2020.cz/index.php>.

2024 INTERNATIONAL BOTANICAL CONGRESS, MADRID, SPAIN, JULY 15–27, 2024

Earlier this year it was announced that due to the pandemic the next International Botanical Congress will be delayed one year and held in Madrid, Spain in July 2024. The dates for the rescheduled Botanical Congress are as follows:

- Nomenclature Section, July 15-19, 2024
- Congress, July 21-27, 2024

The officers of the IBC Organizing Committee are Gonzalo Nieto Feliner (President), Juan Carlos Moreno (Vice-President) and Marcial Escudero (General Secretary). The organizing

team has been working hard to form the necessary planning committees, hire the conference venue and conference management team, and prepare a website to provide details on the upcoming Congress. The Congress website is now live and additional details about the Congress will be added as they become available: <https://ibcmadrid2024.com/>

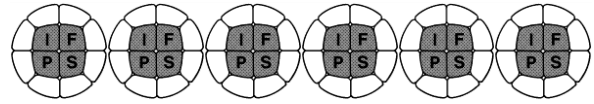
Information about the members of the Organizing Committee, Scientific Program Committee, and Advisory Committee can be found on the website.

The organizers look forward to welcoming everyone to Madrid in July, 2024!

Patrick Herendeen, Chair

Jiří Kvaček, Secretary

International Association of Botanical and Mycological Societies



CURRENT IFPS AFFILIATED SOCIETIES AND COUNCILLORS

The current list of the IFPS officers and IFPS councillors is provided below. The IFPS president (Jean Nicolas Haas), IFPS secretary-treasurer (James B. Riding), IFPS editor of *PALYNOS* (Encarni Montoya), and the IFPS Web-Master should be informed of any errors or necessary changes. Please inform the IFPS Officers of possible website or email address changes.

IFPS Officers	Affiliation	Email
IFPS President Jean Nicolas Haas	University of Innsbruck, Austria	Jean-Nicolas.Haas@uibk.ac.at
IFPS Past President Charles Wellman	University of Sheffield, UK	C.Wellman@sheffield.ac.uk
IFPS Secretary-Treasurer & President-Elect James B. Riding	British Geological Survey, UK	jbri@bgs.ac.uk
IFPS Editor of <i>PALYNOS</i> Encarni Montoya	Institute of Geosciences Barcelona, Spain	encarnacionmontoya@gmail.com
IFPS Web-Master Benjamin Dietre	University of Innsbruck, Austria	benjamin.dietre@uibk.ac.at
IFPS affiliated Societies	Acronym & Website	Councillors
American Association of Stratigraphic Palynologists – The Palynological Society	AASP – TPS http://www.palynology.org	Fabienne Marret-Davies
Arbeitskreis für Paläobotanik und Palynologie	APP https://www.palaeontologische-gesellschaft.de/ueberuns/arbeitskreise/ak-palaeobotanik-palynologie/	Martina Stebich
Arbeitskreis für Vegetationsgeschichte der Reinhold-Tüxen-Gesellschaft	AVRTG http://www.reinhold-tuexen-gesellschaft.de/	Hermann Behling
Asociación Latinoamericana de Paleobotánica y Palinología	ALPP http://www.ufrgs.br/alpp	Mercedes di Pasquo
Asociación de Palinólogos de Lengua Española	APLE https://aple.csic.es/	Pilar S. Testillano
Association des Palynologues de Langue Française	APLF https://assoaplf.wixsite.com/website	Marie-Pierre Ledru
Canadian Association of Palynologists	CAP https://capacp.wordpress.com/	Terri Lacourse
Collegium Palynologicum Scandinavicum	CPS www.palynology.info	Heikki Seppä
Commission Internationale de Microflore du Paléozoïque	CIMP http://cimp.weebly.com/	Jiří Bek
Gruppo di Palinologia della Società Botanica Italiana	GPSBI http://www.societabotanicaitaliana.it/gruppi/gruppo-palinologia-e-paleobotanica-gpp-sbi/21	Laura Sadori
International Association for Aerobiology	IAA https://iaaerobiology.wordpress.com/	Dorota Myszkowska
Linnean Society Palynology Specialist Group	LSPSG http://www.linnean.org/	Barry Lomax
Organisation of Czech and Slovak Palynologists	OCSP https://pl-pl.facebook.com/people/Ocsp-Palynology/100014125576264/	Marianna Kováčová
Palynological Association of Nigeria	PAN https://www.facebook.com/Palynological-Association-of-Nigeria-168093586579093/	Emuobosa Orijemie
Palynological Society of China	PSC http://palynology.chinapsc.cn/en/index.asp	Wei-Ming Wang
Palynological Society of Japan	PSJ http://www.psj3.org/	Hikaru Takahara
Palynological Society of Poland	PSP	Milena Obremska
Palynologische Kring (The Netherlands)	PK http://www.palynologischeskring.nl	William Gosling
Palynologists and Plant Micropalaeontologists of Belgium	PPMB https://ininet.org/palynologists-and-plant-micropalaeontologists-of-belgium.html	Philippe Steemans
Russian Palynological Commission	RPC	Elena Novenko
Society for the Promotion of Palynological Research in Austria	AUTPAL http://www.autpal.at	Reinhard Zetter
The Micropalaeontological Society Palynology Group	TMS http://www.tmsoc.org/paly.htm	Phil Jardine
The Palaeobotanical Society India	PBS http://palaeobotanicalsociety.org	Rama S. Singh
Turkish Committee for Palynology	TCP	Zühtü Bati
Affiliation/Membership of the IFPS at the:		
<i>International Union of Geological Societies</i>	<i>IUGS</i>	Lucy Edwards
<i>International Union of Biological Societies</i>	<i>IUBS</i>	Jean Nicolas Haas (ad interim)
Former Societies of the IFPS:		
International Association for African Palynology	AIPA/IAAP	
Palynological and Palaeobotanical Association of Australia	PPAA	
Philippine Palynological Society	PPS	

13th June 2022

9TH WORKSHOP ON NON-POLLEN PALYNO MORPHS

25-28. SEPTEMBER 2022, POZNAŃ, POLAND

1st circular

Organizers: Monika Karpińska-Kołaczek, Piotr Kołaczek, Mariusz Lamentowicz, Katarzyna Marcisz & Beata Messyasz

from

Climate Change Ecology Research Unit, Adam Mickiewicz University,
Poznań, Bogumiła Krygowskiego 10, 61-680 Poznań, Poland



and

Department of Hydrobiology, Adam Mickiewicz University, Poznań,
Uniwersytetu Poznańskiego 6, 61-614 Poznań, Poland

with the support of



Polish Limnological Society, Lwowska 1 LOK. 247, 87-100 Toruń, Poland

and the patronage of

Deans of the Faculty of Geographical and Geological Sciences & Faculty of Biology AMU

Contact: NPPworkshop22@gmail.com

Register via: [Registration form](#)

*If you have problems with the form, let us know, and we will send it to you in .doc format

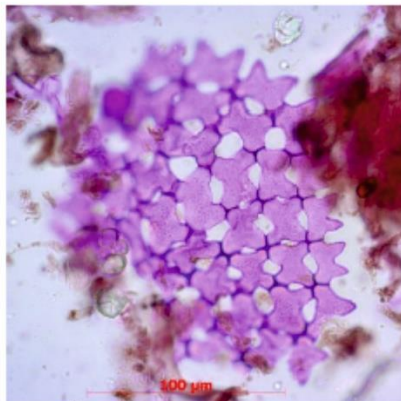
Scope of workshop

Modern environmental reconstructions based on peat and lacustrine sediments require the simultaneous application of several biotic proxies. Pollen analysis is among the oldest and most commonly used methods in palaeoecology. Thanks to pollen grains and some cryptogam spores, it enables the reconstruction of vegetation and human impact in the past. Non-pollen palynomorphs (NPPs) are organic structures such as fungi, algae, parts of invertebrates, and others, accompanying pollen on slides subjected to a microscope analysis. Many NPPs have recognised indicative value, for some of them, it is unknown, but still, many have their potential weakly investigated. However, thanks to NPPs, we may already, e.g. broaden our knowledge on herbivore pressure in ecosystems (sometimes



Fungus *Tetraploa aristata* (M. Karpińska-Kołaczek)

connected to increased pastoral activity), find traces of parasitic fungi attacks or detect fluctuations in the water table. New NPP types are introduced each year, so the joint effort of

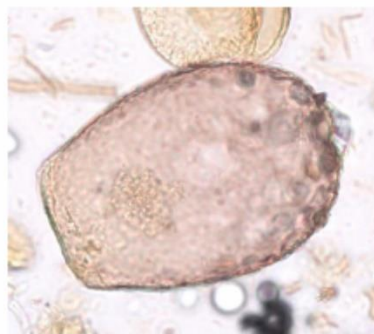


Alga *Pediatrum duplex* (M. Karpińska-Kolaczek)

taxonomists, ecologists, palaeoecologists, paleobotanists, protistologists, and other specialists is needed to decipher and test their indicative value. The workshop will provide an excellent opportunity for meeting people who deal with NPPs, a chance to identify the mysterious NPP types found on your pollen slides and discuss them with specialists.

We feel the effects of global warming every day. The ecosystems, which we use as palaeoecological archives, also suffer from this phenomenon. Among them are peatlands that are unique carbon sinks when they are 'healthy'; however, drained or dried out, they become emitters of greenhouse gases. A trace of carbon dioxide release from a peatland might be a greater abundance of fungi decomposing organic matter. On the other hand, the appearance of different algae or testate amoebae may tell us about peatland inundation and the rate of organic matter decomposition. These groups are at least partly detectable during classical pollen analysis as NPP types.

Hence, the critical part of the workshop will be the training in identifying cyanobacteria, algae and testate amoebae and learning their indicative potential. To present peatlands and global warming issues, we plan a day trip to the Rzecin mire (Greater Poland, Western Poland). This site is unique not only because of the exceptional peatland biodiversity but also because of the ongoing manipulative global warming experiment and eddy covariance carbon flux infrastructure.



Amoeba *Heleopera rosea* (M. Karpińska-Kolaczek)

Nevertheless, peatland studies represent only one aspect of research where NPPs are helpful. So then, if you have exciting NPPs, from various deposits, archaeological excavations, etc., and you need help identifying them or interpreting their presence, the workshop will provide such an opportunity. It would also be great if you would like to share your research or knowledge on various groups of NPPs with us. Everyone, who works with NPPs and would like to know more about them, is invited. However, remember that the number of participants is limited to 40. The order of submissions is decisive.

Preliminary plan

25.09 – Sunday

16:00-18:30 – On-site registration and distribution of conference materials at the Faculty of Geographical and Geological Sciences

19:00-22:00 – Icebreaker Party at Piwna Stopa Pub (Poznań City Center) – Grill and Beer ☺

26.09 – Monday (Faculty of Geographical and Geological Sciences AMU)

9:00-11:00 – Oral presentations 1

11:00-11:15 – Coffee break

11:15-13:15 – Oral presentations 2

13:15-14:00 – Lunch

14:00-16:00 – Oral presentations 3

16:00-16:15 – Coffee break

16:15-18:00 – Poster presentations



Rzecin peatland (M. Lamentowicz)

27.09 – Tuesday

8:00-16:00 – Trip to Rzecin peatland (lunch packet included)

18:00 – Dinner in the Brovaria Restaurant (Poznań City Centre)

28.09 – Wednesday (Faculty of Biology AMU)

9:00–11:00 – Microscope session 1 – Algae (Coordinator: Beata Messyasz)

11:00-11:15 – Coffee break

11:15-13:15 – Microscope session 2 – Testate amoebae (Coordinator: Mariusz Lamentowicz)

13:15-14:00 – Lunch

14:00-16:00 – Microscope session 3 – Non-pollen palynomorphs (Coordinator: Monika Karpińska-Kolaczek)

16:00 – End of workshop

Registration and fee

- ❖ The workshop is limited to 40 participants.
- ❖ 30.07 - a deadline for applications (see registration form)
- ❖ 15.08 - a deadline for payment and abstract submission
- ❖ Please send the abstracts to NPPworkshop22@gmail.com (main body limited to 3000 characters with spaces, one figure is accepted)
- ❖ The regular fee is 200 €
- ❖ MSc and PhD students get a reduced fee of 160 €
- ❖ The fee covers the cost of the Icebreaker party, trip, dinner in a restaurant, coffee breaks, lunches, and conference materials. The cost of your stay in Poznań is not included.

Presentation details

Presentations are encouraged to be 15 minutes long (there will be extra 5 minutes for questions and discussion). The preferred poster format is size A0 (vertical position).

Payment

NICOLAUS BANK SPÓLDZIELCZY W TORUNIU

IBAN: PL 63 9511 0000 0000 0263 2000 0010

SWIFT: GBWCPLPP

Address: Polskie Towarzystwo Limnologiczne, Lwowska 1 LOK. 247, 87-100 Toruń, Poland

In the transfer title, please include your surname and an add notation – NPPworkshop (e.g. Kołaczek NPPworkshop)

Logistics:

Venue: Faculty of Geographical and Geological Sciences AMU, B. Krygowskiego 10, 61-680 Poznań

On Wednesday, we meet at the Faculty of Biology AMU, Uniwersytetu Poznańskiego 6, 61-614 Poznań

Icebreaker: Piwna Stopa Pub, Szewska 7, 61-760 Poznań (<https://piwnastopa.pl/en/home/>)

Dinner: Brovaria Restaurant, Stary Rynek 73-74, 61-772 Poznań (<https://brovaria.pl/>)

Trip: We start and end our trip at the Faculty of Geographical and Geological Sciences, B. Krygowskiego 10, 61-680 Poznań

Map: https://www.google.com/maps/d/u/0/edit?mid=1VCKMMNWIqfwn-3ujR41nVNIEm_2BLjA&usp=sharing

XXI INQUA CONGRESS 13-20 JULY 2023

SAPENZA UNIVERSITY OF ROME



XXI INQUA CONGRESS

"TIME FOR CHANGE"

<https://inquareoma2023.org/>

info@inquareoma2023.org

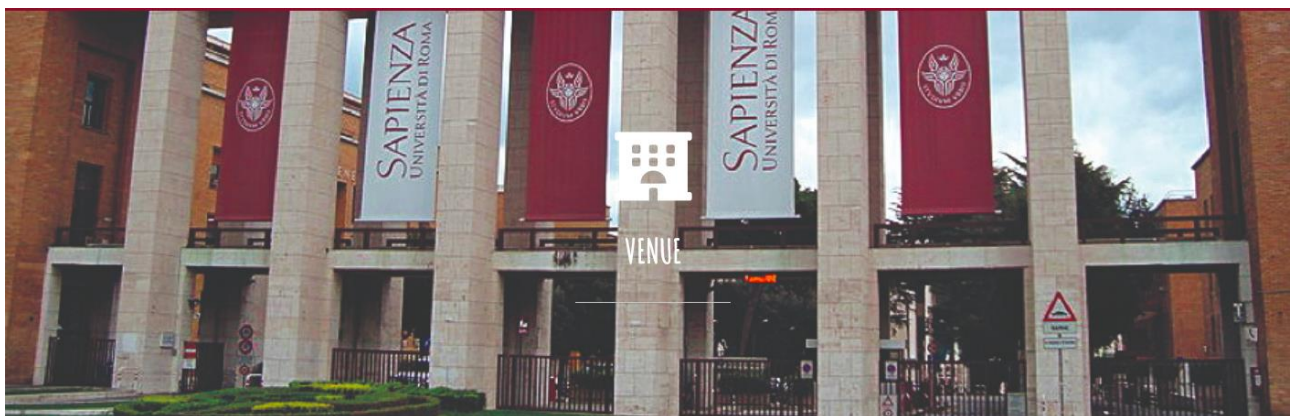
The XXI INQUA Congress will be held in Rome (Italy) in summer 2023 (13-20 July) and will focus on “a Mediterranean perspective on Quaternary Sciences” to highlight the extreme relevance that Quaternary disciplines have in geologically-active and environmentally-critical regions.

The second circular (<https://inquarema2023.org/2022/05/17/second-circular/>) is available at the conference web site (<https://inquarema2023.org/#intro>).

More than 200 scientific sessions have been proposed in agreement with the themes of the 5 INQUA Commissions. The call for abstract will be open until 1st November 2022.

The theme of our congress is “Time for Change” to emphasize the critical role of Quaternary sciences in contributing the knowledge we need to face current societal and climate challenges. In fact, the understanding of the global changes cannot be achieved without the scientific knowledge of how Earth has changed during the recent geological past. As such, it is very appropriate to convene the international Quaternary community in Italy; the Mediterranean region is so geologically young and active, it is the ideal location to discuss the process and events that shaped the landscape, environments and ecosystems over the last 2.58 million years.

The congress will take place 70 years after the 4th INQUA Congress, held in 1953 in Rome and Pisa. The 2023 venue will be the Sapienza University main Campus (conveniently located in the central east of Rome, close to main train and subway stations) in order to present our research in a friendly university environment with reduced registration fees. Moreover, in 2023 we will join celebrations with special events commemorating the 720th year since the foundation of Sapienza University and the 150th anniversary of the Italian Geological Survey.



Italy and the Mediterranean region are an encyclopedia of Quaternary Sciences that will be on display during the proposed fieldtrips. Pre-congress (19), mid-congress (9) and post-congress (7) fieldtrips will be held in Italy and in some other Mediterranean Countries. Fieldtrips will run both prior to and after the XXI INQUA Congress. Please consider that we will be in full tourist season especially after the Congress so that the number of pre-Congress fieldtrips is greater than post-Congress. There will also be various one-day mid-congress trips on Sunday 16 July, both in Rome and its surroundings. The deadline for fieldtrip registration is 20 February 2023.

PRE-CONGRESS FIELDTRIPS

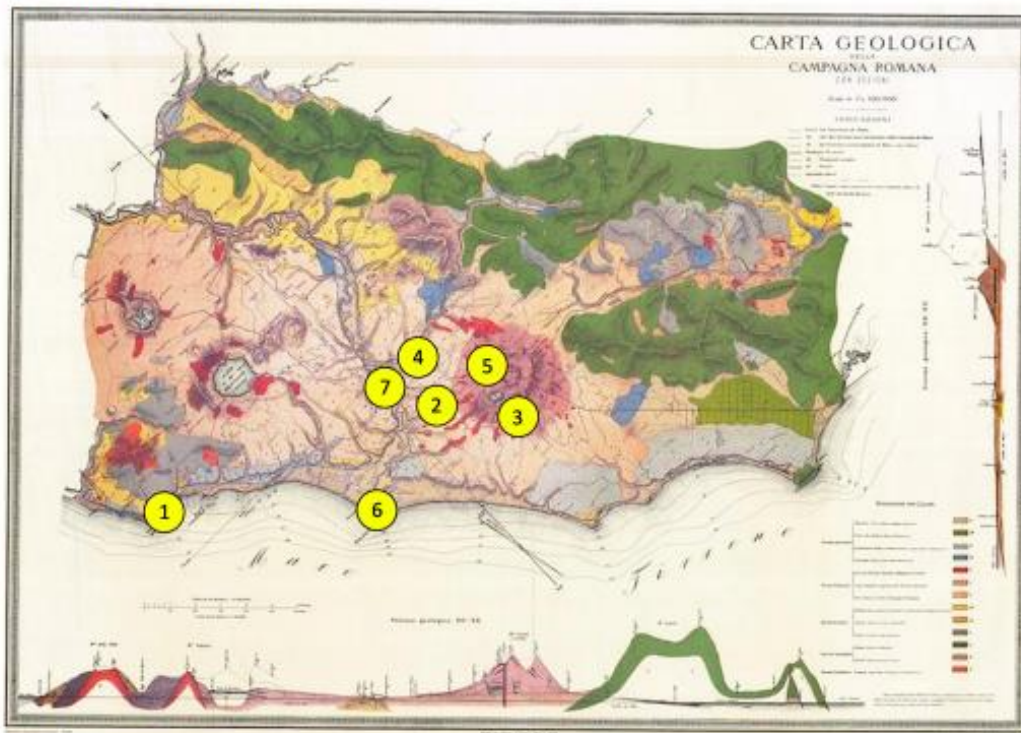


- 1) Late Pleistocene-Holocene uplift and active tectonics at the southern margin of the Central Anatolian Plateau (Southern Turkey). **Cosentino et al.**
- 2) Late Quaternary landscapes and palaeoenvironments through the Mediterranean and the Alps. **Ollivier et al.**
- 3) Pleistocene slope, shallow-marine and continental deposits of eastern central Italy wedge-top basin: a record of sea-level changes and mountain building. **Celma et al.**
- 4) Life with geohazard at the contact of the Alps, the Dinarides and the Pannonian Basin. **Jamšek Rupnik et al.**
- 5) Palaeolithic Cave deposits and Karst evolution in the Venetian Pre-Alps. **Peresani and Sauro**
- 6) Large landslides, climate changes and human impact in the Italian Dolomites since the Lateglacial. **Soldati et al.**
- 7) The Bradanic Trough: stratigraphic response to subsidence, shortening and uplift of the Quaternary south-Apennine's foreland-basin. **Tropeano et al.**
- 8) LGM and Lateglacial at the southern end of the Alps (Maritime Alps). **Ribolini et al.**
- 9) Decoding Upper Pleistocene in Sardinia (Western Mediterranean). **Orru et al.**
- 10) Palaeogeographical evolution of the Egadi Islands (western Sicily, Italy). Implications for Late Pleistocene and Early Holocene sea-crossings by humans and other mammals. **Antonoli et al.**
- 11) Active Tectonics, Earthquake Geology, Palaeoenvironment and Quaternary sequences: A transverse along the Corinth Gulf Rift to Zakynthos Island. **Papanikolaou et al.**
- 12) Santorini island (Greece): four days in a volcano. **Nomikou et al.**
- 13) Quaternary glacialism of the Aosta Valley: a transept from the Ivrea end moraine system to the Monte Bianco Massif. **Gianotti et al.**
- 14) A tour through volcanology and archaeology at the Neapolitan volcanoes. **Petrosino et al.**
- 15) Geology, Geomorphology in active zones, Archaeology in active zones. **Doumaz et al.**
- 16) MIS 5, Relative Sea-level, U/Th dating, Cave stratigraphy, Archaeology. **Isola et al.**
- 17) Palaeosols across the N. Apennines: insights into the Late Quaternary dynamics of an active orogen. **Andretta et al.**
- 18) The Lower Pleistocene of Ionian Calabria (Southern Italy) and the Vrica GSSP. **Capraro and Maiorano**
- 19) The Middle Pleistocene to Early Holocene of southern Apulia (southern Italy). **Sardella et al.**

- 1) Active tectonics and major seismicity in Central Italy. **Gori et al.**
- 2) When tectonics and climate take over: Quaternary depositional history of extensional Tuscan basins. **Bertini et al.**
- 3) Glacial history of Croatian Dinarides. **Ljerka Marjanac et al.**
- 4) LGM glacial and glaciofluvial environments in a tectonically active area (southeastern Alps). **Monegato et al.**
- 5) The Quaternary evolution of Sulmona basin, central Italy. **Giaccio et al.**
- 6) Drainage system adjustment in response to the opening of the Rieti intermontane basin. **Fubelli et al.**
- 7) Quaternary archives in the Northeastern Adriatic karst environments. **Furlani et al.**
- 8) Holocene marine and lake landscapes of Dalmati- the National Parks Krka and Kornati. **Slobodan et al.**
- 9) Messinian/Zanclean, Zanclean/Piacenzian and Piacenzian/Gelasian GSSPs in Sicily. **Caruso et al.**



MID-CONGRESS FIELDTRIPS



1875 Geological Map of the Rome region after P. Mantovani. The map is made of mainly Quaternary deposits: Pleistocene volcanoes (pink to reddish), eolianites (gray), coastal marshland (light green), travertine (blue), Holocene Tiber River delta

- 1) Late Holocene sea-level changes and the Roman fish tanks (Civitavecchia). **Enei et al.**
- 2) The INGV National earthquake center. **Stramondo et al.**
- 3) The secrets of the Albano crater lake. **Anzidei et al.**
- 4) Archaeoseismological evidence of past earthquakes in Rome. **Galadini et al.**
- 5) Volcanology of Roma. **Palladino et al.**
- 6) Late Holocene evolution of the Tiber River delta plain. **Mazzini et al.**
- 7) Rome before Rome: a river among two volcanoes. **Pantaloni et al.**

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We welcome news items, reports on society activities, reviews etc. and members should forward these to the newsletter editor:

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