

# PALYNOS

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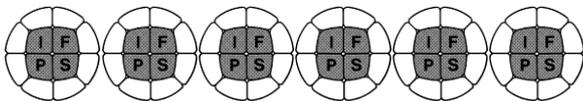
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NEWSLETTER OF THE INTERNATIONAL FEDERATION OF PALYNOLOGICAL SOCIETIES

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## IFPS BUSINESS

### NEW IFPS PRESIDENT

In late October 2016, at the 'Meeting of the Incoming Council' during the IV International Palynological Congress (IPC) in Salvador, Brazil, the new board of the International Federation of Palynological Societies (IFPS) was confirmed and consists now of Jean Nicolas Haas (IFPS President), James Riding (IFPS Secretary-Treasurer), Encarni Montoya (IFPS Newsletter Editor of PALYNOS), Owen Davis (IFPS Web-Master), and Charles Wellman (IFPS Past President).



*Jean Nicolas Haas (Institute of Botany, University of Innsbruck, Austria; left), the new President (2016-2020) of the International Federation of Palynological Societies, together with Dr. Limi Mao (Nanjing Institute of Geology and Palaeontology, China) during the IV IPC – X IOPC in Salvador, Brazil, October 2016 (Photo by courtesy of Limi Mao).*

In addition, lots of current and newly elected councillors of IFPS-affiliated societies were presented in Brazil (see photo on next page, as well as personal sketches of new councillors elected for 2016-2020 below).

As newly elected IFPS president for the board period of 2016-2020 it is therefore a great pleasure for me – Jean Nicolas Haas – to write this introduction and to present myself.



*The new board members of the International Federation of Palynological Societies (2016-2020) and councillors of affiliated societies present at the IPC-IOPC in Salvador, Brazil, in late October 2016. From left to right: Jean Nicolas Haas (IFPS President), Hikaru Takahara (PSJ), Charles Wellman (IFPS Past President), Wei-Ming Wang (PSC), Martina Stebich (APP), Barry Lomax (LSPSG), Philippe Steemans (PPMB), Fabienne Marrret-Davies (AASP-TPS), Laura Sadori (GPSBI), Timme Donders (PK), Marie-Pierre Ledru (APLF), James B. Riding (IFPS Secretary-Treasurer), Encarni Montoya (IFPS PALYNOS Newsletter Editor), and Mercedes di Pasquo (ALPP). Not on the Photo: Hermann Behling (AVRTG), Elena Novenko (RPC).*

My palynological-palaeoecological studies started with my PhD at the University of Basel, Switzerland, more than 25 years ago together with the late Prof. Dr. Heinrich Zoller and with Prof. Dr. Stefanie Jacomet, followed by SNF funded postdoctoral research at the Prof. Dr. J.H. McAndrews laboratories at the Royal Ontario Museum and at the UoToronto, Canada, and subsequent stays at the Univ. of Leiden (The Netherlands) and the National Museum (NNU) in Copenhagen (Denmark).

Since 2000, I am now appointed as professor at the Institute of Botany of the University of Innsbruck, Austria, with a research and teaching focus on palynology and palaeoecology. In my personal interests, I am focussing on Quaternary phytodiversity changes on the Northern Hemisphere, both in aquatic and terrestrial biomes. My palynological research was hereby, for example, centered on disen-

tangling climatic from human impact on Late Quaternary environments. Apart from pollen, spores and macrofossils my special interests go to other microfossils such as 'non pollen palynomorphs', i.e. cysts from snow algae, spores from fungi (such as coprophilous ones or those found in anthropogenic layers from Neolithic pile dwellings, e.g. truffle spores), oocytes from Neorhabdocoela worms etc., which for a long time were neglected in modern palynological studies.

My past and current research projects are/were regularly run in close collaboration with colleagues from archaeology, dendrochronology, geography, geology, sedimentology, and zoology (among others), and dealing with e.g. the Sangamonian/Eemian Interglacial stratigraphies at Fernbank (New York, USA), with the environmental impact of Neolithic and Bronze Age pile-dwellers in Austria, Switzerland and Poland, with environmental

catastrophes during the Holocene such as the hemlock (*Tsuga canadensis*) decline 5700 years ago in S Ontario (Canada), with the impact of Holocene mega-scale snow avalanches on the subalpine vegetation in Tyrol (Austria), or with the history of mountain agriculture and pastoralism in the high-altitudes of the European Alps or of the Massif Central in France.

Given my expertise as IFPS Councillor for CAP (2004-2012), and as PALYNOS editor (2008-2016) I plan to act on the following subjects during my president term:

- a) *Promoting the IFPS activities to include more young, active and motivated palynologists into IFPS affiliated societies,*
- b) *keeping the high-level of IFPS student funding to sustain young palynologists for attending the large International palynology conferences,*
- c) *trying to give impulses for the re-creation or re-activation of a Palynological Society in the Australian-Pacific area, the only continent were no palynological society currently exists, and*
- d) *compiling a comprehensive list of institutions where teaching of all fields of palynology exists, in order to promote our field for students and the public interested in palynology.*

In this latter context, it would be very helpful to know more about laboratories, departments or universities where teaching of palynology on bachelor, master or PhD level is performed, so please help me to compile such a world-wide list, and send me your according information, study curricula, etc., or present your institution with a short sketch for publication in PALYNOS!

Thanks a lot in advance, and please be aware: PALYNOS is YOUR medium for the propagation of palynological issues, so please send your text and figure items to our newsletter editor E. Montoya  
(encarnacionmontoya(at)gmail.com)!

*Jean Nicolas Haas, IFPS President*  
(Jean-Nicolas.Haas(at)uibk.ac.at)

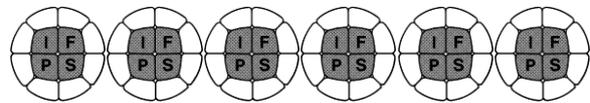
## Message from the PALYNOS editor

This is just a short note to thank former PALYNOS editor, Jean Nicolas Haas, for his wonderful job over the last 8 years editing this newsletter, and as new IFPS president, thank him again for his trust in me taking his previous role.

I hope to have the same great relationship with the 24 palynological societies' councillors as Jean Nicolas has had, and together, to continue improving our newsletter and offering the latest news and events related to the palynology field.

Finally, I want to warmly invite you all to contribute by sending me items you may consider interesting.

*Encarni Montoya, PALYNOS editor*  
(encarnacionmontoya(at)gmail.com)



# Presentation of new IFPS officers and councillors

## IFPS officers

### **ENCARNI MONTOYA** (PALYNOS editor, IFPS officer)

Encarni Montoya is a research fellow at the Institute of Earth Sciences “Jaume Almera” (CSIC) in Barcelona, Spain. She obtained her Degree in Biology at the University of Murcia (Spain), and Master and MSc were coursed at the Autonomous University of Barcelona. In 2011, she obtained the extra award for best PhD in the same university, and became afterwards a post-doc at the Botanic Institute of Barcelona (CSIC-ICUB). She was a NERC Research Fellow at The Open University (2012-2015), in the UK, and currently holds a Beatriu de Pinós-Marie Curie Action fellowship in her present institution. Encarni’s main interests are related to study the interaction between climate, vegetation and humans, as well as the effect of other environmental drives such as volcanic activity on the biota.

For this, she analyses the ecosystem dynamics of the last 50,000 years, primarily through recording potential vegetation responses. Her main study area is northern South America, mostly Venezuela and Ecuador, embracing different ecosystems from the high Andes till the lowland Amazonia or coastal deltas.



Within her interests, she is keen in investigating about two main topics: i) the usefulness of non-pollen palynomorphs in routinely palynological analyses from an ecological perspective, and ii) the relationship between humans and plants, especially palms. She is also active in other international associations, such as the International Union for Quaternary Research (INQUA), being the newsletter editor of the Humans and Biosphere Commission (HabCom) from 2012 until 2015, and the secretary of this commission for the current inter-congress period (2015-2019). Other professional networks include BES, AEET, AMIT, AASP or Ecore3 PAGES WG. Encarni is a regular reviewer since 2011 in the most important journals of the field, and performs editorial duties in several journals including 2 FRONTIERS sections and PALYNOLOGY.

Research gate:

[https://www.researchgate.net/profile/Encarni\\_Montoya](https://www.researchgate.net/profile/Encarni_Montoya)

Blog: <https://mauritiastories.wordpress.com>

## **IFPS councillors (in alphabetical order)**

### **ZÜHTÜ BATI** **Turkish Committee for Palynology, TCP**



Zühtü Batı was born in Samsun, Turkey on April 19, 1962. He obtained his BSc, MSc (focused on Paleozoic-Mesozoic Foraminifera) and Phd (focused on Tertiary palynology and coal geology of the Thrace Basin) Geological Engineering Department of the Middle East Technical University (METU), Ankara, Turkey in 1984, 1987, and 1996, respectively. He worked as a graduate assistant from 1985 to 1986 in the same department. Then he joined to Turkish Petroleum Corporation (TPAO) Research Center in early 1986, and began to work as Junior Palynologist. Zühtü Batı worked for 23 years in the TPAO Reserach Center as Junior and Senior Palynologist and Stratigraphy Department Manager. During this time, he was involved in many domestic onshore and offshore projects of TPAO in Turkish sedimentary basins and, in international projects ranging from Azerbaijan, Kazakhstan, and Turkmenistan covering Mesozoic and Tertiary sediments. Then he moved to TPAO Exploration Department in 2009 and worked as Technical Advisor, Project Manager for the Western Black Sea Offshore Project between 2009-2013. Then he was appointed as the Black Sea Exploration Manager of TPAO and leded onshore and offshore exploration projects.

Zühtü Batı is currently leading the Black Sea and Central-Eastern Anatolian exploration projects of TPAO as Deputy Exploration Manager and teaching in METU as a part time instructor since 2007. His areas of interest include Tertiary palynology (spores, pollen, dinoflagellates, and fungal spores), paleoclimatology, coal and petroleum geology and stratigraphy. He is married and has a 21 years old son.

*Zühtü Bati, Turkish Petroleum Exploration Department (bati(at)tp.gov.tr)*

### **HERMANN BEHLING** **Arbeitskreis für Vegetations- geschichte der Reinhold-Tüxen- Gesellschaft, AVRTG**



Hermann Behling is Professor of Botany at the University of Göttingen and head of the Department of Palynology and Climate Dynamics. He received his Dr. rer. nat. in biology at the same University in 1991, working two years with a scholarship (DAAD) in Rio de Janeiro, Brazil. He had a post-doc at the Smithsonian Tropical Research Institute (STRI) in Panama (1993–1995) with Paul Colinvaux and a post-doc at

the University of Amsterdam in The Netherlands (1995–1998) with Henry Hooghiemstra. He did his “habilitation“ in Botany at the University of Bremen, Germany in 2000. He was scientific researcher at the Center for Tropical Marine Ecology (ZMT) in Bremen and Geosciences/MARUM at the University of Bremen from 2000–2005 before he got his professorship. Major research interests are late Quaternary palaeoenvironmental studies including, past vegetation and biodiversity dynamics, climate change, fire history, past human impact, settlement and land use change, in different regions of Europe, South and Central America, Asia and Africa. He did palaeoecological studies of different ecosystems such as lowland and mountain rainforests, dry forests, savannas, mangroves, grasslands and temperate forests. In Brazil he worked on the Atlantic rainforest, Amazon rainforest, Cerrado, Araucaria forest, Campos and Campos de Altitude. He is author and co-author of more than 200 papers, mostly in international scientific journals.

<http://www.uni-goettingen.de/en/72074.html>

*Hermann Behling, Department of Palynology and Climate Dynamics, University of Göttingen, Germany (hbehlin(at)gwdg.de)*

## **MARIANNA KOVÁČOVÁ** **Organization of Czech and Slovak** **Palynologists (OCSP)**

Marianna Kováčová obtained her PhD at the Comenius University in Bratislava (Slovak Republic) in 2004, focusing on Miocene Palynology of the Vienna Basin in order to characterize palaeovegetation and palaeoclimate evolution in the northern part of Central Paratethys.



Since completing her PhD, she works at the Department of Geology and Palaeontology, as an assistant of professor. She is involved in teaching of General Palaeontology, Micropalaeontology, Systematic Palaeobotany and Palaeoclimatology in the study programmes in bachelor (Geology; Palaeobiology) and master (Palaeontology, Dynamic Geology) level. Her research activities within the national and international projects are focused on the pollen analysis and palynofacial analysis of the Miocene and Pliocene sediments from Central Paratethys and Central Anatolia and palaeovegetation and palaeoclimate reconstruction. Marianna became in 2016 the councillor of Organization of Czech and Slovak Palynologists (OCSP) in IFPS.

<http://geopaleo.fns.uniba.sk/eng>

*Marianna Kováčová, Dept. of Geology and Palaeontology, Faculty of Natural Sciences, Comenius University, Slovak Republic (kovacova(at)fns.uniba.sk)*

## GILDA LOPES

### Commission Internationale de Microflore du Paléozoïque, CIMP

Gilda Lopes is a post-doctoral fellow in the Department of Earth Science at the University of Bergen (Norway).



Gilda Lopes earned her PhD degree in 2013 from the University of Algarve, Portugal, focusing on Paleozoic biostratigraphy (acritarchs and spores), stable isotopes and organic maturation. She continued her research at the Portuguese Geological Survey working on Permian palynology from Mozambique. In May 2014, she moved to Norway where she accepted a post-doctoral position at the University of Bergen. The main aim of her project is developing a palynostratigraphic framework for the Mississippian succession of the Barents Sea. She is also interested in the study of palynofacies methodologies, and is co-supervising a master thesis in this field. She is currently the Spore and Pollen sub-commission secretary for the Commission Internationale Microflore Paléozoïque (CIMP).

*Gilda Lopes, Department of Earth Science  
University of Bergen (Gilda.Lopes(at)uib.no)*

## FABIENNE MARRET- DAVIES

### American Association of Stratigraphic Palynologists – The Palynological Society, AASP-TSP

Fabienne Marret-Davies is an Associate Professor in the School of Environmental Sciences (in the department of Geography and Planning) at the University of Liverpool (UK).



After her PhD studies in Bordeaux on the palaeoclimate of West Equatorial Africa for the Late Quaternary, she spent a few years in Montreal (GEOTOP), with Anne de Vernal to further study the recent and past distribution of organic-walled dinoflagellate cysts for quantitative and qualitative reconstructions of sea-surface conditions. In 1997, she was a research fellow at the School of Ocean Sciences in Bangor (UK) where she further studied land-ocean interactions in the east equatorial Atlantic using marine palynology as a tool. Still based in Bangor, she received in 1999 an EU-Marie Curie Grant to study the Holocene of the Celtic Sea based on dinoflagellate cysts and biomarkers, and in 2001, a Leverhulme Trust funded project allowed her to carry on working on late Quaternary climate changes in west equatorial Africa. In 2005, she moved to the University of Liverpool as a Lecturer in Physical Geography. Her research interests range from modern and fossil dinoflagellate cysts as well as pollen and other NPPs, from polar to tropical environments, from oceans to inland seas for the Quaternary period. She is particularly interested in the relationship between recent dinoflagellate cyst distribution

and oceanographic conditions as a tool to reconstruction the past and is also involved in the on-going development of a modern database for dinoflagellate cyst assemblages. Her recent research was focused on the Holocene of the Black Sea as well as the Caspian Sea, looking at the timing and amplitude of the reconnection between the Black Sea and the Mediterranean Sea at the beginning of the Holocene. In parallel, she is looking into the dinocysts and NPP records of the Holocene of Antarctica as well as interglacials in the Pacific Ocean. She was a board member of the APLF (Association des Palynologues de Langue Française) from 2005-2010, Chair of Palynology for the Micropalaeontological Society from 2010 to 2015, and now the TMS Special Publications Editor. She was a Director-at-Large for the American Association of Stratigraphic Palynologists (AASP) from 2013 to 2015 and since 2015 is the AASP Webmaster. She is also on the Editorial board for Palynology, Marine Micropalaeontology, Revue de Micropaléontologie, an Associate Editor for The Holocene, and an Editor for Global and Planetary Change.

*Fabienne Marret, School of Environmental Sciences, University of Liverpool*  
(f.marret(at)liverpool.ac.uk)

## **MERCEDES di PASQUO** **Asociación Latinoamericana de** **Paleobotánica y Palinología, ALPP**

Mercedes di Pasquo is a senior researcher at CONICET (Argentina).



Mercedes di Pasquo received her PhD in 1999 from the University of Buenos Aires (UBA) in Argentina. In 2002, she became a permanent researcher of CONICET. Her work has been initially focused on Argentina, Bolivia and Perú, with the goal of establishing palynological-based ages for strata that have poor or no megafossil content, especially during the period of teaching and researching in the University of Buenos Aires and CONICET (1998-2009). In 2009, she was a Fulbright Research Fellow at the University of Idaho. Since 2010 she has been an affiliate associate professor in the Department of Geological Sciences, University of Idaho (Moscow, Idaho, USA), collaborating on the study of Upper Palaeozoic palynofloral changes in Bolivia and Argentina during the Gondwanaland glaciation. During 2010, she became a Senior Researcher CONICET, and transferred to the CICYTTP in Diamante, Entre Ríos, Argentina. There she founded the Palynostratigraphy and Palaeobotany Laboratory, where she is in charge of the laboratory for processing and microscopic analysis for palynology and other related things (paleobotany and invertebrate collections), and scholars that carry out research under her supervision.

Mercedes was a special researcher with the Brazilian Program 'Science without borders' CNPq 2013\_2014. She worked at the UFRGS (Porto Alegre) and UNISINOS (Sao Leopoldo, Brazil) on the Carboniferous and Permian palynofloras of the Parana Basin and

its comparison to South American basins. Since 2000, she has been a consultant to the oil industry and worked on palynostratigraphic and palaeoenvironment issues from different intervals of the Phanerozoic in South America.

Her expertise is in the palynology (and megafloras) of the Silurian to Permian, Cretaceous and Cenozoic of South America, the Devonian and Carboniferous boundary of Montana (USA), the Holocene of the Entre Ríos Province and the Devonian plant fossils of Bolivia-Argentina. Particularly, it is important for establishing good correlations with other glacially-influenced outcrops in Bolivia and northern Argentina the study of the Devonian to Pennsylvanian units from the Pando and Manuripi (Bolivia) cores.

On behalf of the *Asociación Latinoamericana de Paleobotánica y Palinología* (ALPP 2009-2020, [www.ufrgs.br/alpp](http://www.ufrgs.br/alpp), [alpaleobotanicapalinologia.blogspot.com](http://alpaleobotanicapalinologia.blogspot.com)), as its president she supported the organization of the *XVI Simposio Argentino de Paleobotánica y Palinología*, <http://www.xvisapp.fcny.unlp.edu.ar/index.html>, which was held at La Plata city (Buenos Aires Province, Argentina), in may 26th to 29th 2015. In 2016, she collaborated with the organizers of the The IPC / IOPC 2016 "*Palaeobotany and Palynology: towards new frontiers*", as coordinator of Symposiums "New insights on associated Paleozoic to Cenozoic floras and palynofloras from Gondwana" together with Roberto Iannuzzi and were she presented several contributions, as well as in the *Reunión Anual de la APA* 2016 in Rio Negro (Argentina), the GSA2016 (<http://www.geosociety.org/Sections/rm/2016mtg/>) and the AASP Meeting 2016 in Houston (USA) related to different subjects

## LAURA SADORI

### Gruppo di Palinologia della Società Botanica Italiana, GPSBI

Laura Sadori is a professor in the Department of Environmental biology at Università "La Sapienza" of Rome (Italy).



She was first educated at Università "La Sapienza" (degree in Natural Sciences), then at Universitat Autònoma de Barcelona (Master in Botany and European PhD in Biology, option Botany).

The research activity of Laura Sadori led her to publish on international prestigious journals, with continuous production, in the last 30 years (Scopus Author ID: 6602494875, ORCID ID: [orcid.org/0000-0002-2774-6705](http://orcid.org/0000-0002-2774-6705), ResearcherID: [researcherid.com/rid/E-4774-2015](http://researcherid.com/rid/E-4774-2015)).

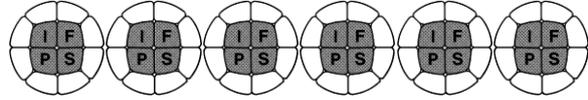
Laura Sadori carries out palaeoecological studies, focusing on research aimed at palaeoenvironmental and palaeoclimatic reconstructions in the Mediterranean basin. Her research centres on understanding the response of flora and vegetation to variations in climatic forcing using long pollen records. She is also interested in evaluating the degree of human as well as climate change impact on the landscape.

The research carried out by Laura Sadori is based on morphology and taxonomy of plant micro- and macrofossils. Most of the analytical research of Laura Sadori is aimed

to improve the knowledge of past biodiversity and to the detection of plant extinctions during the Quaternary. In this perspective palynology of natural and historical archives is used to understand present environmental dynamics and future scenarios under climate changes.

Laura Sadori cooperates with archaeologists, geologists and architects in the multidisciplinary study of a number of Italian and foreign historical and prehistorical sites.

*Laura Sadori, Dipartimento di Biologia Ambientale of Università “La Sapienza”*  
(laura.sadori(at)uniroma1.it)



# IFPS REPORTS

## XIV IPS / X IOPS joint conference in Salvador, Brazil - IFPS funded PhD students reports

The International Palynological Congress and International Organisation of Palaeobotany Conference only come around every 4 years. As a 3rd year PhD student I had never been to a conference of anything like this size and scope and I was excited to see how it might differ from the smaller events I was used to. Though initially daunting (especially the enormous abstract book!) any initial apprehension soon faded once the sessions got under way.

The meeting was opened by speeches from the assembled members of the organising committee and the presidents of the various organisations involved, welcoming us to Salvador and wishing for a successful meeting. This was followed by entertainments from a local singer with the Brazilian and Bahian anthems among her repertoire as well as a local Berimbau orchestra, an intriguing Brazilian musical bow. A reception followed and much food and drink was consumed by all.

The following morning the scientific sessions began in earnest. The breadth of science on display is far too broad to attempt to catalogue here. With 33 symposium sessions and associated posters practically every topic was covered from Cambrian cryptospores to modern pollen-vegetation relationships (and that's just what I was able to attend!) Above all, the allied sciences of palaeobotany and palynology were shown to be in rude health, with hundreds of practitioners from all over the world, working on fossils and deposits from every continent, including Antarctica. This great breadth of palaeobotanical and palynological disciplines made the conference a valuable chance to experience and learn about different techniques and methods of

analysis from colleagues in different areas of the science. I was able to speak with Cenozoic specialists about a well-known Cenozoic-area technique I am applying to Palaeozoic studies and so refine my technique and its application to Palaeozoic material. As always this event was a fantastic opportunity to catch up with old friends and meet new ones. It was also a valuable chance to seek the advice of senior workers in the field, especially for Early Career Researchers like myself. Personally I was able to find possible answers to important questions my work has produced, as well as finding some new ones. My studies have been sent in rather a different direction as a result of this important networking and I'm sure I will seek my new acquaintances' advice in the future. Outside of all the science the setting of the conference provided delegates with ample opportunities for relaxation. Many took the opportunity to see the historic centre of Salvador, others the surrounding scenery and coastline, taking advantage of the sunny, if exceedingly hot weather. The conference venue was the excellent Bahia Othon Palace hotel and a gala dinner was laid on at the Bahia Yacht Club in the middle of the week. Delegates began to drift away and make their myriad ways home or onward from the Friday, but for those who could remain a closing ceremony provided even more opportunity to sample the local produce. I'm sure I speak for everyone when I offer my congratulations and thanks to the organising committee and secretarial team for putting together such an excellent event, as well as offering my encouragement to the Prague 2020 team. I'm sure their event will be just as spectacular. Finally, to Brazil: Obrigado e adeus!

*Alexander Askew, PhD Student, Dept. Animal & Plant Sciences, University of Sheffield (ajaskew2(at)sheffield.ac.uk)*

# IFPS SOCIETIES' REPORTS

## XIV International Palynological Congress - IPC / X International Organisation of Palaeobotany Conference - IOPC

First time holding in South American, in the capital of State of Bahia (Brazil), Salvador, IPC/IOPC happened from Oct. 23 to 28, 2016. Joint event was organized in a comfortable hotel (Bahia Othon Palace) near the sea of All Saints bay. This time paleobotanists and palynologists have been in a tropical, summer mood, and the way of being of the Brazilians took everybody!

At least 516 participants from 45 countries (Fig. 1) were present on IPC/IOPC sections. All this audience contributed to the congress success with 480 abstracts (266 of oral presentations and 214 of posters) covering the themes of the eleven general sections and 31 symposia. All abstracts were published in a special volume of the Boletín de la Asociación Latinoamericana de Paleobotánica and Palinología. It is available for download on <http://www.botanica.org.br/ebook/Anais-do-XIV-IPC-XIOPC.pdf>.

In this edition, the organizing committee included pre and post activities to IPC/IOPC (Fig. 2). There were four pre-congress courses (22.Oct.2016) addressed for students and people who need a more deep knowledge in some specific subjects (Tilia program, Antarctica flora, Angiosperm Phylogeny, and statistics). These courses were taught by Eric Grimm (USA), David Cantrill (Australia), Vernie Sagun (the Philippines) and John Ortiz (Colombia).

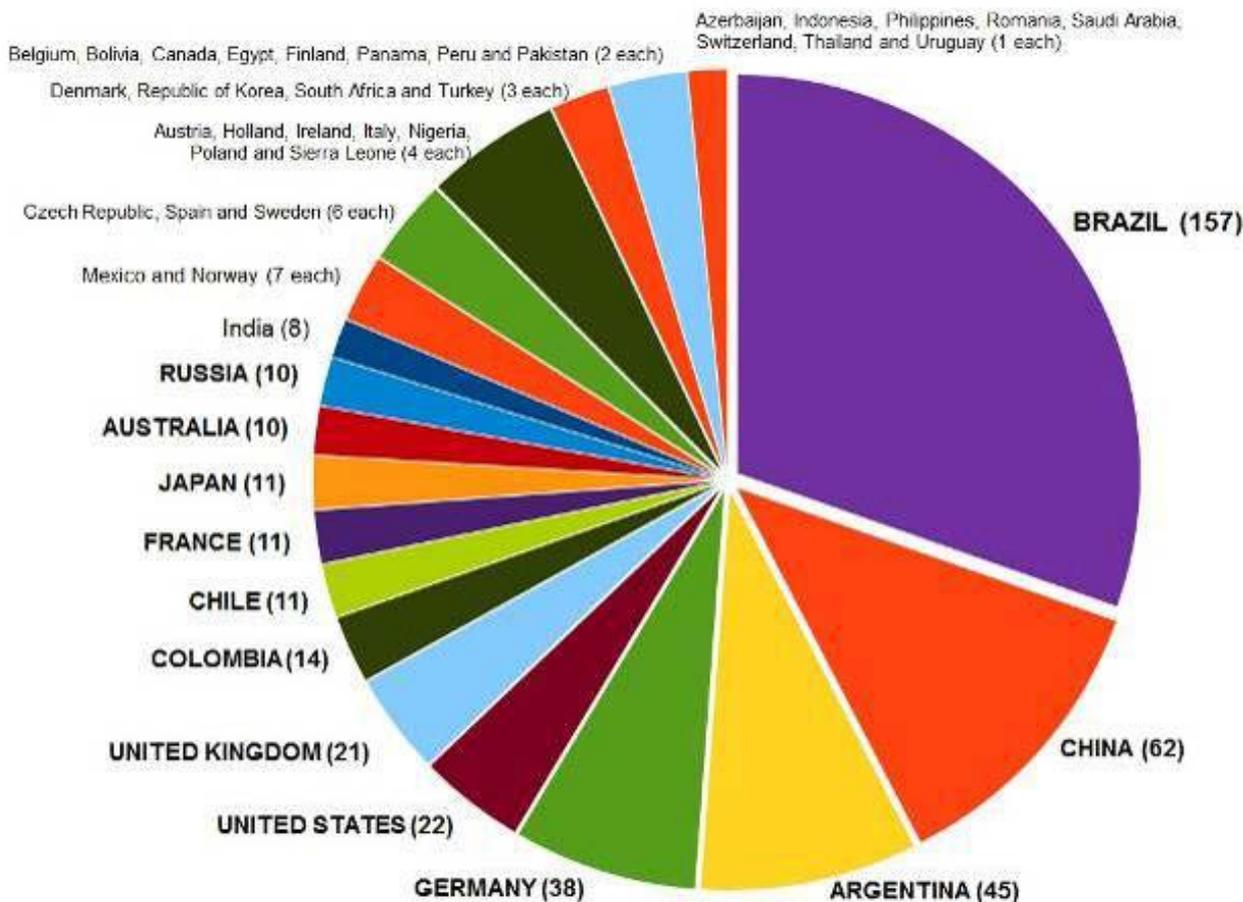


Fig. 1. Brazilian IPC/IOPC, 2016, audience by countries.

After the congress, from Oct. 29 to 31, there was a workshop on pollen-based reconstructions of past land-cover change in Latin America, sponsored by PAGES and locally coordinated by Francisco Hilder Silva, Paulino Oliveira, and Vivian Jeske-Pieruschka.



**Fig. 2.** Dr. Eric C. Grimm (the University of Illinois at Urbana-Champaign) in this pre-congress course “**Tilia/Neotoma Paleoecology Database**”, held at UFBA.

The gala dinner was a different moment in the congress, occurred in Bahia Yacht Club. Besides the caipirinha, acarajés, and many typical foods, everybody, after have gotten a delicious meal, could relax with an original “festa baiana” [Bahian party]. No matter if palynologist or palaeobotanist, student or great researcher, young or not, again the way of being of the Brazilians inspired all (Fig. 3) in a funny confraternization.

XIV IPC/XIOPC came from a hard work of the organizing committee, headed by Francisco de Assis Ribeiro dos Santos who is its president (Fig. 4).

Even with the terrible financial crisis faced by Brazil, organizing committee had the support of some local universities (UEFS, UNEB, UFBA, UFSB, and URCA).

And also there was financial support of main Brazilian institutions of research foment (CNPq, CAPES, FAPESB, and CRBio-8) and some private ones (Bayer, Bee Care, and Rede Abelha). Botanical Society of Brazil, present by its NEPAL (the Palynologists

group), supported the event with a flight ticket of a pre-congress teacher.



**Fig. 3.** Two scenes of the gala dinner during Brazilian IPC/IOPC, in Bahia Yacht Club. Above: Mercedes di Pasquo (left), ALPP president, David Cantrill (center) and colleagues; down: people dancing leisurely after eating.



**Fig. 4.** Opening ceremony: Andrea Luiz Ponzio (Botanical Society of Brazil secretary), Mercedes di Pasquo (ALPP president), Charles Wellman (IFPS president), Francisco de Assis R. dos Santos (XIVIPC/XIOPC president) and Johanna Eder (IOP president).

Besides Francisco Santos and his colleagues, it is worth to mention that the participation of their students of all levels (undergraduate to Ph.D.) with their hard work during all con-

gress was noticeable by all for their kindness. A great new generation of palynologists!

During their meetings, IFPS and IOP have set Prague (Czech Republic) for next joint meeting holding in 2020.

*Francisco de Assis Ribeiro dos Santos, XIV IPC / X IOPC local organising president.*

## Linnaean Society Specialist Palynology Autumn Meeting 24th November 2016

The day began with *Wesley Fraser* (Oxford Brookes University) who presented data from a modern pollen vegetation study looking at the transition between wooded savannah and true savannah in the Kogyae Nature Reserve, Ghana. He explained how comparing modern data to palynological data may highlight any additional ecological information to be extracted from the fossil record to provide new insights into abrupt vegetation change in LaKe Bosumtwi, Ghana. *Alexander Askev* (University of Sheffield) presented early results of a quantitative analysis of the Middle Devonian of northern Spain, with the aim of identifying the Kačák event, a widely anoxic event occurring at the Eifelian/Givetian boundary. Of particular note is the excellent preservation of ornamentation of acritarchs and chitinozoans. *Luke Mander* (Open University) outlined his approach to the morphological diversity of pollen grains through enumerative combinatorics. He used this approach to highlight the enormous reservoir of morphological diversity within neotropical rainforests. Before breaking for lunch *Mike Boulter* gave a speech in memoriam of Bill Chaloner.

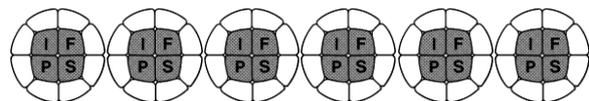
After lunch, *Emma Reeves* (University of Southampton) discussed her findings from the Tournaisian Ballagan Formation, UK, and gave new insights into the recovery of terrestrial vegetation following the End Devonian Mass Extinction event. *Yiří Bek* (Institute of Geology, Prague) presented his preliminary report of *in situ* spores from the

Early Permian of Wuda, Inner Mongolia, China, following recent excavations. The tropical forest was buried by volcanic ash and plants are preserved in their original growth positions, allowing for three dimensional observations of plant morphology and anatomy.

*Christa Hoffman* (Institute of Palaeontology, University of Vienna) presented her LM and SEM photos from a reinvestigation of the Cobham lignite to help elucidate the biological affiliations of the pollen grains that are used to describe vegetation dynamics across the Paleocene-Eocene boundary. *Philip Jardine* (Open University) highlighted the fact that further information besides inferences about past vegetation and climate can be taken from the chemical signature of pollen and spores. He showed how chemical palynology can be used as a proxy for past ultraviolet irradiance. Finally, *Charles Wellman* (University of Sheffield) described the dispersed spore assemblage from Lower Devonian plant-bearing deposits of New Brunswick, eastern Canada. The rich assemblage of well-preserved spores dates the sequence to the late Pragian-latest Emsian interval and analysis suggests that clonal plant growth in monotypic sands was an important feature of early land plant communities.

As a new PhD student, the day was filled with a wide array of talks that covered a much wider spectrum than originally anticipated. The message to be taken away from the day is to not underestimate the ways in which palynology can be used to widen our understanding of the natural world.

*Martha Gibson, University of Sheffield*



# FUTURE MEETINGS

## 2017

### **2017 5<sup>TH</sup> OPEN SCIENCE MEETING (OSM) PAGES. GLOBAL CHALLENGES FOR OUR COMMON FUTURE: A PALEOSCIENCE PERSPECTIVE, ZARAGOZA, SPAIN, MAY 2017.**

The next 5<sup>th</sup> OSM meeting will be held in Zaragoza (Spain), May 9–13, 2017. More information available at <http://www.pages-osm.org>

### **2017 VII WORKSHOP ON NON-POLLEN PALYNOMORPHS (NPP), LIVERPOOL, UK, JUNE 2017.**

The VII Workshop on Non-Pollen Palynomorphs will take place in the University of Liverpool, UK, from 12<sup>th</sup> to 14<sup>th</sup> June 2017. More information available at <http://workshop7nonpollen.uk>

### **2017 XIX INTERNATIONAL BOTANICAL CONGRESS (IBC2017), SHENZHEN, CHINA, JULY 2017**

The XIX International Botanical Congress will take place in Shenzhen, China, in July 2017. More information available at <http://www.abc2017.cn>

### **2017 DINO11 - 11TH INTERNATIONAL CONFERENCE ON MODERN AND FOSSIL DINOFLAGELLATES, BORDEAUX UNIVERSITY, FRANCE, JULY 2017**

The next 11th dino. meeting will be held in Bordeaux (France), July 17–21, 2017. More information available at <http://www.laplif.org/dino11/calquedino11.htm>

### **2017 50<sup>TH</sup> ANNUAL MEETING OF AASP – THE PALYNOLOGICAL SOCIETY – THE GOLDEN ANNIVERSARY MEETING – HELD JOINTLY WITH CIMP AND THE MICROPALAEONTOLOGICAL SOCIETY PALYNOLOGY GROUP, NOTTINGHAM, UK, SEPTEMBER 3–7, 2017**

Please visit [http://cimp.weebly.com/uploads/6/4/0/5/6405206/the\\_2017\\_aasp\\_annual\\_meeting.pdf](http://cimp.weebly.com/uploads/6/4/0/5/6405206/the_2017_aasp_annual_meeting.pdf) for details.

### **2017 JOINT APLE – APLF – GPSBI CONGRESS, BARCELONA, SPAIN, 2017**

The Joint conference between the Asociación de Palinólogos de Lengua Española (APLE), the Association des Palynologues de Langue Française (APLF), and the Gruppo di Palinologia della Società Botanica Italiana (GPSBI) will take place in Barcelona, Spain. This conference will also celebrate the 50<sup>th</sup> anniversary of APLF ! Further informations will be available in due times.

## 2018

### **2018 5<sup>TH</sup> INTERNATIONAL PALAEOLOGICAL CONGRESS (IPC 2018), PARIS, FRANCE, JULY 9 – 13, 2018**

The 5th International Palaeontological Congress (IPC 2018) will take place in Paris, France, from July 9-13, 2018. Further informations will be available in due times.

### **2018 10<sup>TH</sup> EUROPEAN PALAEOBOTANY PALYNOLOGY CONFERENCE (EPPC), DUBLIN, IRELAND, AUGUST 12–19, 2018**

The 10th EPPC will take place in Dublin, Ireland, from August 12-18, 2018. Further informations will be available in due times.

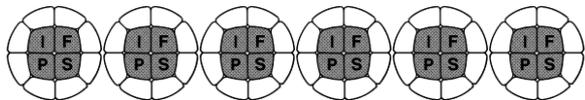
**2018 11<sup>TH</sup> INTERNATIONAL  
CONGRESS ON AEROBIOLOGY (ICA),  
PARMA, ITALY, SEPTEMBER 3–7, 2018**

The 11th ICA will take place in Parma, Italy, from September 3–7, 2018. Further information available at <http://www.ica2018.eu/>

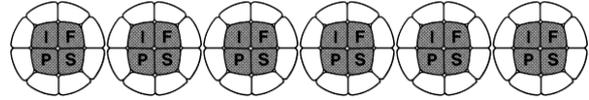
**2019**

**2019 XX INQUA CONGRESS 2019,  
DUBLIN, IRELAND, JULY 25 –31, 2019**

The XX INQUA Congress will take place in Dublin, Ireland from July 25-31, 2019. The congress theme will be “Life on the Edge”, with additional sub-themes of "Dynamic Ice Sheets on a Global Scale", "Extinction", and "Adaptation to Environmental Change". Further Information available at [http://iqua.ie/INQUA\\_2019.html](http://iqua.ie/INQUA_2019.html)



# ANNOUNCEMENTS



## WORLD DIRECTORY OF PALYNOLOGISTS

Please note that the 5th edition of this invaluable directory has been published as a pdf by Owen K. Davis in August 2012. It is available by request to Owen K. Davis (odavis(at)email.arizona.edu) or as a copy through your membership in an IFPS affiliated society.

Please ask your IFPS councillor for it!

## CURRENT IFPS AFFILIATED SOCIETIES AND COUNCILLORS

The current list of the IFPS officers and IFPS councillors is provided below. The IFPS president (Jean Nicloas Haas), IFPS secretary-treasurer (James B. Riding), IFPS editor of *PALYNOS* (Encarni Montoya), and the IFPS Web-Master (Owen Davis) should be informed of any errors or necessary changes (email addresses below; postal addresses of all officers & councillors: <http://www.geo.arizona.edu/palynology/ifpscnc.html>).

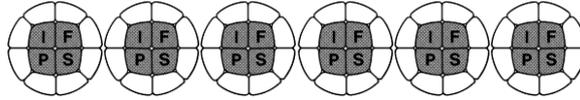
The list of current IFPS councillors also includes information on website addresses for the various societies. Please inform the IFPS Officers of possible website changes.

IFPS Officers		Affiliation	Email
IFPS President	<b>Jean Nicolas Haas</b>	University of Innsbruck, Austria	<a href="mailto:Jean-Nicolas.Haas@uibk.ac.at">Jean-Nicolas.Haas@uibk.ac.at</a>
IFPS Past President	<b>Charles Wellman</b>	University of Sheffield, England	<a href="mailto:C.Wellman@sheffield.ac.uk">C.Wellman@sheffield.ac.uk</a>
IFPS Secretary-Treasurer	<b>James B. Riding</b>	British Geological Survey, UK	<a href="mailto:jbri@bgs.ac.uk">jbri@bgs.ac.uk</a>
IFPS Editor of PALYNOS	<b>Encarni Montoya</b>	Institute of Earth Sciences "Jaume Almera" (CSIC), Spain	<a href="mailto:encarnacionmontoya@gmail.com">encarnacionmontoya@gmail.com</a>
IFPS Web-Master	<b>Owen Davis</b>	University of Arizona, USA	<a href="mailto:odavis@email.arizona.edu">odavis@email.arizona.edu</a>
IFPS affiliated Societies		Acronym & Website	Councillors
American Association of Stratigraphic Palynologists – The Palynological Society	AASP – TPS	<a href="http://www.palynology.org">http://www.palynology.org</a>	<a href="#">Fabienne Marret-Davies</a>
Arbeitskreis für Paläobotanik und Palynologie	APP	<a href="http://www.palges.de/arbeitskreise/ak-palaeobotanik-palynologie.html">http://www.palges.de/arbeitskreise/ak-palaeobotanik-palynologie.html</a>	<a href="#">Martina Stebich</a>
Arbeitskreis für Vegetationsgeschichte der Reinhold-Tüxen-Gesellschaft	AVRTG	<a href="http://www.reinhold-tuexen-gesellschaft.de/">http://www.reinhold-tuexen-gesellschaft.de/</a>	<a href="#">Hermann Behling</a>
Asociación Latinoamericana de Paleobotánica y Palinología	ALPP	<a href="http://www.ufrgs.br/alpp">http://www.ufrgs.br/alpp</a>	<a href="#">Mercedes di Pasquo</a>
Asociación de Palinólogos de Lengua Española	APLE	<a href="http://aple.usal.es">http://aple.usal.es</a>	<a href="#">Juan de Dios Alché Ramírez</a>
Association des Palynologues de Langue Française	APLF	<a href="http://laplf.org/">http://laplf.org/</a>	<a href="#">Marie-Pierre Ledru</a>
Canadian Association of Palynologists	CAP	<a href="http://www.scirpus.ca/cap/cap.shtml">http://www.scirpus.ca/cap/cap.shtml</a>	<a href="#">Simon Goring</a>
Collegium Palynologicum Scandinavicum	CPS	<a href="http://www.palynology.info">www.palynology.info</a>	<a href="#">Heikki Seppä</a>
Commission Internationale de Microflore du Paléozoïque	CIMP	<a href="http://cimp.weebly.com/">http://cimp.weebly.com/</a>	<a href="#">Gilda Lopes</a>
Gruppo di Palinologia della Società Botanica Italiana	GPSBI	<a href="http://www.societabotanicaitaliana.it/laygruppo.asp?IDSezione=22">http://www.societabotanicaitaliana.it/laygruppo.asp?IDSezione=22</a>	<a href="#">Laura Sadori</a>
International Association for Aerobiology	IAA	<a href="https://sites.google.com/site/aerobiologyinternational/">https://sites.google.com/site/aerobiologyinternational/</a>	<a href="#">Dorota Myszkowska</a>
Linnean Society Palynology Specialist Group	LSPSG	<a href="http://www.linnean.org/">http://www.linnean.org/</a>	<a href="#">Barry Lomax</a>
Organisation of Czech and Slovak Palynologists	OCSPP		<a href="#">Marianna Kováčová</a>
Palynological Association of Nigeria	PAN		<a href="#">Emuobosa Orijemie</a>
Palynological Society of China	PSC	<a href="http://www.chinapsc.cn/palynology/en/index.asp">http://www.chinapsc.cn/palynology/en/index.asp</a>	<a href="#">Wei-Ming Wang</a>
Palynological Society of Japan	PSJ	<a href="http://www.psj3.org/">http://www.psj3.org/</a>	<a href="#">Hikaru Takahara</a>
Palynological Society of Poland	PSP		<a href="#">Ewa Durska</a>
Palynologische Kring (The Netherlands)	PK	<a href="http://www.palynologischekring.nl">http://www.palynologischekring.nl</a>	<a href="#">Timme Donders</a>
Palynologists and Plant Micropalaeontologists of Belgium	PPMB		<a href="#">Philippe Steemans</a>
Russian Palynological Commission	RPC		<a href="#">Elena Novenko</a>
Society for the Promotion of Palynological Research in Austria	AUTPAL	<a href="http://www.autpal.at">http://www.autpal.at</a>	<a href="#">Michael Hesse</a>
The Micropalaeontological Society Palynology Group	TMS	<a href="http://www.tmsoc.org/paly.htm">http://www.tmsoc.org/paly.htm</a>	<a href="#">Manuel Vieira</a>
The Palaeobotanical Society India (Formerly called The Palaeobotanical Society of Lucknow, PSL)	PBS	<a href="http://palaeobotanicalsociety.org">http://palaeobotanicalsociety.org</a>	<a href="#">Rama S. Singh</a>
Turkish Committee for Palynology	TCP		<a href="#">Zühtü Bati</a>
<b>Affiliation/Membership of the IFPS at the:</b>			
<i>International Union of Geological Societies</i>	<i>IUGS</i>		<a href="#">Lucy Edwards</a>
<i>International Union of Biological Societies</i>	<i>IUBS</i>		<a href="#">Jacques-Louis de Beaulieu</a>
<b>Societies on hold/Former Societies of the IFPS:</b>			
International Association for African Palynology	AIPA/IAAP		
Palynological and Palaeobotanical Association of Australia	PPAA		
Philippine Palynological Society	PPS		



**XIV IIPC**  
**X IOIPC**

*XIV International Palynological Congress  
X International Organisation of Palaeobotany Conference  
Palaeobotany and Palynology: towards new frontiers  
Salvador (Brazil), 23-28 Oct 2016*



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

**Encarni Montoya**

*encarnacionmontoya@gmail.com*

Please don't forget to visit our IFPS web site at:

**<http://geo.arizona.edu/palynology/ifps.html>**

