

## PROGRAM

### Tuesday, 26th August, 2014

17.00–19.30: REGISTRATION DESK at the Historical Botanical Garden

19.00–20.30: WELCOME COCKTAIL, at the Historical Botanical Garden

### Wednesday, 27th August, 2014

9.30–11.30: REGISTRATION DESK in the the Aula Magna of Palazzo del Bo (the main University)

10.00–12.00: OPENING CEREMONY in the the Aula Magna of Palazzo del Bo (the main University)

10.00–10.05: **Edoardo Martinetto**: opening of the conference

10.05–10.15: Address of the **representants of the CNR and Padova University**

10.15–10.25: Address of the **president of the IOP and IFPS**

10.25–10.45: **Guido Roghi & Evelyn Kustatscher**: presentation of the conference and of the book "Palaeobotany in Italy"

10.45–11.00: Delivery of the W.H. Jongmans award

11.00–12.00: **Telmo Pievani**: Petrified trees and abominable mysteries: palaeobotany in Darwin

12.30–16.30: REGISTRATION DESK at the new Department of Geoscience, via Gradenigo, 6

13.00–14.30: LUNCH at the new Department of Geoscience, via Gradenigo, 6

### AULA 1F+1E (connected)

*S8. Pollen morphology and development (convenors: Nina Gabarayeva, Dmitriy A. Britski & Olga Gavrilova)*

14.30–15.00: **Gabayeva, Nina; Grigorjeva, Valentina (keynote)**: Common features of exine development in spore, gymnosperm and angiosperm plants, and experimental modelling of exine-like structures: self-assembly afoot

- 15.00–15.15: **Britski, Dmitri A.; Grygoryeva, Valentina V.; Korobkov, Alexandr A.:** Pollen morphology of *Primula* L. (Primulaceae)
- 15.15–15.30: **Doyle, James:** Molecular phylogenies and evolution of pollen morphology and exine structure in Annonaceae
- 15.30–15.45: **Gavrilova, Olga A.; Britski, Dmitri A.; Leunova, Valentina M.:** The peculiarities of pollen grains of the subfamily Solanoideae (Solanaceae)
- 15.45–16.00: **Mitić, Božena; Halbritter, Heidemarie; Hruševar, Dario:** Application of Palynology in Taxonomy and Phylogeny – the case of Pollen Morphology of the Genus *Iris* L. (Iridaceae) from the Southern European Area

16.00–16.30: COFFEE BREAK

S8. *cont.*

- 16.30–16.45: **Naryshkina, Natalia N.:** Description of pollen morphology of East Asian *Quercus* L. (Fagaceae) examined with light and Scanning Electron Microscopes: implications for palaeoecology
- 16.45–17.00: **Ramírez-Arriaga, Elia; Valiente-Banuet, Alfonso; Martínez-Hernández, Enrique; Nieto-Samaniego, Ángel F.:** Diversity of Cactaceae pollen grains in the Mexican Cenozoic palynological record.
- 17.00–17.15: **Taylor, Mackenzie L.; Osborn, Jeffrey M.:** Comparative Pollen Structure and Development in Aquatic Angiosperms

S39. *General topics (convenors: Guido Roghi & Evelyn Kustatscher)*

- 17.15–17.30: **Bartirolo, Antonello; Guignard, Gaëtan:** Volcanic gases: a “stressor” for the past and extant plants? The case of the extant plant *Phytolacca americana* influenced by volcanic gases
- 17.30–17.45: **Cantrill, David J.; Leslie, Andrew; Crane, Peter, R.; Garrouste, Romain; Munzinger, Jérôme; Lowry, P.P. II; Maurizot, Pierre; Mays, Chris R.; Stilwell, Jeffrey; Tosolini, Anne-Marie, T.:** New fossil floras from the southwest Pacific implications for Gondwana biogeography

AULA 1B*S2. Plant-animal and plant-microbe interactions (convenors: Michael Krings, Tom Taylor & Torsten Wappler)*

- 14.30–14.45: **Krings, Michael; Taylor Thomas N. & Wappler**: introduction
- 14.45–15.00: **Harper, Carla, J.; Taylor, Thomas N.; Krings, Michael; Taylor, Edith L.**: Pathogens of the past: Plant-pathogenic fungal interactions in Paleozoic and Mesozoic woods
- 15.00–15.15: **Heřmanová, Zuzana; Kvaček, Jiří; Bodor, Emese**: Not a seed or fruit, but insect eggs: *Palaeoaldrovanda* and *Knoblochia* from the Late Cretaceous of Central Europe
- 15.15–15.30: **Krings, Michael; Taylor, Thomas N.; Dotzler, Nora**: Morphological diversity in fungal reproductive units from the Lower Devonian Rhynie chert: What's the point in having a hyphal mantle?
- 15.30–15.45: **Steinthorsdottir, Margret; Tosolini, Anne-Marie P.; McElwain, Jennifer C.**: Annelid and insect activity across the Triassic-Jurassic transition of East Greenland: ecosystem response to mass extinction and environmental degradation
- 15.45–16.00: **Wappler, Torsten; Grímsson, Friðgeir; Denk, Thomas**: Patterns of plant-insect associations from the Miocene of Iceland

16.00–16.30: COFFEE BREAK

*S14. Patterns in Late Palaeozoic vegetation (convenors: Christopher J. Cleal)*

- 16.30–16.45: **Frojdová, Jana; Pšenička, Josef; Bek, Jiří**: Sporangia of leptosporangiate Carboniferous ferns
- 16.45–17.00: **Opluštil, Stanislav; Bek, Jiří; Drábková, Jana; Pšenička, Josef**: *Omphalophloios feistmantelii*, a Middle Pennsylvanian sub-arborescent lycopsid and its ecological constraints
- 17.00–17.15: **Pendleton, Janine L.; Wellman, Charles H.; Cleal, Christopher J.**: Pennsylvanian (mid-Bolsovia - Cantabrian; Moscovian) biostratigraphy and vegetation change in the Bristol Coalfield, UK
- 17.15–17.30: **Gastaldo, Robert; Bamford, Marion; Geissman, John; Kamo, Sandra; Looy, Cindy; Neveling, Johann**: Stratigraphic evidence for the recognition of Early Triassic *Glossopteris* in the Karoo Basin, South Africa
- 17.30–17.45: **Bek, Jiří; Opluštil, Stanislav; Pšenička, Josef**: Reconstruction of plant assemblages based on miospore record using conversion factors (R-values) from the Pennsylvanian of Czech Republic: Preliminary results
- 17.45–18.00: **Drábková, Jana; Lojka, Richard**: Upper Pennsylvanian spore and pollen assemblages from the clastic deposits of the Central and Western Bohemian basins (Czech Republic)

18.00–18.15: **Zbyněk Šimůnek**: Two late Speophanian neuropterid species preserved as cuticles in coal

### AULA CATULLO

*S25. Cenozoic vegetation quantification with models and proxy data (a NECLIME and ROCEEH contribution) (convenors: Louis François, Angela A. Bruch & Torsten Utescher)*

- 14.30–14.45: **François, Louis; Bruch, Angela A.; Utescher, Torsten**: introduction  
 14.45–15.00: **D'Apolito, Carlos; Harrington, Guy**: The dynamic paleogeography of Neogene western Amazonia as revealed by its pollen record  
 15.00–15.15: **Crifò, Camilla; Currano, Ellen; Baresch, Andrés; Jaramillo Carlos**: Variations in angiosperm leaf vein density have implications for interpreting life form in the fossil record  
 15.15–15.30: **Konrad, Wilfried; Roth-Nebelsick, Anita**: Get your coat wet - dew collection by dense trichome layers may facilitate plant survival under dry conditions  
 15.30–15.45: **Roth-Nebelsick, Anita; Konrad, Wilfried**: Shifting of taxon-specific humidity demands under changing CO<sub>2</sub>? - A multidimensional analysis using different stomatal conductance models  
 15.45–16.00: **François, Louis; Henrot, Alexandra-Jane; Utescher, Torsten; Hamon, Noémie; Erdei, Boglarka; Dury, Marie; Krapp, Mario; Herold, Nicholas; Goldner, Aaron**: Middle Miocene vegetation reconstructions with the CARAIB dynamic vegetation model and validation using the NECLIME database

16.00–16.30: COFFEE BREAK

*S25. cont.*

- 16.30–16.45: **Popova, Svetlana; Utescher, Torsten; Gromyko, Dmitry; Bruch, Angela A.**: Cenozoic vegetation and climate gradients along a latitudinal transect from the Caspian region to the High Arctic – results from the plant fossil record compared to modern conditions  
 16.45–17.00: **Utescher, Torsten; Erdei, Boglárka; Hably, Lilla; Mosbrugger, Volker; Tamás, Júlia**: Late Miocene Vegetation of the Pannonian Basin – an interpretation at the level of plant functional types  
 17.00–17.15: **Salzmann, Ulrich; Dowsett, Harry J.; Dolan, Aisling M.; Haywood, Alan M.; Pound, Matthew J.; PRISM, PlioMIP**: Challenges in quantifying Pliocene warming revealed by data–model discord

- 17.15–17.30: **Bruch, Angela A.; Gabrielyan, Ivan G.:** Testing quantitative methods of vegetation reconstruction on Early Pleistocene macro floras from Armenia
- 17.30–17.45: **Rudaya, Natalia; Markin, Sergey:** Reconstruction of dominant vegetation types and climate during the period of the Neanderthals settlement in Chagyrskaya Cave (Altai Mountains)
- 17.45–18.00: **Levkovskaya, Galina; Shumilovskikh, Ludmila; Hoffecker, John; Platonova, Nadejda; Anikovich, Mikhael:** Chronology of the Russian Plain Upper Paleolithic Kostenki 12 / V(?), IV and III Layers of the Glinde and Moershoofd Optima in the Context of IRSL/OSL Dates and Correlations with Monticchio and Black Sea core 25-GC1 Diagrams and GISP2 O16/O18 and C13/C14 "Calendars"

### AULA ARDUINO

S36. *Advances in Quaternary pollen and plant macrofossil stratigraphy (convenors: Donatella Magri & Cesare Ravazzi)*

- 14.30–14.45: **Magri, Donatella; Ravazzi, Cesare:** Introduction
- 14.45–15.00: **Heumann, Georg; Hoselmann, Christian; Scheidt, Stephanie:** The Heidelberg Basin Drilling Project: Late Pliocene Palynology and Biostratigraphy of the research borehole Viernheim (Germany)
- 15.00–15.15: **Muñoz Sobrino, Castor; García-Moreiras, Iria; Gómez-Orellana, Luis; Iriarte-Chiapusso, María José; Ramil-Rego, Pablo:** The decline of hornbeam in SW Europe during the last glacial cycle: new data about *Carpinus betulus* L. in NW Iberia
- 15.15–15.30: **Takahara, Hikaru; Hayashi, Ryoma; Sasaki, Naoko:** Vegetation in the Last Glacial Maximum on a mountain range near Lake Biwa, western Japan
- 15.30–15.45: **Di Rita, Federico; Celant, Alessandra; Milli, Salvatore; Magri, Donatella:** Lateglacial-early Holocene vegetation and environmental processes in the Tiber delta area (Rome, Italy)
- 15.45–16.00: **Pędziszewska, Anna; Tylmann, Wojciech; Witak, Małgorzata; Piotrowska, Natalia; Maciejewska, Emilia; Latałowa, Małgorzata:** Holocene environmental changes in the Kashubian Lake District (N. Poland) - a multiproxy record from annually laminated lake sediments

16.00–16.30: COFFEE BREAK

18.00–19.30 POSTER SESSION WITH DRINKS

evening: SOCIETY MEETING of APP (Arbeitskreis für Paläobotanik und Palynologie)



**Thursday, 28th August, 2014**

8.30–11.30: REGISTRATION DESK

**AULA 1F+1E (connected)**

*S5. Fossil wood, from taxonomy to palaeoecological syntheses (IAWA) (convenors: Marc Philippe & Jakub Sakala)*

- 08.30–09.00: **Strullu-Derrien, Christine; Kenrick, Paul; Cochard, Hervé; Badel, Eric (keynote):** The earliest woody plant *Armoricaphyton chateaupannense* (Armorican Massif, France): xylem structure and hydraulic properties documented by propagation phase contrast X-ray synchrotron microtomography (PPC-SR $\mu$ CT)
- 09.00–09.15: **Wang, Yong-Dong; Tian, Ning; Philippe, Marc; Jiang, Zi-Kun; Zhang, Wu; Li, Li-qin:** The Jurassic fossil wood record of China
- 09.15–09.30: **Wheeler, Elisabeth; Baas, Pieter:** Fossil Woods of Yellowstone National Park, Wyoming, USA
- 09.30–09.45: **Sakala, Jakub; Gryc, Vladimír; Boura, Anaïs; Thomas, Romain:** NECLIME working group on fossil wood as a new platform for studying Cenozoic woods: examples from the Tertiary of Czech Republic and France
- 09.45–10.00: **Tanrattana, Mélanie; Boura, Anaïs; De Franceschi, Dario; Thomas, Romain:** A walk in the French Oligocene laurisilva (Appelle, Tarn, France)
- 10.00–10.15: **Mantzouka, Dimitra; Sakala, Jakub; Karakitsios, Vasileios:** A new methodological approach on *Laurinoxylon* and the importance of the oil and/or mucilage cells
- 10.15–10.30: **Boonchai, Nareerat; Grote, Paul J.:** The first report of of *Azadirachta* (Meliaceae) fossil wood from Thailand

10.30–11.00: COFFEE BREAK

*S4. Amber through time: Identifying sources of fossil resin (convenors: Alexander R. Schmidt & Eugenio Ragazzi)*

- 11.00–11.30: **Nascimbene, Paul C. (keynote):** Amber: The evolution and biogeography of resin-producing trees, resinous exudates, and associated ecosystems
- 11.30–12.00: **Seyfullah, Leyla J. (keynote):** Sticking points – understanding amber deposits through modern resin studies
- 12.00–12.15: **Dal Corso, Jacopo; Gianolla, Piero; Preto, Nereo; Ragazzi, Eugenio; Roghi, Guido; Schmidt, Alexander R.:** Massive resin production linked to Carbon-cycle perturbation in the Carnian (Late Triassic)

- 12.15–12.30: **Nohra, Youssef A.; Perrichot, Vincent; Bouras, Anaïs; Jeanneau, Laurent; Néraudeau, Didier; Thomas, Romain; Azar, Dany:** Cupressacean origin of the Cretaceous Vendean amber (northwestern France): evidence from fossil wood and chemical signatures
- 12.30–12.45: **Ślodkowska, Barbara; Kasiński, Jacek R.:** Baltic Amber – climatic changes and their impact on resin production
- 12.45–13.00: **Angelini, Ivana:** DRIFT analyses of Bronze Age-Early Iron Age Italian ambers: old and new data

13.00–14.30: LUNCH

*S3. Amber inclusions and the development of terrestrial ecosystems (convenors: Leyla J. Seyfullah & Guido Roghi)*

- 14.30–15.00: **Heinrichs, Jochen (keynote):** Amber fossil record of seedless land plants
- 15.00–15.15: **Feldberg, Kathrin; Schneider, Harald; Schmidt, Alexander R.; Heinrichs, Jochen:** Epiphytic leafy liverworts diversified in angiosperm-dominated forests
- 15.15–15.30: **Rikkinen, Jouko:** Where are the lichens from Palaeogene amber forests?
- 15.30–15.45: **Kettunen, Elina; Rikkinen, Jouko; Schmidt, Alexander R.:** Dematiaceous hyphomycetes from European Palaeogene Amber
- 15.45–16.00: **Coppellotti, Olimpia; Ragazzi, Eugenio; Schmidt, Alexander R.; Roghi, Guido:** Microbial coenoses in amber from diverse geological periods

16.00–16.30: COFFEE BREAK

*S3. cont.*

- 16.30–16.45: **Nascimbene, Paul C.; Dove, Carla J.; Grimaldi, David A.; Schmidt, Alexander R.:** Exceptional preservation of feather microstructures in amber from diverse faunas (Theropoda: Paraves) during the Lower and mid-Cretaceous
- 16.45–17.00: **Schmidt, Alexander R.; Kaulfuss, Uwe; Borkent, Art; Busch, Ariane; Conran, John G.; D'Haese, Cyrille A.; Engel, Michael S.; Harvey, Mark; Kerr, Peter; Kettunen, Elina; Kiecksee, Anna Philie; Larivière, Marie-Claude; Lengeling, Franziska; Maraun, Mark; Perrichot, Vincent; Rikkinen, Jouko; Sadowski, Eva-Maria; Seyfullah, Leyla J.; Lee, Daphne E.:** Amber inclusions from New Zealand
- 17.00–17.15: **Solórzano Kraemer, Mónica M.; Stebner, Frauke; Peris, David:** Taphonomy of amber and the importance of copal



- 17.15–17.30: **Sadowski, Eva-Maria; Seyfullah, Leyla J.; Sadowski, Friederike; Fleischmann, Andreas; Behling, Hermann; Schmidt, Alexander R.:** Roridulid leaves from Baltic amber
- 17.30–17.45: **Alexeev, Pavel; Alexeev, Vitaly:** Review of Fagaceae from the Eocene Baltic amber
- 17.45–18.00: **Seyfullah, Leyla J.; Sadowski, Eva-Maria; Schmidt, Alexander R.:** Graminoids from Baltic amber

## AULA 1B

*S15. Mesozoic events traced on land and in the sea (convenors: Vivi Vajda & Wolfram M. Kürschner)*

- 08.30–09.00: **Braman, Dennis R. (keynote):** North American Terrestrial Cretaceous–Paleocene Boundary: a review
- 09.00–09.15: **Li, Jianguo; Batten, David J.:** Late Jurassic–Early Cretaceous palynological assemblages from the southern Qinghai-Xizang plateau, China
- 09.15–09.30: **Vajda, Vivi; Raine, J. Ian; Prior, Christine:** Carbon isotope ( $\delta^{13}\text{C}$ ) anomaly across the New Zealand terrestrial Cretaceous–Paleogene boundary revealing disruption in the global carbon cycle
- 09.30–10.00: **McElwain, Jennifer (keynote):** Tipping points, taphonomy and global biogeochemical feedbacks: Insights from the Triassic–Jurassic mass extinction interval, Astartekløft, East Greenland
- 10.00–10.15: **Baranyi, Viktória; Pálffy, József; Riding, James B.; Görög, Ágnes; Raucsik, Béla:** Climate-driven changes among successive organic walled phytoplankton assemblages during the Toarcian Oceanic Anoxic Event
- 10.15–10.30: **Kennedy, Alice E.; Coe, Angela L.; Gosling, William D.:** High-resolution marine and terrestrial palynomorph changes over the Toarcian Oceanic Anoxic Event, Yorkshire, UK

10.30–11.00: COFFEE BREAK

*S15. cont.*

- 11.00–11.15: **Cúneo, Nestor Rubén; Escapa, Ignacio; Ramezani, Jahan; Scasso, Roberto; Zavattieri, Ana; Elgorriaga, Andrés:** Chronology of Jurassic floristic events in the Cañadon Asfalto Basin, Patagonia, Argentina
- 11.15–11.30: **Kürschner, Wolfram:** Palaeopolyploidy in fossil plants: evidence from Early Jurassic pollen tetrad and pollen size analysis

- 11.30–11.45: **Soh, Wu Kuang; McElwain, Jennifer; Ian, Wright:** A new palaeo-leaf economic proxy reveals contrasting ecological strategies of Bennettitales and Ginkgoales across the Triassic-Jurassic mass extinction event
- 11.45–12.15: **Schneebeil-Hermann, Elke (keynote):** The Permian–Triassic crisis – a poor start for the vegetation into the Mesozoic?
- 12.15–12.30: **Panfilii, Giulia; Buratti, Nicoletta; Cirilli, Simonetta; Frixia, Alfredo:** Palynology and Palynofacies of the Early Mesozoic organic rich facies in the Hyblean Plateau Petroleum System (SE Sicily, Italy)
- 12.30–12.45: **Mangerud, Gunn; Paterson, Niall William; Mørk, Atle; Cetean, Claudia; Mørkved, Pål Tore:** A multidisciplinary approach to the Upper Triassic succession on Hopen, Arctic Norway
- 12.45–13.00: **Paterson, Niall William; Mangerud, Gunn; Lundschie, Bjørn Anders; Mørk, Atle:** Late Triassic (Carnian) palynostratigraphy of a shallow stratigraphic core, offshore Kong Karls Land, northern Barents Sea, Norwegian Arctic

13.00–14.30: LUNCH

*S13. Devonian transition to forest ecosystems (convenors: Christine Strullu-Derrien, Paul Kenrick & Chris Berry)*

- 14.30–15.00: **Berry, Christopher M.; Stein, William E.; Xu, Honghe; Wang, Yi; Marshall, John E.A. (keynote):** Mid to late Devonian transition to a forested Earth; a synthesis of in situ and megafossil evidence
- 15.00–15.15: **Kenrick, Paul; Strullu-Derrien, Christine:** The early evolution of roots
- 15.15–15.30: **Berry, Christopher M.; Stein, William E.; Xu, Honghe; Wang, Yi; Marshall, John E.A.:** Mid Devonian and early Late Devonian Forests: the Old Red Sandstone continent and beyond
- 15.30–15.45: **Marshall, John; Berry, Chris; Zhu, Huaicheng; Xu, Honghe; Yi Wang; Axe, Lindsay; Wellman, Charlie; Troth, Ian:** Tracking the development of the Mid Devonian forest ecosystems from the spore record
- 15.45–16.00: **Meyer-Berthaud, Brigitte; Decombeix, Anne-Laure; Dunstone, Robert L.; Young, Gavin C.; Momont, Nicolas; Gerrienne, Philippe:** Australian progymnosperms: new discoveries from the Devonian of New South Wales

16.00–16.30: COFFEE BREAK

*S13. cont.*

- 16.30–16.45: **Jiang, Qing; Xu, Honghe; Wang, Yi:** Tetraxylopteris (Progymnospermales: Aneurophytales) from the Middle Devonian of North Xinjiang, China and the ecosystematic inference of Aneurophytales in the associated Hujiersite Flora
- 16.45–17.00: **Ardashova, Eugenia; Snigirevsky, Sergey:** Reproductive organs of *Archaeopteris fissilis* Schmalh. from the Upper Devonian of the Middle Timan
- 17.00–17.15: **Liu, Le; Wang, Deming; Xue, Jinzhuang; Meng, Meicen:** Growth habit of fossil lycopsids: two examples from the Middle-Upper Devonian of South China
- 17.15–17.30: **Strullu-Derrien, Christine; Kenrick, Paul; Xu, Honghe; Berry, Christopher M.:** The co-evolution of plants and fungi - a foundation for the development of forest ecosystems
- 17.30–17.45: **Morris, Jennifer; Beerling, David; Stein, William; Berry, Chris; Marshall, John; Wellman, Charles; Leake, Jonathan:** Early forest soils from the Middle Devonian of New York State
- 17.45–18.00: **Carpenter, David K.; Marshall, John E.A.; Beerling, David J.; Wellman, Charles H.:** Charcoal, Forests, and Earth's Palaeozoic geochemical oxygen cycle
- 18.00–18.15: **Stephenson, Charlotte:** Deciphering the Origin of Plant Silica Bodies: A novel investigation into the earliest Phytoliths in Earth's History

AULA CATULLO

*S11. Estimating past climate variability from terrestrial (bio-)indicators (convenors: Natalie Combourieu Nebout, O. Peyron, Adele Bertini & Antonella Buccianti)*

- 08.30–08.45: **Combourieu Nebout, Natalie; Peyron, O.; Bertini, Adele & Buccianti, Antonella:** Introduction
- 08.45–09.15: **Buccianti, Antonella (keynote):** Are we sure that our compositional data are correctly analyzed? A discussion on how geometry affects our perception of the covariance structure of natural phenomena
- 09.15–09.30: **Stewart, David; MacLeod, Norman:** Automated Leaf Character Identification
- 09.30–09.45: **Porter, Amanda S.; Colombi, Carina E.; Parish, Judith T.; Montañez, Isabel P.; McElwain, Jennifer C.:** Reconstructing the palaeo-environment of the earliest known dinosaurs
- 09.45–10.00: **Moiseeva, Maria:** The Santonian–Campanian floras and palaeoclimate of Chukotka, Northeastern Russia

- 10.00–10.15: **Xing, Yaowu; Huang, Yongjiang; Jacques, Frédéric M.B.; Su, Tao; Zhou, Zhekun; Linder, H. Peter:** From the green-house to the ice-house: the Oligocene vegetation and climate of Eurasia
- 10.15–10.30: **Wang, Yuqing; Wang, Li; Lebreton-Anberree, Julie; Zhou, Zhekun:** Estimating paleo-CO<sub>2</sub> levels from the late Paleocene–early Eocene to Late Pleistocene based on fossil leaf of *Metasequoia*

10.30–11.00: COFFEE BREAK

*S11. cont.*

- 11.00–11.15: **Orain, Ronan; Bruch, Angela; Peyron, Odile; Russo Ermolli, Elda; Lebreton, Vincent:** Pollen-based reconstruction of climate patterns during MIS 13: a NW-SE transect along the Southern Apennines (Italy)
- 11.15–11.30: **Pickarski, Nadine; Litt, Thomas:** Vegetation and climate history during the last 130 ka BP at Lake Van, eastern Anatolia (Turkey)
- 11.30–11.45: **Weisbrodt, Dawid; Tylmann, Wojciech; Pędziszewska, Anna; Lat-  
ałowa, Małgorzata:** Evidence for strong influence of the long term North Atlantic Atmospheric Circulation changes on terrestrial and lake ecosystems in Northern Poland
- 11.45–12.00: **Palagushkina, Olga; Nazarova, Larisa; Schirraister, Lutz; Weterich, Sebastian; Syrykh, Lyudmila:** Diatom assemblage from Permafrost sediments as indicator of Late Quaternary environment dynamics in Beringia
- 12.00–12.15: **Marret, Fabienne; Bradley, Lee; Shumilovskikh, Lyudmila; Ivanova, Elena; Murdmaa, Ivor:** Environmental changes in the SE and NE Black Sea during the Late Quaternary: palynological evidence
- 12.15–12.30: **Leroy, Suzanne A G; Kakroodi, Ata A; Chalié, Françoise; López-Merino, Lourdes:** Forcing factors on Caspian Sea level changes in the Late Pleistocene and Early Holocene: contribution of palynology
- 12.30–12.45: **Klemm, Juliane; Herzsuh, Ulrike:** Pollen-based climate reconstruction in tundra and northern taiga biomes of Arctic Siberia
- 12.45–13.00: **Molinari, Chiara; Lehsten, Veiko; Blarquez, Olivier; Clear, Jennifer; Carcaillet, Christopher; Bradshaw, Richard H.W.:** Comparing boreal forests fire regimes in Europe and North America during the Holocene: dynamics and drivers

13.00–14.30: LUNCH

*S27. Anthracological and megafossil studies from Quaternary deposits (convenors: Marie Claude Bal-Serin & Juan M. Rubiales)*

- 14.30–14.45: **Bobek, Přemysl; Svobodová Svitavská, Helena; Obstová, Barbora; Švarcová, Markéta Gabriela; Wild, Jan:** Fire disturbance regime within tem-

perate forest: multiple-site charcoal and pollen record from the sandstone landscape

- 14.45–15.00: **Cunill, Raquel; Métaillé, Jean Paul; Galop, Didier; De Munnik, Nicolas; Poublanc, Sébastien:** The lowland fir woods of central Pyrenees piedmont (Ariege & Haute-Garonne, France): anthropic plantation or paleoenvironmental heritage?
- 15.00–15.15: **García Álvarez, Salvia; Bal-Serin, Marie C.; Rubiales, Juan M.; García-Amorena, Ignacio; Allée, Philippe:** The origin of the open landscapes of the highlands of Gredos (central Spain) during the Holocene: a pedoanthracological approach
- 15.15–15.30: **Moreno-Amat, Elena; Rubiales, Juan Manuel; Morales del Molino, César; García-Amorena, Ignacio:** More macrofossils are needed to successfully model late-Quaternary vegetation
- 15.30–15.45: **Robin, Vincent; Bork, Hans-Rudolf; Nelle, Oliver:** Late Quaternary forest and fire history of a Central European low mountain range inferred from soil charcoal analysis
- 15.45–16.00: **Rubiales, Juan Manuel; García Amorena, Ignacio:** Nuances matter: How fossil woody remains changed the interpretation of the vegetation in Iberia

16.00–16.30: COFFEE BREAK

*S1. Pioneers of European Palaeobotany and Palynology (convenors: Christopher J. Cleal & Heather S. Pardoe)*

- 16.30–16.45: **Cleal, Christopher J.:** A servant and an aristocrat: two side of palaeobotany in early 19th century British palaeobotany
- 16.45–17.00: **Pardoe, Heather:** Dr Harold Augustus Hyde (1892-1973): a pioneering palynologist

## AULA ARDUINO

*S28. Ecological insights from Quaternary vegetation reconstructions (convenors: Thomas Giesecke & Simon Brewer)*

- 08.30–08.45: **Giesecke, Thomas & Brewer, Simon:** introduction
- 08.45–09.00: **Latałowa, Małgorzata; Zimny, Marcelina; Pędziszewska, Anna; Borówka, Ryszard K.; Samojlik, Tomasz; Jędrzejewska, Bogumiła:** 2000-year interplay of environmental and cultural forces in the Białowieża Primeval Forest (NE Poland)
- 09.00–09.15: **Marquer, Laurent; Gaillard, Marie-José; Sugita, Shinya; Poska, Anneli; Trondman, Anna-Kari; Mazier, Florence; Nielsen, Anne Birgitte; Fyfe, Ralph M.:** Holocene vegetation composition in northern Europe based on

land cover reconstructions: human- versus climate-induced changes in plant diversity and composition

- 09.15–09.30: **Reitalu, Triin; Gerhold, Pille; Väli, Vivika; Poska, Anneli; Pärtel, Meelis; Veski, Siim:** Palynological richness, evenness, phylogenetic and functional diversity over the entire post-glacial period in NE Europe
- 09.30–09.45: **Pal, Iona; Enikő Magyari; Buczkó, Krisztina; Braun, Mihály; Pálffy, József; Molnár, Mihály; Finsinger, Walter:** The impact of the 8.2 ka rapid climate change event on the vegetation and lake ecosystem of the South Carpathian Mountains, Romania
- 09.45–10.00: **Panagiotopoulos, Konstantinos; Papadopoulou, Maria; Panajiotidis, Sampson; Tsakiridou, Margarita; Schäbitz, Frank:** Ecological insights from a long pollen record from a mid-altitude site in SW Balkans
- 10.00–10.15: **Feurdean, Angelica; Marinova, Elena; Nielsen, Anne B.; Hickler, Thomas:** Forest steppe or temperate forest? On the origin of the forest steppe with exceptional grassland diversity in Transylvania (CE Europe)
- 10.15–10.30: **Magyari, Enikő Katalin; Kuneš, Petr; Jakab, Gusztáv; Sümegi, Pál; Pelánková, Barbora; Schäbitz, Frank; Chytrý, Milan:** Late Pleniglacial vegetation in eastern-central Europe: are there modern analogues in Siberia?

10.30–11.00: COFFEE BREAK

S28. *cont.*

- 11.00–11.15: **Magri, Donatella; Agrillo, Emiliano; Di Rita, Federico; Furlanetto, Giulia; Pini, Roberta; Ravazzi, Cesare; Spada, Francesco:** Holocene dynamics of tree taxa populations in Italy
- 11.15–11.30: **Montade, Vincent; Ledru, Marie-Pierre; Burte, Julien; Martins, Eduardo Sávio Passos Rodrigues; Verola, Christiano Franco; Magalhães e Silva, Francisco Hilder:** Stability of a Neotropical microrefugium during climatic instability
- 11.30–11.45: **Jantz, Nele; Behling, Hermann:** Fire in the Campos de Altitude (South eastern Brazil) – preservation or destruction?
- 11.45–12.00: **Clear, Jennifer; Bradshaw, Richard; Seppä, Heikki:** Spatio-temporal variability in fire and vegetation dynamics in Fennoscandia
- 12.00–12.15: **Kuosmanen, Niina; Fang, Keyan; Reitalu, Triin; Clear, Jennifer L.; Bradshaw, Richard H. W.; Seppä, Heikki:** Predictors of long-term stand-scale dynamics in taiga forest of NW Russia
- 12.15–12.30: **Sapelko, Tatyana; Subetto, Dmitry; Subetto, Dmitry:** Palaeoecological data from Holocene lake sediments in the Solovki Islands, the White Sea
- 12.30–12.45: **Adojoh, Onema; Marret, Fabienne; Duller, Robert; Osterloff, Peter:** Palaeovegetation and palynodebris components dynamics as an indicator for climate and sea level change: Implications and insights from 3 gravity core locations, shallow offshore, Niger Delta, Gulf of Guinea, Nigeria

13.00–14.30: LUNCH

*S29. Holocene Mediterranean ecosystem responses to climate change, fire and land use (convenors: Daniele Colombaroli, Walter Finsinger & Willy Tinner)*

- 14.30–14.45: **Mercuri, Anna Maria:** Genesis and evolution of the cultural landscape in Italy: the on-site/off-site integration of pollen data
- 14.45–15.00: **Buonincontri, Mauro; Allevato, Emilia; Saracino, Antonio; Di Pasquale, Gateano:** Human-derived landscape changes on the northern Etruria (western Italian coast) between Ancient Roman times and the Late Middle Ages
- 15.00–15.15: **Tunno, Irene; Mensing, Scott; Cifani, Gabriele; Piovesan, Gianluca:** Reconstruction of 2700 years of vegetation history in the Rieti basin (central Italy)
- 15.15–15.30: **Pedrotta, Tiziana; Colombaroli, Daniele; Henne, Paul D.; Tinner, Willy:** Holocene vegetation history of Lago di Baratz, Sardinia (Italy)
- 15.30–15.45: **Leys, Bérangère; Finsinger, Walter; Carcaillet, Christopher:** Historical range of fire frequency is not the Achilles' heel of the Corsican black pine ecosystem
- 15.45–16.00: **Battentier, Janet; Binder, Didier; Lepère, Cédric; Théry, Isabelle; Thiébaud, Stéphanie; Carré, Alain; Delhon, Claire:** Charcoal analysis of Pendimoun & Pertus II cavities (Provence, Southeastern France): an approach of management and exploitation of the environment during the Neolithic

16.00–16.30: COFFEE BREAK

*S29. cont.*

- 16.30–16.45: **Pini, Roberta; Comolli, Roberto; De Gattis, Gaetano; Guerreschi, Antonio; Raiteri, Luca; Ravazzi, Cesare:** Men at the timberline: multidisciplinary paleoecological evidence for the oldest prehistoric human-made pastures in the western Italian Alps (Aosta Valley)
- 16.45–17.00: **Michetti, Alessandro Maria; Martinelli, Elisa; Motella, Sila; Tinner, Willy; Colombaroli, Daniele:** Reconstruction of human impact and vegetation dynamics in Lake Como basin (S-Alps, Italy) during the Holocene: new data from pollen and plant macrofossils analyses on two lacustrine continuous sequences
- 17.00–17.15: **Miebach, Andrea; Litt, Thomas; Roeser, Patricia Angelika:** Vegetation dynamics in response to climate change and land use: a pollen record from the Marmara region (NW Turkey) encompassing the last 31,000 years
- 17.15–17.30: **Masi, Alessia; Masi, Alessia; Pepe, Caterina; Sadori, Laura; Francke, Alexander; Wagner, Bernd:** Vegetation and climate variability in the Balkan region: the Holocene palynological record from Lake Dojran (Greece/FYROM)

17.30–17.45: **Joannin, Sebastien; Fletcher, William J; Campbell, Jennifer; Zielhofer, Christoph; Mischke, Steffen:** Holocene vegetation and climate change of Lake Sidi Ali (Middle Atlas, Morocco)

18.00–19.30 POSTER SESSION WITH DRINKS

evening: SOCIETY MEETINGS: Collegium Palynologicum Scandinavicum (CPS), IAWA, Executive Committee of IOP meeting

### **Friday, 29th August, 2014**

MIDCONFERENCE FIELDTRIPS (optional):

1MC - THE EOCENE FOSSILLAGERSTÄTTE OF MONTE BOLCA (Guido Roghi, Roberto Zorzin, Edoardo Martinetto, Evelyn Kustatscher, Luca Giusberti, Cesare Papazoni & Volker Wilde)

2MC - THE QUATERNARY OF THE ITALIAN ALPS: VEGETATION, PALAEOENVIRONMENT AND CLIMATE (Roberta Pini, Cesare Ravazzi & Federica Badino)

### **Saturday, 30th August, 2014**

8.30–11.30: REGISTRATION DESK

AULA 1F+1E (connected)

*S18. Early angiosperms: diversity, ecology, phylogeny and physiology (convenors: Barry Lomax, Garland Upchurch & Jiří Kvaček)*

08.30–09.00: **Doyle, James (keynote):** Current status of correlation of the Potomac Group angiosperm sequence

09.00–09.15: **Lee, Alexandra; Upchurch, Garland; Murchie, Erik; Lomax, Barry:** Dark and disturbed or just disturbed? Modelling thermal tolerance to determine habitat preferences in early angiosperms

09.15–09.30: **Horikx, Maurits; Hochuli, Peter; Heimhofer, Ulrich:** High-resolution angiosperm pollen record from a well-dated Albian section in the Lusitanian Basin, Portugal



- 09.30–09.45: **Legrand, Julien; Yamada, Toshihiro; Nishida, Harufumi:** Appearance of angiosperms in Japan inferred from a late Barremian palynoflora discovered in the Nishihiro Formation, Kii Peninsula
- 09.45–10.00: **Upchurch, Garland; Richey, Jon; Joeckel, R.M.; Suarez, Marina; Ludvigson, Greg; Smith, Jon:** Stratigraphy of the Rose Creek Pit, Dakota Formation of Nebraska: Implications for the minimum age of Pentapetalae and Lauraceae.
- 10.00–10.30: **Hochuli, Peter A. (keynote):** Pre-Cretaceous records of angiosperm-like pollen grains or how to deal with «inopportune» finds?

10.30–11.00: COFFEE BREAK

*S18. cont.*

- 11.00–11.15: **Wang, Xin:** Homology and Origin of the Carpels in Angiosperms
- 11.15–11.30: **Yiotis, Charilaos; McElwain, Jennifer C.:** Low resistance to CO<sub>2</sub> diffusion and the fine control of stomatal aperture facilitated the explosive radiation of early angiosperms
- 11.30–11.45: **Kvaček, Jiří; Daviero-Gomez, Véronique; Gomez, Bernard; Doyle, James:** Reassessment of *Pseudoasterophyllites cretaceus* – an early representative of basal angiosperms
- 11.45–12.00: **McLean, Duncan; Van Hinsbergen, Douwe JJ; Davies, Sarah J; Cunningham, Dickson W:** Geochronological calibration of the first appearance of *Asteropollis* in southern Mongolia
- 12.00–12.30: **Friis, Else Marie; Pedersen, Kaj Raunsgaard; Crane, Peter R. (keynote):** Chlamydospermous seeds and early angiosperms

13.00–14.30: LUNCH

*S6. Exceptional, three-dimensionally preserved biotas (convenors: Steve McLoughlin & Jason Hilton)*

- 14.30–14.45: **Luthardt, Ludwig; Rößler, Ronny; Schneider, Jörg W.:** The petrified forest ecosystem of Chemnitz (Early Permian) – indications for climatic and site-specific environmental conditions derived from the palaeosol
- 14.45–15.00: **Rößler, Ronny:** The root systems of Permian calamitaleans: evidence from two fossil forests of the Northern and Southern hemispheres
- 15.00–15.30: **Bomfleur, Benjamin; Vajda, Vivi; McLoughlin, Stephen (keynote):** The spectacular preservation and manifold impacts of a Jurassic royal-fern rhizome “frozen” in hydrothermal calcite
- 15.30–15.45: **Spencer, Alan R.T.; Kenrick, Paul; Steart, David C.; Garwood, Russell J.; Hilton, Jason; Munt, Martin C.; Needham, John:** An exceptional three-dimensionally preserved *Pararaucaria* (Cheirolepidiaceae) ovuliferous

cone from the late Jurassic of Southern England: non-destructive recovery of full anatomical and histological detail using Diamond Light Source synchrotron  
 15.45–16.00: **Moreau, Jean-David; Néraudeau, Didier; Gomez, Bernard; Tafforeau, Paul; Dépré, Éric:** X-ray synchrotron microtomography of conifer inclusions from the Cenomanian flint nodules of Charente-Maritime, western France

16.00–16.30: COFFEE BREAK

*S6. cont.*

16.30–16.45: **Benedict, John C.; Smith, Selena Y.; Pigg, Kathleen B.; DeVore, Melanie L.:** Late Paleocene Zingiberales fossils from North Dakota, USA, and their evolutionary and biogeographic significance  
 16.45–17.00: **McLoughlin, Stephen; Bomfleur, Benjamin; Mörs, Thomas:** Clitellate annelid cocoons as a fossilization medium for micro-organisms  
 17.00–17.15: **Rozefelds, Andrew; Dettmann, Mary; Clifford, Trevor; Hocknull, Scott:** Computed tomography (CT), a new approach to resolving homologies between extant and fossil fruits of *Pleiogynium* (Anacardiaceae)  
 17.15–17.30: **Ravazzi, Cesare; De Nascimento, Lea; Marrero, Aguedo; Rodríguez-Berriguete, Alvaro; Sosa, Pedro; Del Carmen Cabrera, Maria; Daina, Patrizio; Fernandes Palacios, José M.; Furlanetto, Giulia; Perez Torrado, Francisco-José; Pini, Roberta; Rodriguez Gonzalez, Alejandro; Martín-García, Rebeca; Alonso-Zarza, Ana M.:** An exceptional tufa with palm remains from Gran Canaria. Preliminary paleobotanical report

## AULA 1B

*S37. Palaeozoic Palynostratigraphy of the Arabian Plate and Adjoining Regions, and global correlation (CIMP sponsored) (convenors: Charlie Wellman & Marco Vecoli)*

08.30–09.00: **Al-Hajri, Sa'id (keynote):** On the mutual benefits of collaboration between industry and academia: the palynology of the Paleozoic of Saudi Arabia as a case study  
 09.00–09.15: **Strother, Paul K.; Taylor, Wilson A.; Vecoli, Marco:** Sporoderm Evolution in Cryptospores from the Darriwilian of Saudi Arabia  
 09.15–09.30: **Le Hérissé, Alain; Steemans, Philippe; Wellman, Charles H.; Vecoli, Marco:** Darriwilian (Middle-Ordovician) elements of primitive vegetation, marine palynomorphs and problematic microfossils, from the Saq/Qasim transitional beds in core QSIM 801, central Saudi Arabia. Discussion with eustatic and climatic events

- 09.30–09.45: **Ghavidel-syooki, Mohammad:** Cryptospore and miospore assemblages from Upper Ordovician (Katian- Hirnantian) strata of the Alborz Mountain Ranges, Northeastern Iran: Palaeophytogeographic and Palaeoclimatic implications
- 09.45–10.00: **Molyneux, Stewart; Wilby, Phil; Kendall, Rhian:** Quantitative analysis of early Wenlock palynological assemblages across the margin of the Welsh Basin: implications for Early Palaeozoic shale plays
- 10.00–10.15: **Wood, Gordon D.; Miller, Merrell A.:** A Comparison of Western and Northern Gondwanan Lower Silurian Acritarch Assemblages
- 10.15–10.30: **Wellman, Charles H.; Breuer, Pierre; Miller, Merrell A.; Steemans, Philippe:** Early Silurian Cryptospores from the Subsurface of Saudi Arabia

10.30–11.00: COFFEE BREAK

*S37. cont.*

- 11.00–11.15: **Clayton, Geoff; Goodhue, Robbie; Breuer, Pierre; Owens, Bernard:** Preliminary results from a palynostratigraphic and thermal maturity investigation of the Carboniferous Berwath Formation in northern Saudi Arabia
- 11.15–11.30: **Spina, Amalia; Cirilli, Simonetta; Stephenson, Michael H.; Arianasab, Mohammad, R.; Sabbaghiyan, Hossein; Sabouri, Jafar; Rettori, Roberto:** Palynology of the Permian Faraghan Formation in the Zagros Basin, Southern Iran

*S38. What's trendy in pre-Cambrian and Palaeozoic Palynology? (CIMP sponsored) (convenors: Jacques Verniers & Philippe Steemans)*

- 11.30–11.45: **Moczyłowska, Małgorzata:** Biological affinities of the Ediacaran and Cambrian organically preserved microfossils with internal reproductive bodies
- 11.45–12.00: **Vajda, Vivi; Badawy, Ahmed; Mehlqvist, Kristina:** Greening of Baltica – Late Ordovician spore assemblages from Sweden
- 12.00–12.15: **Verniers, Jacques; Kleffner, Mark; Van de Moortel, Ivo; Steeman, Thomas; Mortier, Jan; Vandenbroucke, Thijs; Cramer, Bradley; Brett, Carl:** New Telychian and Sheinwoodian chitinozoans from Kentucky and Ohio, USA
- 12.15–12.30: **Brocke, Rainer; Fatka, Oldrich; Lindemann, Richard H.; Schindler, Eberhard; Ver Straeten, Charles A.:** The Early Mid-Devonian Choteč event in its type area in the Prague Basin and the Appalchian Basin: New insights from palynomorphs and dacryoconarids
- 12.30–12.45: **Lopes, Gilda; Pereira, Zélia; Fernandes, Paulo; Marques, João:** Palynostratigraphic study of Lower Karoo rocks in the Moatize-Minjova Coal Basin, Mozambique – preliminary results

13.00–14.30: LUNCH

*S12. The "terrestrialisation process" in the Palaeozoic: colonization of land plants of the continents and impact on the bio/geosphere (convenors: Brigitte Meyer-Berthaud, Thomas Servais & Marco Vecoli)*

- 14.30–14.45: **Servais, Thomas; Nützel, Alexander; Martin, Ron:** Did the "terrestrialisation process" result in a "phytoplankton blackout" in the late Palaeozoic?
- 14.45–15.00: **Taylor, Wilson A.; Strother, Paul K.:** Ultrastructural analysis of cryptospores from the Middle Ordovician of Saudi Arabia and their significance in the evolution of spore walls
- 15.00–15.15: **Wellman, Charles H.:** Late Silurian-Early Devonian land plants from Spitsbergen: a glimpse of the equatorial vegetation of the Old Red Sandstone continent
- 15.15–15.30: **Quijada, Melesio; Riboulleau, Armelle; Strother, Paul; Taylor, Wilson; Versteegh, Gerard J.M.:** *Protosalvinia* revisited, new evidences for land plants affinity
- 15.30–15.45: **Libertín, Milan; Kvacek, Jiří; Bek, Jiří:** Genus *Cooksonia* from Wenlock of the Bohemian Massif
- 15.45–16.00: **Cascales-Miñana, Borja; Meyer-Berthaud, Brigitte:** Diversity patterns of the vascular plant group Zosterophylloids

16.00–16.30: COFFEE BREAK

*S12. cont.*

- 16.30–16.45: **Gerrienne, Philippe; Gensel, Patricia:** Additional information on branching pattern and tracheid wall structure of the earliest woody plant (Early Devonian of Montjean-sur-Loire, France)
- 16.45–17.00: **Gensel, Patricia G.:** Diversity and ecology of trimerophyte-grade basal euphyllophytes- what we do and do not know...or...find more anatomy!
- 17.00–17.15: **Xue, Jinzhuang; Hao, Shougang:** Out of South China: the Early Devonian explosion of euphyllophyte lineages
- 17.15–17.30: **Momont, Nicolas; Gerrienne, Philippe; Prestianni, Cyrille:** New information, including secondary xylem anatomy and emission pattern, on the genus *Crossia* (Stenokoleales) Beck et Stein from Belgium (Middle Devonian)
- 17.30–17.45: **Prestianni, Cyrille; Momont, Nicolas; Gerrienne, Philippe:** The male organs of some Late Devonian spermatophytes: a link with the Aneurophytales.
- 17.45–18.00: **Tomescu, Alexandru M.F.:** Root evolution at the interface of paleontology and developmental biology
- 18.00–18.15: **Decombeix, Anne-Laure; Galtier, Jean; Meyer-Berthaud, Brigitte:** After *Archaeopteris*: Recent advances in our understanding of the diversity, distribution, and biology of Early Carboniferous (pro)gymnosperm trees

- 18.15–18.30: **Wilson, Jonathan P.:** Hydraulic strategies in early-diverging vascular plants and seed plants

### AULA CATULLO

*S22. Celebrating the legacies of Dieter H. Mai and Harald Walther: Cenozoic taxonomy, palaeoecology, and phytostratigraphy based on coordinated palaeobotanical investigations (convenors: Zlatko Kvacek, Steven Manchester, Johanna Kovar-Eder, Lutz Kunzmann & Edoardo Martinetto)*

- 08.15–08.45: **Kvaček, Zlatko; Manchester, Steven R.:** Remembering Dieter Hans Mai and Harald Walter
- 08.45–09.00: **Kovar-Eder, Johanna:** Introduction
- 09.00–09.15: **Smith, Selena Y.; Collinson, Margaret E.; Benedict, John; Leong-Skornickova, Jana; Marone, Federica:** Re-investigation of *Alpinia* and *Spirematospermum* (Zingiberales; gingers and their relatives) in the European Cretaceous and Paleogene
- 09.15–09.30: **Grote, Paul J.:** *Gordonia* revisited
- 09.30–09.45: **Lebreton-Anberrée, Julie; Jacques, Frédéric M.B.; Zhou, Zhe-Kun:** The first fossil fruits of *Burretiodendron* (Malvaceae s.l.) and associated leaf from the Late Miocene of Yunnan, China and its environmental implications
- 09.45–10.00: **Manchester, Steven R.; Pigg, Kathleen B.:** Mastixiaceae (Cornales) in the Cenozoic of Europe and North America
- 10.00–10.15: **Stockey, Ruth A.:** Phylogeny and fruit evolution in early diverging asterids: Cornales fruits from the Paleogene of Vancouver Island, Canada
- 10.15–10.30: **Martinetto, Edoardo:** Challenges to the monographic investigation of the Pliocene and Early Pleistocene carpofloras of Italy

10.30–11.00: COFFEE BREAK

*S22. cont.*

- 11.00–11.15: **Zyuganova, Inna; Makkaveyev, Alexander:** New palaeocarpological record from the Middle Pleistocene of Moscow region
- 11.15–11.30: **Gabrielyan, Ivan:** Reconstruction of Fossil Plant Communities of Sisian Formation, Armenia, based on Nearest Living Relative Plant Communities
- 11.30–11.45: **Kern, Andrea K.; Kern, Andrea K.; Kovar Eder, Johanna; Zhang, Shuqin; Wang, Weiming; Wang, Pujun; Stachura Suchoples, Katarzyna; Sun, Ge:** New discoveries of the Neogene flora in Badaogou (Changbai Mountains, NE China)

- 11.45–12.00: **Kunzmann, Lutz:** Piece together a puzzle or take it to pieces again: state of knowledge on late Eocene riparian vegetation in central Europe
- 12.00–12.15: **Thiv, Mike; Kondraskov, Paulina; Schütz, Nicole; Kovar-Eder, Johanna:** No leftovers, but a new dish: molecular dating questions the status of Macaronesian laurel forests as 'Tertiary' relicts
- 12.15–12.30: **Gee, Carole T.; Taylor, David Winship:** Phylogenetic analysis meets fossil Nymphaeales: Leaf architectural characters in water lilies from the Oligocene fossilagerstätte of Rott, Germany, and implications for taxonomic affinity
- 12.30–12.45: **Zidianakis, Giannis; Zelilidis, Avraam; Iliopoulos, George; Kovar-Eder, Johanna:** The plant assemblage of *Pitsidia* (Messara basin, Crete, Miocene) - Reconstructing seedplants from isolated organs
- 12.45–13.00: **Worobiec, Elżbieta; Szulc, Joachim:** Palynological studies of Neogene palaeosinkhole deposits as a tool for palaeoenvironmental reconstruction – new examples from Poland

13.00–14.30: LUNCH

*S19. Palaeogene floras and vegetation of the Arctic to subarctic regions (convenors: Friðgeir Grímsson & Reinhard Zetter)*

- 14.30–15.00: **Denk, Thomas; Grímsson, Friðgeir; Zetter, Reinhard (keynote):** Origins of the north-temperate tree flora: revisiting Engler's concept of the Arcto-Tertiary element
- 15.00–15.15: **Zetter, Reinhard; Grímsson, Friðgeir:** Early Paleocene palynoflora from nodular phosphorites of the Nuussuaq Peninsula, West Greenland
- 15.15–15.30: **DeVore, Melanie; Pigg, Kathleen:** Invading high elevations and latitudes: how can we look at fossil floras and uncover strategies for occupying regions subjected to freezing?
- 15.30–15.45: **Grímsson, Friðgeir; Zetter, Reinhard; Pedersen, Gunver Krarup; Pedersen, Asger Ken; Denk, Thomas:** Middle Eocene palynoflora from a resinite-rich coal bed on Hareøen (Qeqertarsuatsiaq), West Greenland
- 15.45–16.00: **Kezina, Tatiana:** The Cenozoic stratigraphy of the Amur River Basin deposits

16.00–16.30: COFFEE BREAK

*S23. Oligocene to Pleistocene vegetation history of the Eastern Mediterranean (convenors: Thomas Denk, Tuncay Güner & Dimitrios Velitzelos)*

- 16.30–17.00: **Solounias, Nikos; Denk, Thomas (keynote):** The late Miocene “hipparion faunas” were different from present ecologies
- 17.00–17.15: **Velitzelos, Dimitrios:** Messinian macrofloras and palaeoenvironments of northern Greece

- 17.15–17.30: **Bouchal, Johannes M.:** A preliminary report on a combined method study of the palynoflora of the Miocene Yatağan basin, Turkey
- 17.30–17.45: **Güner, H. Tuncay; Denk, Thomas:** Middle Miocene floras and vegetation of the Yatağan Basin, Western Turkey
- 17.45–18.00: **Denk, Thomas; Solounias, Nikos:** The vegetation of the Central Indian Highlands: modern analogue for the Pikermian biome?

18.00: European Pollen Database EPD meeting

### AULA ARDUINO

*S33. Assessing Long-Term Human Impact and climate change through integrated palynological, plant macroremains, molecular and stable isotopes analyses (convenors: Anna Maria Mercuri & Laura Sadori)*

- 08.30–08.45: **Mercuri, Anna-Maria; Sadori, Laura:** introduction
- 08.45–09.00: **Allevato, Emilia; Bellini, Cristina; Bertacchi, Andrea; Boetto, Giulia; Di Pasquale, Gaetano; Giachi, Gianna; Giardini, Marco; Mariotti Lippi, Marta; Masi, Alessia; Pepe, Caterina; Russo Ermolli, Elda; Sadori, Laura:** Archaeobotany in Italian ancient Roman harbours
- 09.00–09.15: **Blaykharchuk, Tatiana A.:** Palaeopollen data from Dikoe Lake (southern Siberia Russia) as evidence of landscape and climate change in course of development of prehistoric human cultures in late Holocene
- 09.15–09.30: **Florenzano, Assunta:** Evolution of a Mediterranean landscape as shown by the archaeo-environmental reconstruction of sites in southern Italy
- 09.30–09.45: **Furlanetto, Giulia; Badino, Federica; Baioni, Marco; Castellano, Lorenzo; Martinelli, Nicoletta; Perego, Renata; Ravazzi, Cesare:** The intermittent phases of human impact imprint during the last 5500 years at Lake Lucone in N-Italy
- 09.45–10.00: **Jamrichová, Eva; Hédl, Radim; Szabó, Péter; Kolář, Ján; Tkáč, Peter; Bobek Přemysl:** Persistence of temperate open woodlands in Europe under the influence of historical human management
- 10.00–10.15: **Kouli, Katerina; Triantaphyllou, Maria; Goiran, Jean-Philippe; Pavlopoulos, Kosmas P.; Fouache, Eric; Dimiza, Margarita:** Holocene vegetation, palaeoenvironment and land use in the area of Piraeus (Attiki, Greece)
- 10.15–10.30: **Kühl, Norbert; Moschen, Robert; Peters, Sabrina; Lücke, Andreas; Vos, Heinz:** Towards separating the main forcings of Holocene environmental change: a lake – peat bog comparison

10.30–11.00: COFFEE BREAK

S33. *cont.*

- 11.00–11.15: **Mariani, Michela; de Nascimento, Lea; Ravazzi, Cesare; Criado, Constatino; Deleo, Sofia; Garozzo, Lorena; Nogué, Sandra; Perez Torrado, Francisco-Jose; Pini, Roberta; Whittaker, Robert; Willis, Kathy; Fernández-Palacios, José María:** First palaeoecological evidence of Holocene vegetation history and human impact in Gran Canaria (Canary Islands)
- 11.15–11.30: **Maritan, Michele; Miola, Antonella; Gaudio, Barbara; Fontana, Alessandro; Mozzi, Paolo:** Vegetation history and human impact from the Late Chalcolithic to the late Roman period in the land of Altinum (North-Eastern Italy)
- 11.30–11.45: **Oeggl, Klaus:** The palaeo-ecological impact of mining activities in the Eastern Alps
- 11.45–12.00: **Pèlachs, Albert; Codron, Juan Carlos; Merino, Almudena; Pérez-Obiol, Ramon; Pérez-Haase, Aaron; Sánchez, Marc; Soriano, Joan Manuel:** Study of environmental contamination, fires and landscape dynamics during the Holocene in a mountain region of southwestern Europe: a comparison between Cantabria and Catalonia
- 12.00–12.15: **Sadori, Laura; Nicoletta, Roberta:** Lago di Vico, central Italy: a detailed late Holocene pollen record
- 12.15–12.30: **Shu, Jun-wu; Jiang, Le-Ping; Wang, Wei-Ming:** Did the ‘slash-and-burn’ strategy enable the early rice (*Oryza*) agriculture in east China?-insights from pollen, phytolith and charcoal evidence
- 12.30–12.45: **Proborukmi, Maria Sekar; Urban, Brigitte:** Holocene climatic and environmental history of the north-west German coastal area constructed from a 20 m section of the Garding-2 research drill core
- 12.45–13.00: **Delusina, Irina; Verosub, Kenneth L.:** Palynological approach for reconstruction of the conditions of Peat Formation in the Sacramento-San Joaquin Delta, California

13.00–14.30: LUNCH

*S31. Quaternary pollen and plant macrofossil records from arctic and alpine landscapes (convenors: Juliane Wolter & Romy Zibulski)*

- 14.30–15.00: **Edwards, Mary (keynote):** The rise and fall of the (late-Quaternary) Bering Land Bridge: ecology, landscape and climate
- 15.00–15.15: **Festi, Daniela; Kofler, Werner; Bucher, Edith; Gabrielli, Paolo; Oeggl, Klaus:** When pollen turns in a chronological tool: daily, seasonal and annual variation of pollen deposition in the Alto dell’Ortles Glacier (3905 m s.l.m., Eastern Alps)



- 15.15–15.30: **Helmens, Karin; Salonen, Sakari; Plikk, Anna; Engels, Stefan; Väiliranta, Minna; Kylander, Malin:** Environmental and climate conditions at Soli in N-Finland during the Eemian Interglacial (MIS 5E)
- 15.30–15.45: **Niemeyer, Bastian; Herzsuh, Ulrike; Pestryakova, Luidmila:** Late Holocene vegetation reconstruction inferred by a lacustrine pollen and green-algae record from the Taymyr peninsula, Northern Siberia
- 15.45–16.00: **Nosevich, Ekaterina; Anisimov, M.A.; Sapelko, T.V.; Holod, S.S.:** Subrecent pollen spectra of surface samples from the archipelago Franz Josef Land

16.00–16.30: COFFEE BREAK

*S31. cont.*

- 16.30–16.45: **Seppä, Heikki; Fang, Keyan; Morris, Jesse L; Salonen, J. Sakari; Miller, Paul A; Renssen, H; Sykes, Martin S:** How robust are Holocene treeline simulations? A model–data comparison in the European Arctic treeline region
- 16.45–17.00: **Strother, Stephanie; Salzmann, Ulrich; Roberts, Steve; Hodgson, Dom; Woodward, John; Nieuwenhuyze, Wim; Sterken, Mieke; Verleyen, Elie; Vyverman, Wim; Moreton, Steve:** Holocene vegetation and change of southern westerly wind belts reconstructed from a high-resolution sub-Antarctic pollen record at Fan Lake, South Georgia
- 17.00–17.15: **Vincze, Ildiko.; Orbán, Ildiko; Marinova, Elena; Jakab, Gusztáv; Birks, Hilary Helen; Finsinger, Walter; Magyari, Enikő Katalin:** Late-glacial and Holocene treeline changes in the Southern Carpathians (Romania): climatic and anthropogenic drivers of the vegetation changes
- 17.15–17.30: **Wolter, Juliane; Lantuit, Hugues; Herzsuh, Ulrike; Fritz, Michael:** A Late Holocene palaeoenvironmental lake record from the Yukon Coastal Plain, NW Canada

*S32. Wooden artifacts: from wood identification to dating and conservation/restoration strategies (convenors: Franco Palla, Manuela Romagnoli & Laura Sadori)*

- 17.30–17.45: **Odin, Giliane P.; Vanmeert, Frederick; Janssens, Koen; De Franceschi, Dario; Allain, Ronan; Rouchon, Véronique:** Comprehension and evaluation of conservative treatments of lignitized pyritic woods
- 17.45–18.00: **Palla, Franco; Barresi, Giovanna; Di Carlo, Enza:** DNA analysis as tool for identification of bacteria in archaeological waterlogged wood
- 18.00–18.15: **Romagnoli, Manuela; Antoniella, Gabriele; Pelosi, Claudia; Taddei, Anna Rita; Mazzaglia, Angelo; De Angelis, Maria Cristina:** Characterization of “Fossil Wood” in the ring caves of Orvieto town. From the paleoenvironmental reconstruction, to the best practice of wood conservation

20.00: SOCIAL DINNER at Caffè Pedrocchi (optional)

### **Sunday, 31<sup>st</sup> August, 2014**

8.30–11.30: REGISTRATION DESK

#### **AULA 1F+1E (connected)**

*S7. The Ultrastructure of Spores and Pollen: advances in Methods and Theory (convenors: Maria Tekleva, Michael Zavada & Natalia Zavalova)*

- 11.00–11.30: **Zavada, Michael S. (keynote):** Is Palynology a sub-discipline or meta-discipline?
- 11.30–11.45: **Friis, Else Marie; Pedersen, Kaj Raunsgaard; Marone, Federica:** High resolution synchrotron based X-ray tomographic microscopy (SRXTM) in the study of fossil megaspores
- 11.45–12.00: **Lomax, Barry; Gosling, William; Jardine, Phillip; Fraser, Wesley:** Unlocking the potential of sporopollenin chemistry for palaeoproxy development
- 12.00–12.15: **Villanueva-Amadoz, Uxue; Estévez-Gallardo, Pablo; Diez, José B.:** New contributions of the ultrastructure of *Classopollis* using FIB-SEM technique
- 12.15–12.30: **Bolinder, Kristina; Niklas, Karl J.; Rydin, Catarina:** Correlation between aerodynamic features and exine ultrastructure in pollen of *Ephedra* (Gnetales)
- 12.30–12.45: **Gomankov, Alexey V.; Tarasevich, Valentina F.:** Ultrastructure of *Vittatina*-like pollen grains from the Permian of the Russian Platform
- 12.45–13.00: **Zavalova, Natalia; Nosova, Natalya; Gordenko, Natalia; Gavrilova, Olga:** Fine morphology and affinity of pollen grains associated with seeds from the Middle Jurassic of Uzbekistan

13.00–14.30: LUNCH

*S7. cont.*

- 14.30–14.45: **Tekleva, Maria; Maslova, Natalia:** Fine structure of pollen adhered to Cretaceous infructescences of *Friisicarpus sarbaensis* N. Maslova et Tekleva (Platanaceae) from western Kazakhstan
- 14.45–15.00: **Romero, Ingrid C.; Jaramillo, Carlos; Zavada, Michael:** Morphology, wall ultrastructure and biogeography of *Spirosyncolpites spiralis*

- 15.00–15.15: **Zavada, Michael; Evans, William:** The role of inaperturate pollen in the evolutionary transition from a distal monosulcus in the basal angiosperm to the equatorial apertures of the Eudicots

### AULA 1B

*S16. Mesozoic plants of the Northern Hemisphere: systematics, floristics and environmental background (convenors: Natalya Nosova, Maria Barbacka, Emese Bodor & Mihai E. Popa)*

- 08.30–08.45: **Kustatscher, Evelyn; Krings, Michael:** How *Annalepis zeilleri* became *Lepacyclotes*...
- 08.45–09.00: **Jarzynka, Agata; Barbacka, Maria; Pacyna, Grzegorz; Ziaja, Jadwiga:** Taxonomy and palaeoecology of the Middle Jurassic flora from Grojec, southern Poland
- 09.00–09.15: **Barbacka, Maria; Pacyna, Grzegorz; Pieńkowski, Grzegorz; Bodor, Emese; Ziaja, Jadwiga; Jarzynka, Agata:** Floristical changes and plant succession in the early-middle Jurassic localities of the northern margin of the Holy Cross Mountains, Poland. What did Polish dinosaurs like?
- 09.15–09.30: **Nosova Natalya:** Ginkgoalean female reproductive structures, seeds and associated leaves from the Middle Jurassic of Uzbekistan
- 09.30–09.45: **Pott, Christian; McLoughlin, Stephen:** Divaricate growth habit in Williamsoniaceae (Bennettitales): Unravelling the ecology of a key Mesozoic plant group
- 09.45–10.00: **Takimoto, Hideo; Ohana, Tmiko:** Reconstruction of Bennettitalean plants based on definite evidence from the Jurassic of Japan
- 10.00–10.15: **Bodor, Emese R.; Barbacka, Maria:** Cheirolepidiaceae-related reproductive structures from the Jurassic Mecsek Coal Formation (Hungary)
- 10.15–10.30: **Yang, Xiao-Ju; Mairot, Caroline; Guignard, Gaëtan; Zhou, Zhi-Yan:** Cuticle micro- and ultrastructure of *Suturovagina* Chow et Tsao (Cheirolepidiaceae): taxonomic and palaeoecological implications

10.30–11.00: COFFEE BREAK

*S16. cont.*

- 11.00–11.15: **Bosma, Hylke F.; Van Konijnenburg-van Cittert, Johanna H.A.:** Cretaceous conifer floras from the Northern Hemisphere
- 11.15–11.30: **Halamski, Adam Tadeusz; Kvaček, Jiří:** The Coniacian leaf flora from the Sudetes (south-western Poland)

- 11.30–11.45: **Herman, Alexei; Spicer, Robert:** Turonian and Coniacian floras and palaeoclimate of the North-eastern Russia: how high was the Okhotsk-Chukotka volcanic belt and how cold was the Arctic climate?
- 11.45–12.00: **Golovneva, Lina:** Provincial division of the Siberian-Canadian paleofloristic region
- 12.00–12.15: **Van der Ham, Raymond W.J.M.; Van Konijnenburg-van Cittert, Johanna H.A.:** Seagrass stems from the Maastrichtian type area (Late Cretaceous, NE Belgium, SE Netherlands)

*S17. General symposium on Palaeozoic and Mesozoic Palaeobotany and Palynology (convenors: Evelyn Kustatscher & Guido Roghi)*

- 12.15–12.30: **Weiss, Hans-Jürgen:** Rhynie chert – Implications of new finds
- 12.30–12.45: **Galtier, Jean; Decombeix, Anne-Laure; Prestianni, Cyrille:** The Early Carboniferous progymnosperm *Protospitys*: new data on vegetative and fertile structures, and on its geographic and stratigraphic distribution
- 12.45–13.00: **Pšenička, Josef; Frojdová, Jana:** Importance of sporangial character from compression

13.00–14.30: LUNCH

*S17. cont.*

- 14.30–14.45: **Chaney, Dan; Mazur, Claudia; DiMichele, William:** Taeniopterids from the Early Permian of western equatorial Pangea – The quest to characterize stable morphotypes
- 14.45–15.00: **Forte, Giuseppa; Kustatscher, Evelyn:** A mixed flora in the Cisuralian of northern Italy (Tregiovo, Trentino-Alto Adige)
- 15.00–15.15: **Van Waveren, Isabel M.; Hasibuan, Fauzie; Putri Perdono, Andri; Crow, Mike J.; Schmitz, Mark D.; Booi, Menno; Van Konijnenburg-van Cittert, Johanna H.A.:** Early seed plants from the Jambi palaeoflora (Late Asselian, Sumatra, Indonesia) Opportunistic invasion or settlement induced by climate change?
- 15.15–15.30: **Gordenko, Natalia; Remizowa, Margarita; Broushkin, Anatoly; Sokoloff, Dmitry:** First find of structurally preserved rhizomes of an osmundaceous fern in the Mesozoic of European Russia
- 15.30–15.45: **Anderson, Heidi M.; Anderson, John M.:** Giant Horsetails in the Molteno Triassic Flora of Gondwana
- 15.45–16.00: **Coiffard, Clément; Mohr, Barbara A.R.; Bernardes-de-Oliviera, Mary E.C.:** Early Angiosperms from the Late Aptian of northern Gondwana, (Crato Formation, Brazil)

- 16.00–16.15: **Spicer, Robert A.; Herman, Alexei B.; Spicer, Teresa E.V.:** Polar Vegetation in the Cretaceous and Paleogene; The Arctic Plant Fossils Online Interactive Catalogue
- 16.15–16.30: **Wawrzyniak, Zuzanna; Góis Marques, Carlos A.;** Kenrick, Paul: Estimating genome size in the 407 million year old lycopod *Asteroxylon mackiei* from the Rhynie Chert (Scotland, UK)

### AULA CATULLO

*S20. From the PETM to the Eocene-Oligocene turnover: a terrestrial perspective (convenors: Lutz Kunzmann, Volker Wilde, Walter Riegel & Olaf K. Lenz)*

- 08.30–09.00: **Collinson, Margaret E. (keynote):** A UK perspective on Paleogene vegetation and global change: current status, critical appraisal and future prospects
- 09.00–09.15: **Hofmann, Christa-Charlotte; King, Chris:** PETM and late PETM pollen assemblages from the Lambeth Group drillcores– getting warmed up for the EECO?
- 09.15–09.30: **Riegel, Walter; Wilde, Volker:** A *Sphagnum* bog in the Lower Eocene of northern Germany
- 09.30–09.45: **Robson, Brittany; Collinson, Margaret; Riegel, Walter; Wilde, Volker; Scott, Andrew; Pancost, Richard:** The *in situ* charcoal record of fires from peat-forming environments during the Early Eocene greenhouse world
- 09.45–10.00: **Wilde, Volker; Frankenhäuser, Herbert:** Comparing the in-situ and dispersed record: new advances in Paleogene palynology
- 10.00–10.15: **Lenz, Olaf K.; Wilde, Volker; Mentges, Simon:** Lacustrine oil shales as archives for palaeoclimate and palaeoenvironment in Central Europe: The Eocene maar lakes of Messel and Offenthal (Germany)
- 10.15–10.30: **Moraweck, Karolin; Eder, Johanna; Grein, Michaela; Kunzmann, Lutz; Konrad, Wilfried; Kvaček, Jiří; Neinhuis, Christoph; Roth-Nebelsick, Anita; Streubig, Madeleine; Traiser, Christopher:** How does leaf morphology reflect palaeoclimate conditions? A quantitative approach tracing terrestrial climate conditions during the Palaeogene

10.30–11.00: COFFEE BREAK

*S20. cont.*

- 11.00–11.15: **Hayes, Peta Angela; Collinson, Margaret E.:** Palaeoclimate analysis of the flora of the latest Eocene Insect Limestone of the Isle of Wight, southern England

- 11.15–11.30: **Averyanova, Anna:** The climatic changes in Zaisan depression (Eastern Kazakhstan) on the Eocene-Oligocene border based on CLAMP-analysis
- 11.30–11.45: **Pound, Matthew J.; Salzmann, Ulrich:** No evidence for a large-scale global change in vegetation and terrestrial climate at the Eocene-Oligocene transition
- 11.45–12.00: **Vikulin, Sergei V.:** Palaeofloristic and climatic changes in the Western Eurasia (Russian Plain, South Ural and Kazakhstan) during the Paleogene
- 12.00–12.15: **Traiser, Christopher; Kovar-Eder, Johanna; Kunzmann, Lutz; Moraweck, Karolin; Streubig, Madeleine; Roth-Nebelsick, Anita:** MORPHYLL - a data base for the acquisition of ecophysiological relevant data of morphometric data of fossil leaves

*S35. Non-Pollen Palynomorphs in Quaternary Research: State of the art and application to the reconstruction of local environmental change (convenors: Antonella Miola & Jean Nicolas Haas)*

- 12.15–12.30: **Richards, Keith:** Non-Pollen Palynomorphs as environmental indicators in Holocene sediments of the Volga delta, northern Caspian Sea
- 12.30–12.45: **Kvavadze, Eliso; Martkoplshvili, Inga; Chagelishvili, Rusudan; Buchsianidze, Maia; Gabrielyan, Ivan; Bruch, Angela A.:** Early Pleistocene Non Pollen Palynomorphs – a climatic signal?
- 12.45–13.00: **Martkoplshvili Inga; Kvavadze, Eliso; Kvavadze Eliso, Chagelishvili Rusudan, Buchsianidze Maia; Gabrielyan Ivan; Bruch Angela A.:** Early Pleistocene Non Pollen Palynomorphs of Transcaucasus region

13.00–14.30: LUNCH

*S35. cont.*

- 14.30–14.45: **Zimny, Marcelina; Pędziszewska, Anna; Drzymulska, Danuta; Święta-Musznicka, Joanna; Latałowa, Małgorzata:** Two thousand years of climatic and hydrologic history of Białowieża National Park (NE Poland) reflected through the NPPs and macrofossil analyses of peat deposits
- 14.45–15.00: **Święta Musznicka, Joanna:** Non-pollen palynomorphs vs. geochemistry of limnic sediments and urban culture layers in the area of Gdańsk (N. Poland)
- 15.00–15.15: **Kołaczek, Piotr; Gałka, Mariusz; Karpińska-Kołaczek, Monika; Apolinarska, Karina; Gąsiorowski, Michał:** Early Holocene expansion of elm (*Ulmus*) in the Dniestr River valley in the Halyč-Bukačivci Basin (Carpathian foreland, Western Ukraine) in the light of multi-proxy studies: preliminary results
- 15.15–15.30: **Murgia, Laurie; Gauthier, Emilie; Bichet, Vincent; Quiquerez, Amélie; Richard, Hervé:** Landscape's reconquest after a major landslide in

- 1248 AD (Mont Granier, Alps, France): A comparison between pollen, NPPs analyses and historical maps and data
- 15.30–15.45: **Guillemot, Typhaine; Jacob, Jérémy; Zocatelli, Renata; Gauthier, Emilie; Massa, Charly; Bichet, Vincent; Le Milbeau, Claude:** Evolution of agropastoralism around Lake Igaliku (Southern Greenland) during the last two millennia through molecular biomarkers.
- 15.45–16.00: **Miola, Antonella:** Updating NPP type list. Are common rules for NPP classification and nomenclature really needed?

### AULA ARDUINO

*S30. Pollen-vegetation/climate relationships and pollen-based quantitative vegetation/climate reconstructions: state-of-the-art and future avenues (convenors: Marie-Jose Gaillard-Lemdahl & Irena Agnieszka Pidek)*

- 08.30–08.45: **Gaillard, Marie-José, Pidek, Irena:** Introduction
- 08.45–09.15: **Sugita, Shinya (keynote):** Challenges and future directions for pollen-based reconstruction of Quaternary vegetation
- 09.15–09.30: **Abraham, Vojtěch; Kozáková, Radka; Petr, Libor; Svitavská-Svobodová, Helena; Kuneš, Petr; Švarcová, Markéta Gabriela; Jamrichová, Eva; Pokorný, Petr; Oušková, Veronika:** From relative pollen productivity estimates to Holocene vegetation estimates - natural vegetation in selected regions of Czech and Slovak Republic inferred from quantitative reconstruction of pollen analysis and map of Potential Natural Vegetation (PNV)
- 09.30–09.45: **Poska, Anneli; Trondman, Anna-Kari; Nielsen, Anne Brigitte; Pirzamanbin, Behnaz; Strandberg, Gustav; Olofsson, Jörgen; Filipsson, Helena L.; Broström, Anna; Conley Daniel; Gaillard, Marie-Jose; Smith, Benjamin:** Modelling past anthropogenic land-cover change and its effects on climate, terrestrial carbon balance and marine ecosystems in north-western Europe. Combining terrestrial and marine proxy data with dynamic ecosystem and climate modelling
- 09.45–10.00: **Kuneš, Petr; Svobodová-Svitavská, Helena; Kolář, Jan; Tkáč, Peter; Hajnalová, Mária; Macek, Martin; Abraham, Vojtěch; Szabó, Péter:** Regional land-cover, human activity and climate reconstructions provide novel insights into human-landscape interactions
- 10.00–10.15: **Väli, Vivika; Poska, Anneli; Kihno, Kersti; Alliksaar, Tiit; Saarse, Leili; Tomson, Pille; Vassiljev, Jüri:** Reconstructing past vegetation changes in Karula heights, South-Estonia over the last millennia
- 10.15–10.30: **Theuerkauf, Martin; Kienel, Ulrike; Kuparinen, Anna; Brauer, Achim:** How land use changes affected pollen productivity of open vegetation over the last century

10.30–11.00: COFFEE BREAK

S30. *cont.*

- 11.00–11.15: **Giesecke, Thomas; Matthias, Isabelle:** Insights into pollen source area, transport and deposition from modern pollen accumulation rates in lake sediments
- 11.15–11.30: **Jianyong; Zhao, Yan; Xu, Qinghai; Zheng, Zhuo; Lu, Houyuan; Luo, Yunli; Li, Yuecong; Li, Chunhai; Seppä, Heikki:** Human influence as a potential source of bias in pollen-based quantitative climate reconstructions
- 11.30–11.45: **Donders, Timme; Hagemans, Kimberley; Dekker, Stefan; Punyasena, Surangi; Wagner-Cremer, Friederike:** Climate signals from annual-resolution palynological data, new developments and challenges
- 11.45–12.00: **Pidek, Irena Agnieszka; Poska, Anneli:** Pollen-climate correlations based on 13 years of monitoring pollen deposition in south-eastern Poland (Roztocze region)
- 12.00–12.15: **Nosova, Maria; Severova, Elena; Volkova, Olga; Kosenko, Yana:** 5-years results of pollen monitoring in the Central European Russia
- 12.15–12.30: **Panajiotidis, Sampson; Christodoulou, Areti; Fotiadis, Georgios; Gerasimidis, Achilles:** Modern pollen and charcoal studies from eastern Mediterranean
- 12.30–12.45: **Levac, Elisabeth:** Long distance pollen transport to Eureka, in the Canadian high Arctic
- 12.45–13.00: **Dorota, Nalepka; Mirosława, Kupryjanowicz; Zofia, Balwierz; Krzysztof, Bińka; Wojciech, Granoszewski; Piotr, Kołaczek; Aleksandra, Majecka; Małgorzata, Malkiewicz; Małgorzata, Nita; Bożenna, Noryśkiwicz; Irena Agnieszka, Pidek; Adam, Walanus; Hanna, Winter:** Vegetation and climate changes during the Eemian interglacial in Poland based on isopollen maps

13.00–14.30: LUNCH

*S26. Seasonal climate differences and their evolution through the Cenozoic of Eurasia (a NECLIME symposium) (convenors: Andrea K. Kern, Gonzalo Jimenez-Moreno & Wei-Ming Wang)*

- 14.30–15.00: **Utescher, Torsten; Utescher, Torsten; Bruch, Angela A.; Bondarenko, Olesya V.; Bondarenko, Olesya V.; Mosbrugger, Volker; Popova, Svetlana (keynote):** Seasonality patterns in Cenozoic continental climate reconstructed from Eurasian palaeobotanical records
- 15.00–15.15: **Wang, Wei-Ming:** Cenozoic environment changes and the development of arid vegetations in Northwest China



- 15.15–15.30: **Bondarenko, Olesya V.; Bondarenko, Olesya V.; Wang, Hao-Bo; Jacques, Frédéric M.B.; Wang, Yue-Hua; Zhou, Zhe-Kun:** Fossil wood of *Tsuga* (Pinaceae) from the Late Miocene of Central Yunnan, China and its palaeoclimatic implication
- 15.30–15.45: **Li, Shufeng; Mao, Limi; Zhou, Zhekun:** Late Miocene climate inferred from palynological data in Southwestern China: a case study from Wenshan basin of Yunnan
- 15.45–16.00: **Zhou, Zhekun:** With increasing seasonality, *Quercus schottkyana* replaces the *Q. delavayi* complex as the dominant tree species in evergreen broad-leaf forests.
- 16.00–16.15: **El Atfy, Haytham; Brocke, Rainer; Uhl, Dieter:** Miocene palynology and palynofacies of the Gharandal Group, southern Gulf of Suez, Egypt

16.30–18.00: CLOSING CEREMONY WITH CLOSING COCKTAIL

### **Monday, 1st September, 2014**

Start of the POSTCONFERENCE FIELDTRIPS (optional):

1PC - THE LATE CENOZOIC OF ROMAGNA, TUSCANY AND UMBRIA (Adele Bertini, Nicoletta Buratti & Edoardo Martinetto)

2PC - THE PERMO-TRIASSIC OF THE DOLOMITES AND THE SOUTHERN ALPS (Evelyn Kustatscher & Guido Roghi)

5PC - THE FOSSIL PLANT RECORD OF SARDINIA (Paola Pittau & Giovanni G. Scanu)

6PC - FOSSIL AND EXTANT PLANTS IN SEDIMENTARY AND VOLCANIC ENVIRONMENTS OF THE CAMPANIA REGION (Southern Italy) (Antonello Bartiromo, Filippo Barattolo & Claudio Scarpati)

## POSTER SESSION

We have grouped the posters in three different areas. The poster of the General symposia are in display in Aula 1D, the posters of the Palaeo-Meozoic session in Aula 1C and the Cenozoic, Quaternary and Archeobotany symposia were grouped in the Aula Poster. Below you can find an overview on the symposia and their distribution in the various rooms.

AULA 1D	AULA 1C	AULA POSTER
S1. Pioneers of European Palaeobotany and Palynology S2. Plant-animal and plant-microbe interactions S3. Amber inclusions and the development of terrestrial ecosystems S4. Amber through time: Identifying sources of fossil resin S5. Fossil wood, from taxonomy to palaeoecological syntheses (IAWA) S6. Exceptional, three-dimensionally preserved biotas S7. The Ultrastructure of Spores and Pollen: advances in Methods and Theory S8. Pollen morphology and development S11. Estimating past climate variability from terrestrial (bio-)indicators S39. General topics	S12. The "terrestrialisation process" in the Palaeozoic S13. Devonian transition to forest ecosystems S14. Patterns in Late Palaeozoic vegetation S15. Mesozoic events traced on land and in the sea S16. Mesozoic plants of the Northern Hemisphere S17. General symposium on Palaeozoic and Mesozoic S37. Palaeozoic Palynostratigraphy of the Arabian Plate S38. What's trendy in pre-Cambrian and Palaeozoic Palynology?	S18. Early angiosperms S19. Palaeogene floras of the Arctic to subarctic regions S20. From the PETM to the Eocene-Oligocene turnover S22. Celebrating the legacies of Dieter H. Mai and Harald Walther S23. Oligocene to Pleistocene vegetation of the Eastern Mediterranean S24. Mediterranean flora and vegetation since the latest Neogene S25. Cenozoic vegetation with models (NECLIME, ROCEEH) S26. Seasonal climate differences of Eurasia (NECLIME) S27. Anthracological and megafossil studies from Quaternary deposits S28. Ecological insights from Quaternary vegetation reconstructions S29. Holocene Mediterranean ecosystem responses to climate change S30. Pollen-vegetation/climate relationships and reconstructions S31. Quaternary arctic and alpine landscapes S32. Wooden artifacts S33. Assessing Long-Term Human Impact and climate change S35. Non-Pollen Palynomorphs in Quaternary Research S36. Advances in Quaternary pollen and plant macrofossil stratigraphy

AULA 1D*S1. Pioneers of European Palaeobotany and Palynology (convenors: Christopher J. Cleal & Heather S. Pardoe)*

- S1-01: **Giardini, Marco:** The plant macrofossils of the abbot Carlo Rusconi: the rediscovery of a lost palaeontological collection
- S1-02: **Góis Marques, Carlos A.; Menezes de Sequeira, Miguel:** Darwin, Hooker and Arruda Furtado and the Palaeobotany of Azores: rediscovering the first collections
- S1-03: **Roghi, Guido:** Four hundreds years of Palaeobotany in Italy
- S1-04: **Stolle, Ellen:** Prof. Dr. F. Samime ARTÜZ, Istanbul University – contributions to palynology from the southeastern part of Europe with a considerable international impact
- S1-05: **Wilde, Volker; Riegel, Walter; Lenz, Olaf K.:** 80 years of Paleogene Palynology – “back to the future”

*S2. Plant-animal and plant-microbe interactions (convenors: Michael Krings, Tom Taylor & Torsten Wappler)*

- S2-01: **Forte, Giuseppa; Wappler, Torsten; Bernardi, Massimo; Kustatscher, Evelyn:** Plant-animal interactions in the Kungurian (Cisuralian) of northern Italy (Tregiovo, Trento province)
- S2-02: **Kowalski, Rafael:** Some interesting examples of plant-animal interaction from Miocene of Poland

*S4. Amber through time: Identifying sources of fossil resin (convenors: Alexander R. Schmidt & Eugenio Ragazzi)*

- S4-01: **Bodor, Emese Réka; Czirják, Gábor; Kovács, István; Vargáné Barna, Zsuzsanna; Budai, Ferenc; Hajdu, Zsófia; Ósi, Attila:** Chemical analysis of Hungarian Cretaceous ambers (ajkait and amber from Iharkút)
- S4-02: **Neri, Mirco; Roghi, Guido; Ragazzi, Eugenio; Papazzoni, Cesare A.; Kustatscher, Evelyn:** Lower Jurassic amber from the Monti Lessini (Venetian Prealps, northern Italy)

S5. *Fossil wood, from taxonomy to palaeoecological syntheses (IAWA) (convenors: Marc Philippe & Jakub Sakala)*

- S5-01: **Afonin, Maxim:** *Palaeopiceoxylon, Protocedroxylon* and *Xenoxylon* fossil woods from the Early Cretaceous (Aptian-Albian) of Russian Far East  
 S5-02: **Decombeix, Anne-Laure; McLoughlin, Stephen; Blake, Paul:** *Pitus* or not *Pitus*? Early Carboniferous gymnosperm woods from the Drummond Basin, Queensland, Australia

S6. *Exceptional, three-dimensionally preserved biotas (convenors: Steve McLoughlin & Jason Hilton)*

- S6-01: **Van Waveren, Isabel M.; Sykorova, Ivana; Matysova, Peta; Crow, Mike J.:** The Merangin section: a natural experiment of outstanding preservation at variable sedimentation rates and sea levels

S7. *The Ultrastructure of Spores and Pollen: advances in Methods and Theory (convenors: Maria Tekleva, Michael Zavada & Natalia Zavialova)*

- S7-01: **Polevova, Svetlana:** Complex structure of the cell wall in the aperture  
 S7-02: **Polevova, Svetlana:** Wave-like exospore in spores of *Osmunda*  
 S7-03: **Tekleva, Maria; Haselwander, Robert D.:** Preliminary data on morphology and ultrastructure of oak pollen from the Holocene of Bray Area Lake, Missouri, USA

S8. *Pollen morphology and development (convenors: Nina Gabarayeva, Dmitriy A. Britski & Olga Gavrilova)*

- S8-01: **Bricchi, Emma; Gigante, Daniela; Mincigrucci, Gianfranco; Poponessi, Silvia; Spina, Amalia; Venanzoni, Roberto:** Comparative pollen morphology of some Amaranthaceae  
 S8-02: **Britski, Dmitriy A.; Gavrilova, Olga A.:** Digital palynological collections in Komarov Botanical Institute of Russian Academy of Sciences  
 S8-03: **Galván-Escobedo, Iris G.; Ramírez-Arriaga, Elia; Uscanga-Mortera, Ebandro; García-Moya, Edmundo; Kohashi-Shibata, Josué:** Fossil pollen diversity of *Ephedripites* (*Ephedra*) from the Upper Oligocene-Lower Miocene in Baja California Sur, Mexico  
 S8-04: **Hruševar, Dario; Halbritter, Heidemarie; Boršić, Igor; Bogdanović, Sandro; Mitić, Božena:** Pollen Morphology of some Alpine-Dinaric Endemic Plants

- S8-05: **Işık, Serap; Uğurlu, Zübeyde; Dönmez, Ali A.:** Pollen morphology in some Turkish maloid genera *Pyracantha* L., *Eriobotrya* Lindl., *Cydonia* Mill., *Malus* Mill. and *Amelanchier* Medik. (Rosaceae)
- S8-06: **Mao, Limi; Batten, David; Fujiki, Toshiyuki; Li, Zhen; Dai, Lu; Weng, Chengyu:** Mangrove pollen keys: an aid to palynological interpretation of tropical estuary and marine deposits
- S8-07: **Niemeyer, Bastian; Herzsuh, Ulrike; Pestryakova, Luidmila:** Disregarding of morphological diversity of *Larix* pollen leads to lower evaluation of its actual vegetation abundance
- S8-08: **Tekleva, Maria:** Pollen morphology and ultrastructure of five modern species of *Gnetum* L.
- S8-09: **Volkova, Olga; Polevova, Svetlana:** Intine development of posttetrad sporoderm in *Aristolochia clematidis* (Aristolochiaceae)
- S8-10: **Volkova, Olga; Severova, Elena:** A comprehensive analysis of *Vinca minor* L. sporoderm

*S11. Estimating past climate variability from terrestrial (bio-)indicators (convenors: Nathalie Combourieu Nebout, O. Peyron, Adele Bertini & Antonella Bucciatti)*

- S11-01: **Combourieu-Nebout, Nathalie; Peyron, Odile; Bout-Roumazeilles, Viviane; Goring, Simon; Dormoy, Isabelle; Joannin, Sébastien; Sadori, Laura; Siani, Giuseppe; Magny, Michel:** Holocene vegetation and climate changes in the central Mediterranean inferred from the high-resolution marine pollen record of Core MD 90-917 (Adriatic Sea)
- S11-02: **Lem, Rachael; Hoare, Sally; Marret-Davies, Fabienne:** Unravelling the record: The need to combine carbon isotopes with biological proxies to better understand species specific response to African palaeoclimatic change during the Quaternary Period
- S11-03: **Montade, Vincent; Combourieu-Nebout, Nathalie; Peyron, Odile:** How to evaluate the past climate variability through the Holocene in southern Chile
- S11-04: **Peyron, Odile; Lézine, Anne-Marie; Goring, Simon; Brewer, Simon; Klotz, Stefan; Kuhl, Norbert; Combourieu-Nebout, Nathalie; Sanchez-Goni, Maria-Fernanda; Cheddadi, Rachid:** A multi-method approach applied to Lake Orhid pollen data to infer climate changes during the Eemian in the Balkans

*S39. General topics (convenors: Guido Roghi & Evelyn Kustatscher)*

- S39-01: **Bosi, Giovanna; Bandini Mazzanti, Marta; Serventi, Paolo; Merlo, Riccardo:** The challenge of the book “The Time’s Islands”; Palaeobotany for kids

- S39-02: **Gordenko, Natalia; Broushkin, Anatoly:** On the nature of the collar in *Ginkgo* L.
- S39-03: **Kawashima, Shigeto; Lemonis, Natalie; Clot, Bernard; Oliver, Gilles; Thibaudon, Michel; Fujita, Toshio:** An improved methodology for automated counting of airborne pollen using laser optics
- S39-04: **Levkovskaya, Galina:** How to use palynoteral statistics for the differentiation of normal and stressed states of vegetation (past and present)?
- S39-05: **Levkovskaya, Galina:** Palynoteral and unpalynoteral complexes of sediments as a basis for the differentiation of normal and stressed states of vegetation (past and present)
- S39-06: **Mackey, Joanne; McCarthy, Dave; Tunwal, Mohit; Unida, Stefania:** Automated image enhancement and segmentation for detecting boundaries of palynological material
- S39-07: **Mao, Limi:** Tracing ancestral biogeography of Sonneratia based on fossil pollen and their probable modern analogues
- S39-08: **Mitić, Božena; Horjan, Ivana; Husnjak Malovec, Katarina; Hruševar, Dario:** Forensic potential of pollen grains of continental Croatia - case study in the area of Hrvatsko Zagorje (North-West Croatia)
- S39-09: **Ramirez Valencia, Valentina; Gonzalez, Catalina; Amezquita, Adolfo:** Spatial distribution of organic-walled dinoflagellate cysts in surface sediments in relation to environmental parameters along the Caribbean Sea and Eastern Tropical Pacific Ocean
- S39-10: **Ramirez Valencia, Valentina; Sanin Robayo, David:** Spore morphology in relation to phylogeny in the fern *Serpocaulon* (Polypodiaceae)
- S39-11: **Tsukagoshi, Minoru:** Reexamination of the taxonomy of the genus *Hemitrapa* (Trapaceae) from Europe and North America
- S39-12: **Tsukagoshi, Minoru; Okano, Hiroshi:** The spreading of paleobotanical research on *Metasequoia* and its relationship with Cultural Development
- S39-13: **Uitdehaag, S.C.A.; Kuiper, I.:** Palynology applied in forensic casework; possibilities and pitfalls
- S39-14: **Väliranta, Minna; Parducci, Laura; Salonen, Sakari; Ronkainen, Tiina; Matetovici, Irina; Fontana, Sonja; Eskola, Tiina; Sarala, Pertti; Suyama, Yoshihisa:** Proxy comparison in ancient peat sediments: pollen, macrofossil and plant DNA
- S39-14: **Krassilov, Valentin, Barinova, Sophia:** Phylogeny – ontogeny relationships, a model based on seed plant morphology and paleobotany

AULA 1C

*S12. The "terrestrialisation process" in the Palaeozoic: colonization of land plants of the continents and impact on the bio/geosphere (convenors: Brigitte Meyer-Berthaud, Thomas Servais & Marco Vecoli)*

- S12-01: **Broushkin, Anatoly; Gordenko, Natalia:** New data on Orestovia Ergolskaya (enigmatic Devonian plants with thick cuticle, "spongiophytes"; Kuznetsk Basin, Siberia)
- S12-02: **Tomescu, Alexandru M.F.; Matsunaga, Kelly K.S.:** Reconstructing an Early Devonian lycophyte from the Beartooth Butte Formation (Lochkovian-Pragian), Wyoming, USA
- S12-03: **Zetter, Reinhard; Akyurt, Elvan; Berger, Andreas; Gröbner, David; Göschl, Wolfgang; Phumphumirat, Wongkot; Grímsson, Friðgeir:** Exceptional Middle Devonian spore flora from Syria shows remarkable sculpturing types during early periods of terrestrial trilaesurate spore evolution

*S13. Devonian transition to forest ecosystems (convenors: Christine Strullu-Derrien, Paul Kenrick & Chris Berry)*

- S13-01: **Libertin, Milan; Bek, Jiri; Hayes, Peta; Pombo Geertsma, Isabela; Van Waveren, Isabel:** *Ursastrobus densifolius* gen. et sp. nov. from the Late Devonian of Bear Island, Norway
- S13-02: **Mitchell, Ria; Kenrick, Paul:** Micro-CT: a new, non-invasive approach to characterizing primitive soils
- S13-03: **Strullu-Derrien, Christine; Wawrzyniak, Zuzanna; Goral, Tomasz; Kenrick, Paul:** A new fungal endobiont in the rooting system of the Rhynie Chert plant *Asteroxylon mackiei* (ca 407Ma)

*S14. Patterns in Late Palaeozoic vegetation (convenors: Christopher J. Cleal)*

- S14-01: **Cleal, Christopher J.:** Late Carboniferous terrestrial habitats in southeastern Europe
- S14-02: **Libertin, Milan; Bek, Jiří:** *Vestispora*-producing Carboniferous sphenophylls from the Pennsylvanian of the Czech Republic
- S14-03: **Scanu, Giovanni G.; Cleal, Christopher J.; Kustatscher, Evelyn; Buosi, Carla; Pittau, Paola:** Middle Pennsylvanian vegetation of the San Giorgio Basin, southern Sardinia
- S14-04: **Stolle, Ellen:** AK-1X well section (Pennsylvanian, Zonguldak Basin, NW Turkey), corresponding with a time interval around the Duckmantian–

Bolsovian transition, displaying a special, fern-dominated palynological assemblage (coal swamp vegetation)

- S14-05: **Van der Pas, Jorik; Poppe, Linda; Van Waveren, Isabel M.; Van Konijnenburg-van Cittert, Johanna H. A.:** *Dicranophyllum gallicum*: a possible lycopsid affinity inferred from qualitative and quantitative analysis

*S15. Mesozoic events traced on land and in the sea (convenors: Vivi Vajda & Wolfram M. Kürschner)*

- S15-01: **Heunisch, Carmen; Röhling, Heinz-Gerd:** The early Buntsandstein – a surprisingly manifold phytoplankton time slice within the Triassic
- S15-02: **Karasev, Eugeny; Turnau, Elżbieta:** Early Triassic (Induan) megaspore assemblage from the marly clay of the Sholga locality, Kirov region, Russia
- S15-03: **Mackey, Joanne; Unida, Stefania;** Stefano Patruno: Palynofacies Tyson Plot Analyses and kerogen characterization of the proposed Barremian/Aptian GSSP Stratotype (Gorgo a Cerbara, Umbria-Marche, Italy)
- S15-04: **Mueller, Steven; Kürschner, Wolfram:** Integrated Magneto-, Carbon isotope and quantitative palynostratigraphy of the Upper Triassic Kapp Toscana Group on Spitsbergen, Norway
- S15-05: **Roghi, Guido; Dal Corso, Jacopo; Kustatscher, Evelyn; Preto, Nereo; Gianolla, Piero; Manfrin, Stefano; Mietto, Paolo:** Middle Triassic palynological analyses of the Southern Alps (N-Italy)
- S15-06: **Unida, Stefania; Patruno, Stefano:** A palynological record of palaeoenvironmental changes around the OAE1A Anoxic Crisis along the proposed Barremian/Aptian GSSP stratotype section (Gorgo a Cerbara, Umbria-Marche Basin, Italy)
- S15-07: **Unida, Stefania; Patruno, Stefano:** Palynostratigraphical analysis of the proposed Barremian/Aptian GSSP stratotype section (Gorgo a Cerbara, Umbria-Marche Basin, Italy)

*S16. Mesozoic plants of the Northern Hemisphere: systematics, floristics and environmental background (convenors: Natalya Nosova, Maria Barbacka, Emese Bodor & Mihai E. Popa)*

- S16-01: **Barbacka, Maria; Püspöki, Zoltán; Bodor, Emese:** Geochemical and lithological proxies of deltaic coal forming facies and their relation to sequence stratigraphy and plant succession
- S16-02: **Butzmann, Rainer; Fischer, Thilo C; Röper, Martin; Rothgaenger, Monika; Rothgaenger, Klaus; Velser, Lisa; Alkofer, Uwe; Krings, Michael:** Jurassic plants from the Lagerstätte Brunn in the Lower Solnhofen Archipelago (Bavaria, Germany)



- S16-03: **Launis, Ahti; Pott, Christian:** New plant fossils from the Upper Triassic of Hopen, Svalbard
- S16-04: **Nosova Natalya:** Distribution of Miroviaceae (Mesozoic conifers) in Russia
- S16-05: **Pacyna, Grzegorz; Barbacka, Maria; Ziaja, Jadwiga:** *Brachyphyllum* shoots type with epistomatic leaves from Patoka, Upper Silesia, Poland
- S16-06: **Rostovtseva, Julia I.:** The palynological assemblages of the Middle Jurassic of the Russian Platform
- S16-07: **Scanu, Giovanni G.; Kustatscher, Evelyn; Pittau, Paola; Buosi, Carla:** The Jurassic flora of Sardinia - a new piece in the Middle Jurassic palaeobiogeography
- S16-08: **Sokolova, Aleksandra; Moiseeva, Maria:** A new species of *Sequoiadendron* Buchholz from the Upper Cretaceous of Central Chukotka
- S16-09: **Sun, Chunlin; Li, Yunfeng; Li, Tao; Na, Yunling; Li, Ying:** Diversity of *Phoenicopsis* (Czekanowskiales) in the Jurassic flora of Ordos Basin, China: palaeofloristic and paleoclimatic significant
- S16-10: **Tomescu, Alexandru M.F.; Ortiz, Ashley; Shelton, Glenn W.K.; Lu, Carey R.:** Barremian - early Aptian Cupressaceae in the Budden Canyon Formation of northern California, USA

*S17. General symposium on Palaeozoic and Mesozoic Palaeobotany and Palynology (convenors: Evelyn Kustatscher & Guido Roghi)*

- S17-01: **Brocke, Rainer; Kneidl, Volker; Wilde, Volker; Riegel, Walter:** New palynological evidence regarding age and environment of the „Hunsrückschiefer“, Lower Devonian, Rheinisches Schiefergebirge, Germany
- S17-02: **Hofmann, Christa-Charlotte; Ahlberg, Anders; Herman, Alexei; Spicer, Robert A.:** SEM examination of Campanian/Maastrichtian pollen of Adoxaceae, Araliaceae, Betulaceae, Cornaceae, Fagaceae, Rosaceae and Sapindaceae from the Vilui basin (Siberia)
- S17-03: **Ilyina, Natalya:** Palynocomplex of the Lower Olenekian Substage (Lower Triassic, Olenekian Stage) in the Northern Middle Siberia
- S17-04: **Kustatscher, Evelyn; Bauer, Kathleen; Bernardi, Massimo; Petti, Fabio M.; Franz, Matthias; Wappler, Torsten; Van Konijnenburg-van Cittert, Johanna H.A.:** Palaeoenvironmental reconstruction of the Lopingian (late Permian) of the Dolomites (Northern Italy)
- S17-05: **Orlova, Olga A.; Alekseev, Aleksandr S.; Mamontov, Dmitry A.; Kholopova, Aleksandra L.:** Distribution of dispersed megaspores in the Lower Carboniferous (Mississippian) of Moscow Syncline (Russia)
- S17-06: **Slater, Sam; Wellman, Charles:** A quantitative comparison of palynological and plant macrofossil assemblages from a Jurassic plant bed
- S17-07: **Villanueva-Amadoz, Uxue; González-León, Carlos M.:** The oldest record of some pollen grains from late Campanian-early Maastrichtian in Mexico

- S17-08: **Weiser, Katrin; Weigand, Anna; Gee, Carole T.; Rößler, Ronny:** Micro-CT of seed spirals in Middle Jurassic *Araucaria mirabilis*: Was Fibonacci right?

*S37. Palaeozoic Palynostratigraphy of the Arabian Plate and Adjoining Regions, and global correlation (CIMP sponsored) (convenors: Charlie Wellman & Marco Vecoli)*

- S37-01: **Götz, Annette E.; Hancox, John:** Palynology of the Eastern Tete Province (Mozambique): stratigraphic and climatic implications  
 S37-02: **Mantsurova, Valentina:** Miospore assemblages from the Pokayama Formation of the North Timan (Famennian, Devonian, Russia)  
 S37-03: **Marshall, John; Zhu, Huaicheng; Wellman, Charlie; Berry, Chris; Yi Wang; Xu, Honghe:** Endemic Devonian spores from South China, Saudi Arabia and Australia

*S38. What's trendy in pre-Cambrian and Palaeozoic Palynology? (CIMP sponsored) (convenors: Jacques Verniers & Philippe Steemans)*

- S38-01: **Lopes, Gilda; Pereira, Zélia; Piçarra, José Manuel; Fernandes, Paulo:** New Ordovician palynostratigraphic data of the Phyllodocites Shales Formation, Barrancos Region, Ossa Morena Zone, Portugal  
 S38-02: **Vodicka, Jakub; Hroch, Tomas; Fatka, Oldrich:** Preliminary report on Chitinozoans from the Letná Formation (Prague Basin, Czech Republic)  
 S38-03: **Wang, Wenhui; Li, Jun; Servais, Thomas; Yan, Kui; Vecoli, Marco:** *Dactylofusa velifera* Cocchio, 1982: a biostratigraphical and palaeogeographical important Ordovician acritarch species

## AULA POSTER

*S18. Early angiosperms: diversity, ecology, phylogeny and physiology (convenors: Barry Lomax, Garland Upchurch & Jiří Kvaček)*

- S18-01: **Bodor, Emese, Réka; Friis, Else, Marie; Barbacka, Maria:** The taxonomic affinity of genus *Padragkutia* Knoboch et Mai  
 S18-02: **Lomax, Barry; Smillie, Ian; Knight, Charles; Upchurch, Garland:** Genome size and angiosperm evolution  
 S18-03: **Horikx, Maurits; Fay, Corinne; Robinson, Stuart; Feist-Burkhardt, Susanne; Heimhofer, Ulrich:** Well-preserved angiosperm pollen from mid-Cretaceous continental strata on the Nuussuaq Peninsula, West Greenland

- S18-04: **Moreau, Jean-David; Cloetens, Peter; Gomez, Bernard; Daviero-Gomez, Véronique; Néraudeau, Didier; Lafford, Tamzin; Tafforeau, Paul:** Synchrotron micro- and nanotomography of staminate flowers from the Cenomanian of Gard, southern France
- S18-05: **Sender, Luis M.; Villanueva-Amadoz, Uxue; Doyle, James A.; Pons, Denise; Diez, José B.; Ferrer, Javier:** First record of the angiosperm genus *Sapindopsis* Fontaine (Platanaceae) in western Eurasia from middle Albian to early Cenomanian deposits of northeastern Spain.
- S18-05: **Vikulin, Sergei V.:** New and rare angiosperm species from the late Cretaceous (Sonomanian-Turonian) floras of Western Eurasia: Trans-Caucasia and Aral area of Kazakhstan

*S19. Palaeogene floras and vegetation of the Arctic to subarctic regions (convenors: Friðgeir Grímsson & Reinhard Zetter)*

- S19-01: **Beck, Louise; Rasmussen, Jan Audun; Grímsson, Friðgeir:** Preliminary study on the early Eocene *Macclintockia* leaf fossils from Fur, Denmark
- S19-02: **Beck, Louise; Rasmussen, Jan Audun; Grímsson, Friðgeir:** Unravelling the *Macclintockia* species complex from the Paleocene of West Greenland
- S19-03: **Grímsson, Friðgeir; Højgaard, Bartal; Hofmann, Christa-Charlotte; Pott, Christian; Grimm, Guido; Friðgeirsson, Grímur Rúnar; Denk, Thomas; Zetter, Reinhard:** Revisiting the late Paleocene Mykines microfossil site, Faeroe Islands
- S19-04: **Grímsson, Friðgeir; Zetter, Reinhard; Denk, Thomas:** Revisions of the early Cenozoic macrofloras from West Greenland reveal the actual age and floral elements of Oswald Heer's (1868-1883) classic Upper Atanikerluk "Miocene" floras
- S19-05: **Gromyko, Dmitry; Ozerov, Igor; Yakovleva, Olga:** Secretory Organs of Early Eocene Leaves of *Paramyrtaciphyllum agapovii* (Myrtaceae)
- S19-06: **Pott, Christian; Grímsson, Friðgeir; Højgaard, Bartal; Hofmann, Christa-Charlotte; Grimm, Guido; Friðgeirsson, Grímur Rúnar; Denk, Thomas:** First *Ginkgo* leaf fossils from the Faroe Islands
- S19-07: **Pott, Christian; Grímsson, Friðgeir; Zetter, Reinhard; Tekleva, Maria:** *Cycas*-like pollen from the Eocene of West Greenland
- S19-08: **Zetter, Reinhard; Grímsson, Friðgeir; Hofmann, Christa-Charlotte; Grimm, Guido:** Paleogene Loranthaceae pollen from West Greenland and Eurasia

S20. *From the PETM to the Eocene-Oligocene turnover: a terrestrial perspective (convenors: Lutz Kunzmann, Volker Wilde, Walter Riegel & Olaf K. Lenz)*

S20-01: **Hofmann, Christa-Charlotte; Egger, Hans; King, Chris:** SEM investigations of Arecaceae pollen from the Lower Eocene of Austria and England

S22. *Celebrating the legacies of Dieter H. Mai and Harald Walther: Cenozoic taxonomy, palaeoecology, and phytostратigraphy based on coordinated palaeobotanical investigations (convenors: Zlatko Kvacek, Steven Manchester, Johanna Kovar-Eder, Lutz Kunzmann & Edoardo Martinetto)*

S22-01: **Butzmann, Rainer; Fischer, Thilo C:** Fossil water lily fruits with seeds *Nymphaea* subgenus *Lotos*, from the Oligocene of Armissan/Narbonne (France)

S22-02: **Garten, Nicole; Gee, Carole T.:** Reconstruction of a lowland tropical angiosperm forest from the Eocene of Laredo, Texas, based on paleoecology

S22-03: **Hably, Lilla; Erdei, Boglárka; Selmezi, Ildikó:** Oligocene wetland – a new Egerian (Late Oligocene) flora from Tatabánya, Hungary

S22-04: **Kowalski, Rafael:** What is *Carpolithus carpinoides* Mai – case study of the Rozewie cliff specimen (south coast of Baltic Sea, North Poland)

S22-05: **Kvaček, Zlatko; Knor, Stanislav; Janovský, Zdeněk; Wappler, Torsten; Prokop, Jakub:** Quantitative and qualitative analyzes of plant–arthropod interactions from the lower Miocene (Burdigalian) of the Most Basin in north-western Bohemia (Czech Republic)

S22-06: **Mantzouka, Dimitra; Kvaček, Zlatko; Teodoridis, Vasilis; Utescher, Torsten; Tsapas, Nicolaos; Karakitsios, Vasileios:** Gavdos Island palaeoflora: A newly recovered late Neogene flora of the Eastern Mediterranean (Greece)

S22-07: **Meller, Barbara; Hably, Lilla:** Late Middle Miocene (Sarmatian) wetlands at the NW margin of the Central Paratethys

S22-08: **Van der Ham, Raymond W.J.M.:** On the history of the butternuts (*Juglans* section *Cardiocaryon*, Juglandaceae)

S22-09: **Vikulin, Sergei V.:** New insights about ‘Haselbach-Complex’ species in Oligocene floras of Russian plain (Pasekovo, Zmiev, Svetlogorsk)

S22-10: **Yabe, Atsushi; Uemura, Kazuhiko; Matsumoto, Midori; Ishikawa, Kouhei; Narita, Atsufumi:** Paleogene regional extinction of *Taxodium* in Japan and adjacent countries

*S23. Oligocene to Pleistocene vegetation history of the Eastern Mediterranean (convenors: Thomas Denk, Tuncay Güner & Dimitrios Velitzelos)*

- S23-01: **Baranyi, Viktória; Kováčová, Marianna; Kováč, Michal; Magyar, Imre; Görög, Ágnes:** Late Miocene (Pannonian) dinoflagellate biostratigraphy of the Danube Basin (western Slovakia, Central Europe) and paleoenvironmental evolution of the north western realm of Lake Pannon based on palynological
- S23-01: **Bouchal, Johannes M.; Denk, Thomas:** An overview of the palynoflora of the Miocene Yatağan basin, Turkey, lightmicroscopy and scanning electron microscopy
- S23-01: **Sanem Koç, Çilga; Denk, Thomas; Grimm, Guido W.; Güner, H. Tuncay:** New palaeobotanical records for the Miocene of Turkey and their significance for the palaeobiogeography of the East Mediterranean region

*S24. Mediterranean flora and vegetation and increasing dryness since the latest Neogene (convenors: Adele Bertini, Nathalie Combourieu-Nebout & Elena Vassio)*

- S24-01: **Buosi, Carla; Pittau, Paola; Porcu, Anna Maria; Sconamila, Marcella; Scanu, Giovanni G.:** A multi approach study of the Holocene archives in Sardinia
- S24-02: **Buosi, Carla; Pittau, Paola; Porcu, Anna Maria; Sconamila, Marcella; Scanu, Giovanni G.:** A multi approach study of the Holocene archives in Sardinia
- S24-03: **Combourieu-Nebout, Nathalie; Bertini, Adele; Russo-Ermolli, Elda; Peyron, Odile; Klotz, Stefan; Montade, Vincent; Fauquette, Séverine; Allen, Judy; Fusco, Fabio; Goring, Simon; Huntley, Bryan; Joannin, Sebastien; Lebreton, Vincent; Magri, Donatella; Orain, Ronan; Sadori, Laura:** Climate changes in central Mediterranean and Italian vegetation dynamic since the Pliocene
- S24-04: **Jaouadi, Sahbi; Lebreton, Vincent; Mannai-Tayech, Beya; Lakhdar, Rached; Soussi, Mohamed:** Modern pollen-vegetation relationship and Holocene vegetation dynamics in an arid bioclimatic zone: new pollen data from Sebkh Boujmel (southern Tunisia)
- S24-05: **Jiménez-Moreno, Gonzalo; Rodríguez-Ramírez, Antonio; Pérez-Asensio, J. Noel; Carrión, José S.:** Late Holocene aridification trend and climate variability in the Western Mediterranean area
- S24-06: **Kouli, Katerina; Rousakis, Grigoris; Bouloubassi, Ioanna; Gogou, Alexandra; Kyrikou, Stella; Ratopoulou, Menelia; Triantaphyllou, Maria; Dimiza, Margarita; Kapsimalis, Vassileios; Lykousis, Vassileios:** Vegetation patterns of the last Interglacial: the record of marine core SK-3 from western Cyclades plateau (SW Aegean Sea)

S24-07: **Orain, Ronan; Russo Ermolli, Elda; Lebreton, Vincent; Sémah, Anne-Marie:** Pollen evidence of an ecological refuge in the Boiano basin (Molise, southern Italy) at the Middle Pleistocene

*S25. Cenozoic vegetation quantification with models and proxy data (a NECLIME and ROCEEH contribution) (convenors: Louis François, Angela A. Bruch & Torsten Utescher)*

S25-01: **Bayramova, Shafag; Huseynova, Shalala:** Palynoflora at the boundary of Oligocene and Miocene South-Eastern edges of Greater Caucasus

S25-02: **Bondarenko, Olesya V.; Utescher, Torsten; Bruch, Angela:** The Calabrian Climate and vegetation of southern Primory'e (Far East of Russia)

S25-03: **Donders, Timme; Westerhoff, Wim; Luthi, Stefan:** The north Sea Basin as a recorder for key Cenozoic transitions: climate development, fluvial response and ecosystem change in a subsiding basin

S25-04: **Dury, Marie; Düllinger, Stefan; Hülber, Karl; Cheddadi, Rachid; Laborde, Henri; Singarayer, Joy S.; Schurgers, Guy; Munhoven, Guy; François, Louis:** Holocene migration of *Fagus sylvatica* and *Picea abies* in Europe: dynamic vegetation modelling in the light of palaeorecords studies

S25-05: **Klusek, Marzena:** Tree-ring climate reconstruction in the area of Austrian Alps

S25-06: **Kováčová, Marianna; Rybár, Samuel; Šarinová, Katarína; Halásová, Eva; Hudáčková, Natália; Kováč, Michal; Šujan, Michal:** Badenian palaeovegetation, palaeoenvironment and biostratigraphy of the northern Danube Basin (Slovakia) - a case study

S25-07: **Milivojević, Jelena; Lazarević, Zorica:** Palynomorphs from Tertiary sediments of the Srpska Crnja local depression (Serbia)

S25-08: **Panitz, Sina; Salzmann, Ulrich; Hocking, Emma; De Schepper, Stijn:** Reconstructing Late Pliocene vegetation and climate fluctuations in the sub-polar North Atlantic region (ODP Site 642, Norwegian Sea)

S25-09: **Pound, Matthew J.; Lowther, Robert I.; Peakell, Jeff; Chapman, Robert J.; Salzmann, Ulrich:** There's pollen (and gold) in them thar hills: Palynological evidence for a warmer boreal climate during the Late Pliocene of the Yukon, Canada

S25-10: **Pound, Matthew J.; Salzmann, Ulrich; Haywood, Alan M.; Riding, James B.:** Vegetation controls on the global distribution and evolution of Late Miocene mammals

S25-11: **Ramírez Arriaga, Elia; Galván-Escobedo, Iris G.; Helenes Escamilla, Javier; Martínez-Hernández, Enrique; Valiente Banuet, Alfonso; Carreño, Ana Luisa:** Palynological comparison and statistical analysis of boreholes B1 and B4 from the San Gregorio Formation (Oligocene-Miocene), Baja California Sur, Mexico

- S25-12: **Romero, Ingrid C.; Jaramillo, Carlos; Zavada, Michael:** Palynological evidence for the paleoenvironmental history of the Miocene Llanos Basin, Eastern Colombia
- S25-13: **Salzmann, Ulrich; Sangiorgi, Francesca; Strother, Stephanie; Bijl, Peter; Pross, Joerg; Raine, Ian; Morgans, Hugh; Shouten, Stefan; Passchier, Sandra; Tauxe, Lisa; IODP, Expedition 318:** Southern High Latitude Vegetation Response to Antarctic glaciation during the Eocene-Oligocene and mid-Miocene climate transition
- S25-14: **Strother, Stephanie; Salzmann, Ulrich; Woodward, John; Sangiorgi, Francesca; Bijl, Peter; Pross, Jörg; IODP, Expedition 318:** Oligocene vegetation and climate change of Wilkes Land, East Antarctica (IODP Expedition 318)
- S25-15: **Taghiyeva, Yelena:** Vegetation and climate of the south Caucasus in the Sarmatian and Meotian Centuries
- S25-16: **Tolotti, Raffaella; De Santis, Laura; Caburlotto, Andrea; Bonci, Cristina; Lucchi, Renata; Salvi, Gianguido; Colizza, Ester; Corradi, Nicola:** Polar marine diatom floras as basic tools for paleo-climatic and paleo-environmental research: Ross Sea and Wilkes Land on the Antarctic continental margin
- S25-17: **Tolotti, Raffaella; De Santis, Laura; Lodolo, Emanuele; Harwood, David; Bonci, Maria Cristina; Corradi, Nicola:** Biosiliceous marine floras responses to climatic and environmental changes during late Eocene-Oligocene-early Miocene transitions in Antarctica
- S25-18: **Traiser, Christopher; Nobis, Michael P.; Roth-Nebelsick, Anita:** Contrasts of environmental and phylogenetic signals in plant morphological traits – an underestimated factor in palaeoenvironmental research? A case study of the extant genus *Pinus*
- S25-19: **Utescher, Torsten; Bozukov, Vladimir; Ivanov, Dimiter:** Early Oligocene palaeoclimate in southeast Bulgaria - a study based on Palaeobotanical data from Ustren (east Rhodope Mts.)

*S26. Seasonal climate differences and their evolution through the Cenozoic of Eurasia (a NECLIME symposium) (convenors: Andrea K. Kern, Gonzalo Jimenez-Moreno & Weiming Wang)*

- S26-01: **Hayashi, Ryoma; Takahara, Hikaru; Inouchi, Yoshio; Takemura, Keiji:** Orbital-scale vegetation response to seasonal climate changes in ocean-atmosphere systems during the last glacial-interglacial cycle based on terrestrial and marine pollen records around Japanese archipelago
- S26-01: **Kawai, Takanori; Hikaru, Takahara; Atsuo, Kotaki; Naoko, Sasaki; Ryoma, Hayashi; Kazuya, Nakagawa:** Differences of vegetation changes from

MIS3 to MIS2 between the inland area and the Sea of Japan area, near Kyoto, western Japan

- S26-01: **Lazarević, Zorica; Milivojević, Jelena:** Early Miocene floras from Serbia  
 S26-01: **Leroy, Suzanne A.G.; López-Merino, Lourdes; Bookman, Revital:** Are the Dead Sea laminae seasonal? Evidence from the taphonomy of pollen  
 S26-01: **Moreno-Domínguez, Rafael; Diez, José B.; Jacques, Frédéric MB; Sender, Luis M.; Ferrer, J.:** Fruits and seeds of palms of genus *Nypa* Steck, 1757 in the Eocene from the Arguis Formation (Arguis, Huesca)  
 S26-01: **Shu, Jun-Wu; Wang, Wei-Ming:** An aquatics-rich Miocene pollen flora from the Bohai Bay Basin, North China: its palaeoclimatic and stratigraphic significance  
 S26-01: **Ślōdkowska, Barbara:** The Miocene climatic changes in the western Poland in the palynological record

*S27. Anthracological and megafossil studies from Quaternary deposits (convenors: Marie Claude Bal-Serin & Juan M. Rubiales)*

- S27-01: **Mickle, James E.; Locklear, Jared R.:** Pleistocene age *Vitis* species from the Atlantic Coastal Plain of North Carolina, USA  
 S27-02: **Pini, Roberta; Castellano, Lorenzo; Ravazzi, Cesare; Raineri, Gianluca; Bona, Fabio; Sala, Benedetto:** First combined findings of in situ fossil wood and pollen of *Parrotia persica* and cf. *Eucommia* sp. in late Early Pleistocene deposits from the northern Apennine fringe (N Italy)  
 S27-03: **Rubiales, Juan Manuel; Cañas, Ignacio; Ezquerro, Francisco Javier; Oria, Juan Andrés:** Extending the Holocene survival of *Pinus sylvestris* at its southwesternmost distribution range  
 S27-04: **Rubiales, Juan Manuel; Díez-Herrero, Andrés; De Nascimento, Lea; Fernández Palacios, José María:** Holocene wood fossils from the "Caldera de Taburiente" (Canary Islands, Spain)  
 S27-05: **Uzquiano, P.; Ruiz-Zapata, M.B.; Gil-García, M<sup>a</sup> José; Martín Arroyo, T.; Baquedano, E.; J.L. Arsuaga, J.L.; Pérez-González, A.:** Plant resources potentiality for Neanderthal groups settled down in the Lozoya Valley, Central Spain, at the beginning of the Upper Pleistocene

*S28. Ecological insights from Quaternary vegetation reconstructions (convenors: Thomas Giesecke & Simon Brewer)*

- S28-01: **Ajitha Sethu, Anusree; Sankaran, Mahesh; Ratnam, Jayashree; Prasad, Vandana:** Tracing the Holocene vegetation dynamics and drivers of vegetation change of the Banni grassland, Gujarat, India



- S28-02: **Francois, Jean-Pierre; Schäbitz, Frank; Quintana, Flavia; Kilian, Rolf:** Exploring the history of the vegetation along the Southern Patagonia (53°S) during the Postglacial
- S28-03: **Halsall, Karen:** The Role of Fire in U.K. Upland Peat Bogs
- S28-04: **Ni, Jian; Ni, Jian; Cao, Xianyong; Jeltsch, Florian; Herzsuh, Ulrike:** Biome distribution over the last 22,000 years in China
- S28-05: **Papadopoulou, Maria; Panajiotidis, Sampson; Tsakiridou, Margarita; Borman, Marc; Panagiotopoulos, Konstantinos; Schäbitz, Frank:** Comparing pollen spectra from oak forests in Southern Balkans
- S28-06: **Robin, Vincent; Nadeau, Marie-Josée; Nelle, Oliver:** Multi-proxy reconstruction of past fire regime of northern central Europe: an innovative approach for a detailed assessment of fire history and ecosystem response
- S28-07: **Theuerkauf, Martin:** Early Holocene expansion of *Corylus* in Central Europe – patterns and pathways
- S28-08: **Winter, Hanna; Kupryjanowicz, Mirosława; Nalepka, Dorota; Balwierz, Zofia; Krzysztof, Bińka; Wojciech, Granoszewski; Kołaczek, Piotr; Majecka, Aleksandra; Małgorzata, Malkiewicz; Małgorzata, Nita; Bożenna, Noryśkiewicz; Agnieszka, Pidek, Irena; Walanus, Adam:** The isopollen maps of the Eemian interglacial in Poland as a base for the reconstruction of migration directions of some trees and shrubs

*S29. Holocene Mediterranean ecosystem responses to climate change, fire and land use (convenors: Daniele Colombaroli, Walter Finsinger & Willy Tinner)*

- S29-01: **Andrieu-Ponel, Valérie; Reille, Maurice; Poher, Yoann; Vella, Marc-Antoine; Cesari, Joseph; Léandri, Franck; Pêche-Quilichini, Kévin; Delanghe-Sabatier, Doriane; Ottaviani-Spella, Marie-Madeleine; Ghilardi, Matthieu:** Natural and cultural landscape of the megalithic Valley of Taravo (Corsica, France) from ca 6500 yr
- S29-02: **Finsinger, Walter; Fonville, Thierry; Kirilova, Emiliya; Lami, Andrea; Guilizzoni, Piero; Lotter, André F.:** A long-term multi-proxy record of varved sediments suggests climate-induced mixing-regime shift in a large hard-water lake ~5000 years ago
- S29-03: **Finsinger, Walter; Kelly, Ryan; Fevre, Jordan; Magyari, Enikő K.:** A guide to screening charcoal peaks in macrocharcoal-area records for fire episode reconstructions
- S29-04: **Leunda, Maria; González-Sampériz, Penélope; Oliva-Urcia, Belén; Moreno, Ana; Aranbarri, Josu; García-Prieto, Eduardo; Gil-Romera, Graciela; Valero-Garcés, Blas:** High altitudinal vegetation dynamics during the Holocene inferred from Marboré lacustrine sequence (Central Pyrenees, NE Spain)

- S29-05: **Messenger, Erwan; Joannin, Sébastien; Ali, Adam; Nomade, Sébastien; Peyron, Odile; Belmecheri, Soumaya; Ollivier, Vincent; Von Grafenstein, Ulrich; Lordkipanidze, David:** Late Quaternary vegetation and fire history in Javakheti (South Caucasus) inferred from two new records: Lake Paravani and Zarishat fen
- S29-06: **Toti, Francesco; Bertini, Adele; Foresi, Luca Maria; D'Orefice, Maurizio:** Environmental changes in Elba Island coastal plains during the middle-late Holocene as reconstructed by palynological analyses
- S29-07: **Christodoulou, Areti; Panagiotidis, Sampson; Gerasimides, Achilles:** Mid to Late Holocene vegetation changes in Troodos Mountain, Cyprus (Southeastern Mediterranean)

*S30. Pollen-vegetation/climate relationships and pollen-based quantitative vegetation/climate reconstructions: state-of-the-art and future avenues (convenors: Marie-Jose Gaillard-Lemdale & Irena Agnieszka Pidek)*

- S30-01: **García-Moreiras, Iria; Sánchez, José María; Muñoz-Sobrino, Castor:** Modern pollen and non-pollen palynomorph assemblages of salt marsh and subtidal environments from the Ría de Vigo (NW Iberia)
- S30-02: **García-Prieto, Eduardo; Gil-Romera, Graciela; Bunting, Jane; González-Sampériz, Penélope; Sevilla-Callejo, Miguel; Aranbarri, Josu; Farrell, Michelle; Sainz, Helios:** First Relative Pollen Productivity Estimates from a Mediterranean-continental region in the Iberian Peninsula, Spain
- S30-03: **Hayashi, Ryoma; Takahara, Hikaru; Sasaki, Naoko; Sugita, Shinya:** Long-term monitoring of tree pollen production and implications for quantitative reconstruction of regional vegetation around Lake Biwa in central Japan
- S30-04: **Hopla, Emma-Jayne; Edwards, Mary; Langdon, Pete:** Using the Landscape Reconstruction Algorithm (LRA) to estimate Holocene regional and local vegetation composition in the Boreal Forests of Alaska
- S30-05: **Lem, Rachael; Marret-Davies, Fabienne; Marshall, Jim:** Towards an understanding of the millennial variability of the West African Monsoon system: a combined palynological and geochemical approach
- S30-06: **Moreno-Amat, Elena; G. Mateo, Rubén; Nieto-Lugilde, Diego; Morueta-Holme, Naia; Svenning, Jens-Christian; García-Amorena, Ignacio:** Assessing the effects of complexity in cross-temporal transferability of species distribution modelling predictions using palaeobotanical data
- S30-07: **Pardoe, Heather:** Climatic controls on pollen accumulation rates in Snowdonia, North Wales
- S30-08: **Rémi, David; Chantal, Leroyer; Florence, Mazier; Dominique, Marguerie; Philippe, Lanos; Philippe, Dufresne; Gisèle, Allenet de Ribemont; David Aoustin; Delphine, Barbier-Pain; Anne-Laure, Cyprien; Lionel Vis-**  
**■t; Abd ■■■■h■d, ■■■■■■m†:** Holocene vegetation cover modelling of the

Paris Basin and the Armorican Massif: inter-regional similarities and specificities of the estimated vegetations from north-western France

S30-09: **Tövisskes, Rita Judit; Molnár, Mihály; Sümegi, Pál; Törőcsik, Tünde:** Detecting Vegetation Change by Pollen, Macro and Microfossil Analysis in an Archaeological Site in Northwestern Hungary

S30-10: **Wacnik, Agnieszka; Bonk, Alicja; Tylmann, Wojciech; Grosjean, Martin:** Reaction of woodland communities on settlement and climatic changes between AD 1250 and 2000 in northeastern Poland. Combined pollen, varve chronology and historical data

*S31. Quaternary pollen and plant macrofossil records from arctic and alpine landscapes (convenors: Juliane Wolter & Romy Zibulski)*

S31-01: **Heinecke, Liv; Herzsuh, Ulrike; Reschke, Maria; Epp, Laura; Stoof-Leichsenring, Kathleen; Plessen, Birgit; Mischke, Steffen:** Analyses of nutrient content in Macrofossils (Potamogeton) and aDNA in lake sediments (Lake Karakul, Tajikistan)

S31-01: **Korona, Olga; Trofimova, Svetlana; Lapteva, Elena:** New Late Pleistocene palaeobotanical data from the Yamal Peninsula, Russia

S31-01: **Svitavska, Helena; Švarcová, Markéta, Gabriela; Kolář, Jan; Kuneš, Petr:** Key factors shaping the Holocene vegetation development of the Bohemian – Moravian Highlands (Czech Republic)

S31-01: **Zibulski, Romy; Herzsuh, Ulrike; Herzsuh, Ulrike:** Plant communities in polygonal landscapes at the Russian tree line (Northern Siberia)

*S33. Assessing Long-Term Human Impact and climate change through integrated palynological, plant macroremains, molecular and stable isotopes analyses (convenors: Anna Maria Mercuri & Laura Sadori)*

S33-01: **Aranbarri, Josu; González-Sampériz, Penélope; Iriarte, Eneko; Moreno, Ana; Rojo-Guerra, Manuel; Peña-Chocarro, Leonor; Valero-Garcés, Blas; Leunda, Maria; García-Prieto, Eduardo; Sevilla-Callejo, Miguel; Gil-Romera, Graciela; Magri, Donatella:** Early Neolithic agriculture spread in continental Iberia: the multiproxy record of Conquezuella paleolake

S33-02: **Bosi, Giovanna; Bandini Mazzanti, Marta; De Felice, Simona:** Biodiversity of Brassicaceae in medieval landfills of Emilia Romagna (Northern Italy); archaeobotanical and genetic analysis (aDNA)

S33-03: **Čierniková, Malvína; Hájková, Petra; Gálová, Andrea:** Holocene vegetation dynamic in a former small lake in the Malé Karpaty Mts. (Slovakia) based on pollen and macrofossil evidence

- S33-04: **Delusina, Irina:** Collection of Tabletop SEM images of oak pollen and its implication for reconstruction of Holocene paleoenvironmental conditions in the Sacramento-San Joaquin Delta, CA
- S33-05: **Feurdean, Angelica; Geanta, Anca; Gałka, Mariusz; Tanțău, Ioan; Hutchinson, Simon M.:** Holocene treeline and timberline dynamics in the Rodna Mountains, Northern Carpathians, Romania
- S33-06: **Feurdean, Angelica; Tanțău, Ioan; de Beaulieu, Jacques-Louis; Reille, Maurice; Fărcaș, Sorina:** Vegetation sensitivity to climate changes and human impact in the Harghita Mountains (Eastern Romania Carpathians) over the past 15,000 years
- S33-07: **Fornaciari, Rita; Olmi, Linda; Arru, Laura; Mercuri, Anna Maria; di Lernia, Savino:** Wild cereals from Holocene central Sahara archaeological sites: aDNA and archaeobotany from the Takarkori rockshelter
- S33-08: **Furlanetto, Giulia; Castellano, Lorenzo; Badino, Federica; Pini, Roberta; Ravazzi, Cesare; Maggi, Valter:** When did the modern landscape emerge in the Northern Italy? Reconstructing the last 2k years landscape history by a multidisciplinary approach
- S33-09: **Giardini, Marco; Sadori, Laura:** The late Holocene pollen record of Lake Shkodra (Albania/Montenegro)
- S33-10: **Korona, Olga; Lapteva, Elena:** Pollen and plant macrofossil studies in the steppe of the Southern Trans-Urals (Orenburg region), Russia
- S33-11: **Lapteva, Elena; Lychagina, Evgeniia:** Pollen-based paleoenvironmental reconstruction of Cis-Ural Neolithic and Chalcolithic periods (Upper Kama basin, Lake Chashkinskoe)
- S33-12: **Lapteva, Elena; Zhilin, Mikhail; Savchenko, Svetlana:** Environmental changes and habitation stages of the Sery Kamen site, Middle Trans-Urals
- S33-13: **Leroy, Suzanne A G; López-Merino, Lourdes; Haldorsen, Sylvi; Heun, Manfred; Reynolds, Alan:** Can *Triticum urartu* be identified by pollen analysis? Implications for detecting the ancestor of the extinct two-grained einkorn-like wheat
- S33-14: **Madeja Jacek:** Palynological and molecular study on human activity around Lake Łańskie (NE Poland) from mid Holocene
- S33-15: **Mariotti Lippi, Marta; Bellini, Cristina; Guido, Maria Angela; Montanari, Carlo:** Coastal areas of NW Italy: a residence for survival during the climatic deterioration of Late-Pleistocene to Mid Holocene
- S33-16: **Mariotti Lippi, Marta; Guido, Maria Angela; Molinari, Chiara; Moneta, Valentina; Montanari, Carlo:** Holocene changing landscapes in the C-W Ligurian mountains and man's role in their shaping
- S33-17: **Miola, Antonella; Maritan, Michele; Gaudioso, Barbara; Piovan, Silvia; Mozzi, Paolo:** Human impact at the beginning of urbanization in the Venetian plain, through integrated biological analyses. The case study of Padua at the end of the Bronze Age-beginning of the Iron Age

- S33-18: **Montecchi, Maria Chiara; Oliva, Rosa; Mercuri, Anna Maria:** The archaeobotanical project “Il vino di Polifemo”: the recovery of *Vitis* pollen grains at the Villa Romana del Casale (Sicily)
- S33-19: **Pepe, Caterina; Andrieu Ponel, Valérie; Masi, Alessia; Sadori, Laura:** Palynological study of the Tiber delta area: natural environment and cultural landscape during the last three millennia
- S33-20: **Ryabogina, Natalia; Ivanov, Sergey; Larin, Sergey; Larina, Natalia; Klimin, Mikhail:** Ratio of forest and steppe biomes in the second half of the Holocene as an indicator of climatic and anthropogenic influence in the south of Western Siberia
- S33-21: **Sasaki, Naoko; Murakami, Yasuyuki; Makibayashi, Keisuke; Hayashi, Ryoma; Takahara, Hikaru:** Impacts of ancient manufacture on vegetation during the late Holocene in the Seto Inland Sea region, Japan: examples of salt and iron productions
- S33-22: **Segnana, Michela; Gabrieli, Jacopo; Poto, Luisa; Festi, Daniela; Oegg, Klaus; Barbante, Carlo:** Late Holocene climate and environmental variations in the Dolomites (Eastern Italian Alps) inferred from pollen and geochemical analyses
- S33-23: **Svitavska, Helena; Bureš, Jan; Nesvadbová, Jaroslava; Bezděk, Marcel:** How a forest hollow reflects the prehistoric human settlement: A case study from the Western Bohemia (Czech Republic)
- S33-24: **Vassio, Elena; Bombardieri, Luca:** Archaeobotanical evidences in the Bronze Age workshop complex at Erimi-Laonin tou Porakou, Cyprus
- S33-25: **Zyuganova, Inna; Novenko, Elena; Volkova, Elena:** Late Holocene vegetation and climate dynamics and human-environment interaction in the forest-steppe zone of the East European Plain (based on multi-proxy data from the Upper Don basin)

*S35. Non-Pollen Palynomorphs in Quaternary Research: State of the art and application to the reconstruction of local environmental change (convenors: Antonella Miola & Jean Nicolas Haas)*

- S35-01: **Dal Corso, Marta; Nicosia, Cristiano; Balista, Claudio; Cupitò, Michele; Dalla Longa, Elisa; Leonardi, Giovanni; Kirleis, Wiebke:** The study of botanical microfossils from a near-site archive close to the Bronze Age settlement of Fondo Paviani (Verona, Italy)
- S35-02: **Halsall, Karen:** Methodology to improve sample preparation standardisation for charcoal fragment, Testate Amoebae and Non-Pollen Palynomorph analysis used in high resolution multiproxy Holocene environmental reconstructions
- S35-03: **Hardy William; Penaud Aurélie; Marret Fabienne; Droz Laurence; Marsset Tania:** Deglacial and Holocene centennial-scale paleohydrological

changes off Congo River: dinoflagellate cyst evidences of prevalent Austral forcing

- S35-04: **Karpińska-Kołaczek, Monika; Kołaczek, Piotr; Stachowicz-Rybka, Renata; Obidowicz, Andrzej; Woszczyk, Michał:** Terrestrialization of the small lake reconstructed on the basis of palaeobotanical and geochemical proxies – a case study from NE Poland
- S35-05: **Martkoplshvili, Inga; Kvavadze, Eliso:** New possibilities for determination of the diet on the basis of the analysis on non pollen palynomorphs from the content of archaeological vessels
- S35-06: **Piotr, Kołaczek; Mariusz, Gałka; Monika, Karpińska-Kołaczek:** Woodland succession and lake-mire transformations during the Late Glacial in the light of palaeobotanical proxies: a case study from Kobylnica Wołoska (SE Poland)
- S35-07: **Ponel, Philippe; Court-Picon, Mona; Badura, Monika; Guter, Frédéric; Beaulieu, Jacques-Louis, de; Valérie, Andrieu-Ponel; Michelle, Leydet; Marjan, Mashkour; Hamid, Lahijani; Morteza, Djamali:** Coprophilous Coleoptera vs fungal spores : examples from Iran and from the Alps
- S35-08: **Torri, Paola; Bosi, Giovanna; Montecchi, Maria Chiara; Rinaldi, Rossella; Bandini Mazzanti, Marta:** The city of Modena (Emilia Romagna, Northern Italy). Seeds and fruits, pollen and non pollen palynomorphs from layers dated to Roman period
- S35-09: **Zimny, Marcelina; Pędziszewska, Anna; Latałowa, Małgorzata:** Spores of coprophilous fungi in the fossil pollen spectra from Białowieża National Park, NE Poland

*S36. Advances in Quaternary pollen and plant macrofossil stratigraphy (convenors: Donna-tella Magri & Cesare Ravazzi)*

- S36-01: **García-Moreiras, Iria; Martínez-Carreño, Natalia; García-Gil, Soledad; Muñoz-Sobrino, Castor:** The last glacial-interglacial transition in NW Iberia: new multi-proxy data of shallow marine sediments from the Ría de Vigo
- S36-02: **González-Sampériz, Penélope; García Prieto, Eduardo; Aranbarri, Josu; Gil-Romera, Graciela; Sevilla-Callejo, Miguel; Moreno, Ana; Santos, Luisa; Andrade, Antonia; Franco-Múgica, F; Carrión, José; Valero-Garcés, Blas:** El Cañizar de Villarquemado sequence: an unexpected vegetation cover for the Eemian in the inner continental Iberia
- S36-03: **Hooghiemstra, Henry; Torres, Vladimir; Bogotá-A., Giovanni; Groot, Mirella; Lourens, Lucas:** The Quaternary pollen record of Colombia
- S36-04: **Muñoz Sobrino, Castor; García-Moreiras, Iria; Martínez-Carreño, Natalia; Cartelle Alvarez, Victor; García-Gil, Soledad:** Environmental history of a coastal insular system reconstructed from shallow marine records: the last three millennia in the Cíes Islands (Ría de Vigo, NW Iberia)

- S36-05: **Pidek, Irena Agnieszka; Poska, Anneli:** Pollen based quantitative climate reconstructions: modern analogues based approach to Middle Pleistocene sequences from E Poland
- S36-06: **Richards, Keith; Richards, Anna:** Pollen analysis and radiocarbon dating of the mid-Holocene “fossil forest” at Conwy, North Wales, United Kingdom
- S36-07: **Shimada, Misaki; Takahara, Hikaru; Imura, Ryusuke; Haraguchi, Tsuyoshi; Yonenobu, Hitoshi; Hayashida, Akira; Yamada, Kazuyoshi:** Vegetation history based on pollen and charcoal analyses since the Last Glacial Maximum in southern Kyushu, Japan
- S36-08: **Tonkov, Spassimir; Bozilova, Elissaveta; Possnert, Göran:** A 13000-year pollen record from a subalpine lake in the Rila Mountains, Bulgaria
- S36-09: **Vassio, Elena:** Vegetation pictures of the Apennine area between Liguria and Piedmont throughout the Holocene with a focus on carpological assemblages