

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; Herzschuh, 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 clematitis* (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: Natalie 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

- S39-01: **Gordenko, Natalia; Broushkin, Anatoly:** On the nature of the collar in *Ginkgo* L.
- S39-01: **Kawashima, Shigeto; Lemonis, Natalie; Clot, Bernard; Oliver, Gilles; Thibaudon, Michel; Fujita, Toshio:** An improved methodology for automated counting of airborne pollen using laser optics
- S39-01: **Levkovskaya, Galina:** How to use palynoteral statistics for the differentiation of normal and stressed states of vegetation (past and present)?
- S39-01: **Levkovskaya, Galina:** Palynoteral and unpalynoteral complexes of sediments as a basis for the differentiation of normal and stressed states of vegetation (past and present)
- S39-01: **Mackey, Joanne; McCarthy, Dave; Tunwal, Mohit; Unida, Stefania:** Automated image enhancement and segmentation for detecting boundaries of palynological material
- S39-01: **Mao, Limi:** Tracing ancestral biogeography of Sonneratia based on fossil pollen and their probable modern analogues
- S39-01: **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)
- S39-01: **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
- S39-01: **Ramirez Valencia, Valentina; Sanin Robayo, David:** Spore morphology in relation to phylogeny in the fern *Serpocaulon* (Polypodiaceae)
- S39-01: **Tsukagoshi, Minoru:** Reexamination of the taxonomy of the genus *Hemitrapa* (Trapaceae) from Europe and North America
- S39-01: **Tsukagoshi, Minoru; Okano, Hiroshi:** The spreading of paleobotanical research on *Metasequoia* and its relationship with Cultural Development
- S39-01: **Uitdehaag, S.C.A.; Kuiper, I.:** Palynology applied in forensic casework; possibilities and pitfalls
- S39-01: **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

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, Zongudak 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; Velsler, 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: **Van Waveren, Isabel; Hasibuan, Fauzie; Putri Perdono, Andri; Crow, Michael; Schmitz, Mark; 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?

S17-08: **Villanueva-Amadoz, Uxue; González-León, Carlos M.:** The oldest record of some pollen grains from late Campanian-early Maastrichtian in Mexico

S17-09: **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

S37-01: **Mantsurova, Valentina:** Miospore assemblages from the Pokayama Formation of the North Timan (Famennian, Devonian, Russia)

S37-01: **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

S38-01: **Vodicka, Jakub; Hroch, Tomas; Fatka, Oldrich:** Preliminary report on Chitinozoans from the Letná Formation (Prague Basin, Czech Republic)

S38-01: **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: **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; Selmecezi, 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; Tsaparas, 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: **dataBouchal, 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. Tunçay:** 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 Sebkhia 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 & Wei-Ming 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: **Ślodkowska, 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^a 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
- S29-01: **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
- S29-01: **Finsinger, Walter; Kelly, Ryan; Fevre, Jordan; Magyari, Enikő K.:** A guide to screening charcoal peaks in macrocharcoal-area records for fire episode reconstructions
- S29-01: **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)
- S29-01: **Message, 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

- S29-01: **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

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)

- 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-**
é; Abdouahmed, Ouassam: 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; Töröcsik, 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; Herzschuh, 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; Herzschuh, Ulrike; Herzschuh, 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 Conquezueta 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: Donatella 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