



Madrid, June 2015

16th Annual NECLIME Meeting
Geominero Museum
Geological Survey of Spain
(Instituto Geológico y Minero de España)

Madrid, October 14 – 17, 2015

THIRD CIRCULAR

ORGANIZING COMMITTEE

Chairman:

- María F. Valle, Salamanca University, Spain

Executive Secretary:

- Eduardo Barrón, Geological Survey of Spain, Madrid

Members:

- Angela A. Bruch, Senckenberg Research Institute, Frankfurt am Main, Germany
- Manuel Casas-Gallego, Robertson (UK) Ltd., United Kingdom
- José María Postigo-Mijarra, School of Forestry Engineering. Technical University of Madrid
- Isabel Rábano Gutiérrez del Arroyo, Geological Survey of Spain, Madrid
- M^a Rosario Rivas-Carballo, Salamanca University, Spain
- Torsten Utescher, Steinmann Institute, Bonn University, Germany

SPONSORS

Instituto Geológico y Minero de España (Spanish Geological Survey)

Department of Geology, Faculty of Sciences, University of Salamanca

Research Project n°_CGL2011-23438/BTE (Environmental characterization of Miocene lacustrine systems with marine-like faunas from the Duero and Ebro basins: geochemistry of biogenic carbonates and palynology), Instituto de Ciencias de la Tierra Jaime Almera (Spanish Council for Scientific Research - CSIC).



**VNiVERSiDAD
D SALAMANCA**

VENUES

To get to Madrid, please see the following sites:

<http://www.esmadrid.com>

<http://www.spain.info/es/que-quieres/ciudades-pueblos/grandes-ciudades/madrid.html>

The meeting will be held at the Museo Geominero (Spanish Geological Survey – Instituto Geológico y Minero de España – IGME; <http://www.igme.es>). The venue is located nearby the center of the town (23, Ríos Rosas street). It is a well-communicated place by public transport (the subway Metro Line 1 and the urban buses 12 and 45 stop at 150 m from the IGME).

PRESENTATIONS

The oral sessions will consist of talks scheduled for 20 minutes plus some minutes for discussion, that will be arranged on October 15th to 16th (Thursday to Friday) in the “Cristóbal Bordiu” lecture-room of the Spanish Geological Survey, which is located beside the Geominero Museum (Ríos Rosas 23, 28003 Madrid).

Posters will be displayed during Thursday 15th and Friday 16th. A poster session with 5–10 minutes of short expositions and discussions will hold Thursday afternoon (18.15-18.35).

MEETING FIELD TRIP

Unfortunately, the field trip to Atapuerca (Burgos) has been canceled because the most of participant in the meeting prefer to assist Saturday 17th to a guide visit of the Royal Botanical Garden of Madrid.

PROGRAMME

Wednesday, October 14th

Geominero Museum (Instituto Geológico y Minero de España, IGME)

16.00-18.00	Reception of participants
18.00-19.00	Guided visit to the Museum
19.00...	Short walking city tour through the centre of Madrid

Thursday Morning, October 15th

9.30-10.00	Reception of participants
10.00-11.30	<p>Inauguration of 16th NECLIME Meeting</p> <p>Invited conference: Reconstructing paleofloras based on fossils, climate and molecular phylogenetics</p> <p>Dr. Pablo Vargas (Real Jardín Botánico, CSIC)</p>
11.30-12.00	Coffee break
12.00-12.20	<p>Wilfried Konrad and Anita Roth-Nebelsick</p> <p>DERIVATION OF PALAEO-CO₂ FROM STOMATAL DENSITY VIA THE OPTIMALITY PRINCIPLE AND LEAF ENERGY BALANCE</p>
12.20-12.40	<p>Wen-Yun Chen, Tao Su and Zhe-Kun Zhou</p> <p>SPATIAL DISTRIBUTION OF LEAF PHYSIOGNOMY FEATURES OF WOODY DICOTYLEDONS IN CHINA AND THEIR RELATIONSHIP WITH CLIMATE</p>
12.40-13.05	<p>Istem Fer</p> <p>BAYESIAN APPROACH FOR CLIMATE RECONSTRUCTION FROM PLANT BASED PROXY DATA - THROUGH INVERSE VEGETATION MODELING</p>
13.05-13.25	<p>Thomas Gillot, Isabelle Cojan and David Badia</p> <p>PALEOSOLS, AN UNDERESTIMATED TOOL FOR PALEOCLIMATIC RECONSTRUCTION IN CONTINENTAL SUCCESSIONS. APPLICATION TO THE LORANCA AND DIGNE-VALENSOLE BASINS - EARLY TO MIDDLE MIOCENE</p>

Thursday Afternoon, October 15th

16.00-17.00	<p>Invited conference: Quaternary and Recent flora and vegetation of the Iberian Peninsula. Evolution and their role in a Mediterranean environment</p> <p>Dr. Fátima Franco (Autónoma University, Madrid)</p>
17.00-17.20	<p>Yong-Jiang Huang, Hai Zhu, Tao Su and Zhe-Kun Zhou</p> <p>EARLY PLEISTOCENE CLIMATES AT HEQING OF THE SOUTHEASTERN BORDER OF THE TIBETAN PLATEAU EXTRACTED FROM A SEED AND FRUIT FOSSIL ASSEMBLAGE</p>
17.20-17.40	<p>Tao Su, Zhe-Kun Zhou, Jonathan M. Adams, Torsten Wappler, Yong-Jiang Huang, Frédéric M.B. Jacques and Yu-Sheng (Christopher) Liu</p> <p>PLANT-INSECT INTERACTIONS IN OAK FORESTS UNDER QUATERNARY CLIMATE CHANGES</p>
17.40-18.15	Coffee break
18.15-18.35	Poster session
18.35-18.55	<p>Zhe-Kun Zhou, Tao Su and Yong-Jiang Huang</p> <p>PLANT BIODIVERSITY SHAPED BY PALEOENVIRONMENTAL CHANGES IN YUNNAN, SW CHINA</p>
18.55-19.25	<p>Torsten Utescher, Boglárka Erdei, Louis François and Alexandra-Jane Henrot</p> <p>TRACING PRECIPITATION PATTERNS IN SW EUROPE IN THE MIOCENE – A STUDY BASED ON DIVERSITIES OF PLANT FUNCTIONAL TYPES</p>
19.00-19.15	<p>James H. Nebelsick, Davide Bassi, Florian Nitsch, Tobias B. Grun</p> <p>QUANTIFICATION OF COMPONENT DIVERSITIES WITHIN CIRCUMALPINE CARBONATES ACROSS THE PALEOGENE/NEOGENE TRANSITION</p>

Friday Morning, October 16th

10.00-11.00	<p>Conference: Floristic changes in the Iberian Peninsula throughout the Cenozoic. State of the art</p> <p>Dr. Eduardo Barrón (Instituto Geológico y Minero de España - IGME)</p>
11.00-11.20	<p>Manuel Casas-Gallego</p> <p>LAST OCCURRENCE OF SOME PALEOGENE SPECIES DURING THE LATE OLIGOCENE IN NW SPAIN</p>
11.20-11.40	<p>Cristina Alcalde-Olivares</p> <p>PALAEOENVIRONMENTAL INTERPRETATION OF TWO MACROFOSSIL SITES IN NORTHERN IBERIAN PENINSULA</p>
11.40-12.15	<p>Coffee break</p>
12.15-12:35	<p>Bainian Sun, Qiujun Wang, Fujun Ma, Junling Dong and Yi Yang</p> <p>CUTICULAR STRUCTURES OF SEVERAL PALMS FROM THE PALAEOGENE IN SOUTH CHINA AND THEIR GEOLOGICAL SIGNIFICANCE</p>
12.35-12.55	<p>Desa Đorđević-Milutinović, Branka Stevanović, Goran Čulafić</p> <p>EARLY MIOCENE <i>NELUMBO</i> FROM BERANE BASIN IN MONTENEGRO. FOSSILIZED LEAVES, ROOTS AND RHIZOMES</p>
12.55-13.15	<p>Svetlana Popova, Torsten Utescher, Dmitry V. Gromyko and Angela A. Bruch</p> <p>CLIMATE AND VEGETATION DYNAMICS FROM THE HIGH ARCTIC TO THE CASPIAN REGION DURING THE CENOZOIC - A STUDY BASED ON FOSSIL MACRO- AND MICROFLORAS</p>
13.15-13.35	<p>Jian Huang and Zhe-Kun Zhou</p> <p>MIOCENE FLORA AND CLIMATE OF WENSHAN, SW CHINA AND THEIR ECOLOGICAL IMPLICATIONS</p>

Friday Afternoon, October 16th

16.00-16.20	Eduardo Barrón, Pere Anadón, María Teresa Martín-Rubio, Julio Rodríguez-Lázaro, Rosa Utrilla, Antonio Vázquez PALAEOENVIRONMENTAL AND PALAEOCLIMATIC ASPECTS FROM PALYNOLOGICAL DATA OF TWO ATALASIAN MIOCENE LACUSTRINE SYSTEMS OF THE IBERIAN PENINSULA
16.20-16.40	Enrique Peñalver FOSSIL INSECTS AND PALAEOCLIMATOLOGY
16.40-17.00	José M ^a Postigo-Mijarra, Eduardo Barrón VALLESIAN (LATE MIOCENE) VEGETATION AND CLIMATE IN THE NORTHEASTERN IBERIAN PENINSULA
17.0-17.20	Olena Sirenko, Tetiana Stefanska and Olesya Bondar LATE PLIOCENE CLIMATIC FLUCTUATIONS IN THE SOUTHERN UKRAINE AND THEIR DISPLAY IN BIOTA COMPOSITION
17.20-17.40	Nelsa Cardoso, Nei Ahrens Haag, Camile Urban and Karen Adami Rodrigues WEST AMAZON – PALEOCLIMATIC INTERPRETATIONS THROUGH PALEOFLORA
17.15-17.30	Angela Bruch EARLY HOMINID EXPANSION INTO SOUTHERN EUROPE AND PALEOBOTANICAL EVIDENCES OF POSSIBLE CLIMATIC CONSTRAINTS
17.30-18.00	Closure of the Meeting

21.00	Conference dinner
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Saturday morning , October 17th

10.30-13.00	Guided visit to the Royal Botanical Garden
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POSTER PRESENTATIONS

- 1. SHAPE INDEX – A NEW PARAMETER FOR HEAT TRANSFER CAPACITY OF LEAVES.**
Anita Roth-Nebelsick and Christopher Traiser

2. **DYNAMICS OF BIODIVERSITY IN THE BULGARIAN CENOZOIC FLORA BASED ON MACROPALAEOBOTANICAL DATA.** Vladimir Bozukov and Torsten Utescher
3. **UPPER MIOCENE VEGETATION AND CLIMATE IN THE CENTRE OF THE DUERO BASIN (SPAIN) FROM PALYNOLOGICAL DATA.** M^a Rosario Rivas-Carballo and María Valle-Hernández