



XXI International Congress

Carpathian Balkan Geological Association
Salzburg (Austria), September 10 -13, 2018

CBGA 2018 - Austria



CBGA 2018 – AUSTRIA

XXI International Congress of the Carpathian Balkan Geological Association (CBGA)

University of Salzburg (Austria), September 10–13, 2018

Session programme

All oral & poster presentations

GT1-1 Stable Isotopes in Earth System Sciences

Convenors: Ana-Voica Bojar, Christophe Lecuyer, Gabriela Cristea & Andrzej Pelc

Oral presentations

T. Peryt, R. Anczkiewicz, J. Szaran, St. Hałas, M. Jasionowski, S. P. Hryniv, A. V. Poberezhskyy: *Isotopic indicators in mid-Badenian evaporites of northern Paratethys*

V. Guly: *Isotopic signatures and geological-mineralogical peculiarities of the Phanerozoic evaporate-bearing formations as key indicators of the Precambrian sulfates origin*

G. Cristea, St. Radu, R. Puscas, D. A. Magdas, C. Voica, G. Ion, M. Melinte-Dobrinescu, I. Turcu: *Carbon isotope fingerprint - a proxy for climatic changes during the middle and late-Holocene in a peat bog from Maramureş Mountains (Romania)*

P. Szabó, J. Kovács, L. Kocsis, T. Vennemann: *Pliocene paleoenvironmental reconstruction in Carpathian–Balkan region based on stable isotope compositions of mammal teeth*

A.-V. Bojar, Ch. Lecuyer, H.-P. Bojar, F. Fourel, St. Vasile: *Ecophysiology of vent communities, Manus Basin, Papua New Guinea: insights from stable isotope geochemistry, minor element content and shell microstructure*

A. Beqiraj, M. Mussi, S. Bublaku, M. Catania: *Use of Hydrochemical and Isotopic Indices to Trace Water Leakages from Lake Badovc (Kosovo) and Lake Koman (Albania)*

Poster presentations

Andrzej Pelc, Karolina Marciszuk, Tomasz Pieńkos, Arkadiusz Cizak, Ana-Voica Bojar: *Analysis of stable chlorine isotope composition with high accuracy*

Thomas Rinder, Jacques Schott, Thomas Zambardi, Eric H. Oelkers: *Silicon isotopic fractionation during water-rock interaction*

Vasyl Gulyi: *Stable isotopic and mineralogical investigations of rich in carbonaceous and carbonates flysch rocks of the Ukrainian Carpathian*

Gabriela Cristea, Stela Cuna, Sorina Fărcaș, Ioan Tanțău, Dana Alina Magdas: *Water column distribution (45 m depth) of stable isotopes in Black Sea – a preliminary study*

József Fekete, Máté Karlik, Marcel Mindrescu, Ionela Grădinaru, Gábor Bozsó, Lóránt Bíró, Zoltán Kern: *Organic and inorganic geochemical parameters of laminated lacustrine sediments may serve as proxies reflecting the climatic and environmental changes within the catchment area and inside the lake*

GT2-1 Mesozoic of the Tethys realm

Convenors: *Sigrid Missoni, Michal Krobicki, Michael Wagreich, Martin Djakovic, Hans-Jürgen Gawlick, János Haas, Adamantios Kiliás, Tea Kolar-Jurkovsek, Jozef Michalik*

Oral presentations

J. Haas, T. Budai: *Development, dolomitization and drowning of Middle Triassic isolated carbonate platforms, Transdanubian Range, Hungary*

A. E. Götz, G- Ajdanlijsky, A. Strasser: *Palynology of a Middle Triassic (Anisian) ramp system (NW Bulgaria): Towards a refined age control and depositional model*

A. Uchman, T. Rychliński, A. Gaździck: *Lower Jurassic Bahamian-type facies of the Hronicum domain in the Tatra Mts (West Carpathians, Poland) conditioned by palaeogeography and palaeocirculation in the Western Tethys*

T. C., Š. Goričan, H.-J. Gawlick, M. Auer: *Pliensbachian (Early Jurassic) radiolarians from Mt. Rettenstein, Northern Calcareous Alps, Austria*

M. Krobicki, J. Iwańczuk, M. Barbacka, B. Muceku: *Early Jurassic (Pliensbachian–Early Toarcian) shallow-water environments with faunal and floral associations in the Albanian Alps*

T. Cifer, Šp. Goričan, H.-J. Gawlick, M. Auer: *Pliensbachian (Early Jurassic) radiolarians from Mt. Rettenstein, Northern Calcareous Alps, Austria*

J. Grabowski, R. Jach, A. Chmielewski, D. Reháková, A. Wilamowski: *Kimmeridgian/Tithonian boundary interval in the Lower Sub-Tatric and High-Tatric successions, Tatra Mts (Poland): integrated bio-, chemostratigraphy and magnetic susceptibility*

G. Ghon, H. J. Gawlick, S. Missoni, N. Djerić, A. Kiliás, S. Gorican: *Age and microfacies of a carbonate-clastic radiolaritic basin fill above the Koziakas Mélange (Hellenides, Greece)*

A. Uta, B. Muceku: *Microfacies and microfossils from the Upper Berriassian-Lower Valanginian carbonate deposits from “Guri i Pellumbave” section, Mirdita zone*

V. Diersche, M. Auer, H.-J. Gawlick, S. Missoni, F. Schlagintweit, H. Suzuki: *Late Jurassic evolution of the Steinernes Meer (Berchtesgaden, Germany), emplacement of the “Juvavic” Klippen, and the role of Hahn’s Miocene Hundstod overthrust*

G. Csaszar, H.-J. Gawlick: *Comparison and correlation of Jurassic and Lower Cretaceous successions of the Eastern Alps and the Transdanubian Range - Similarities and differences*

Š. Goričan, L. Žibret, A. Košir, D. Kukoč, A. Horvat: *Lower Cretaceous (Neotethyan) flysch in the eastern Southern Alps (NW Slovenia)*

M. Benzaggagh: *Tholeiitic basalts and ophiolitic complexes of the Mesorif Zone (External Rif, Morocco) at the Jurassic-Cretaceous boundary and the importance of the Ouerrha Accident in the palaeogeographic and geodynamic evolution of the Rif Mountains*

M. Wagreich: *The type- Gosau Group of the Northern Calcareous Alps: Upper Cretaceous to Paleogene basins*

Poster presentations

- Géza Császár, Hans-Jürgen Gawlick, H-J. Michael Wagreich:** *Correlation of Mesozoic lithostratigraphic units of the East Alpine Bajuvaric and Tirolic units and the North-eastern part of the Transdanubian Range*
- Mario Kriber, Franz Neubauer, Gertrude Friedl :** *A black shale facies in the upper Werfen Formation: Indication of an anoxic event during the rifting of the Meliata Ocean?*
- Annette E. Götz, Ákos Török George Ajdanlijsky :** *Anisian climate change inferred from a new $\delta^{18}O$ record from conodont apatite*
- Sigrid Missoni, Damjan Čađenović, Martin Đaković , Hans-Jürgen Gawlick:** *Carnian outer continental shelf succession in the Budva Zone (Montenegro)*
- Martin Đaković, Hans-Jürgen Gawlick, Damjan Čađenović, Sigrid Missoni, Mileva Milić, Leopold Krystyn:** *Bithynian cherty limestones of the Rosni virovi locality, Budva zone (southern Montenegro)*
- Michael A. J. Vitzthum, Hans-Jürgen Gawlick, Sigrid Missoni, Adamantios Kiliass:** *A Late Triassic - Early Jurassic open-marine succession from the western Pindos (Greece)*
- Daniela Alexandra Popescu, Liviu Gheorghe Popescu:** *Triassic Foraminifera from the Carbonate blocks of the Transilvanian Nappes of the Eastern Carpathians (Romania)*
- Damjan Čađenović, Hans-Jürgen Gawlick, Martin Đaković, Sigrid Missoni, Novo Radulović, Mileva Milić:** *Bulog limestone and volcano-sedimentary peperites of Željeznica river (southern Montenegro)*
- Milan N. Sudar, Divna Jovanović, Hisashi Suzuki, Richard Lein, Sigrid Missoni, Hans-Jürgen Gawlick:** *Age and genesis of the Hallstatt Mélange in the Inner Dinarides of Serbia*
- Nicole Baumgartner, Hans-Jürgen Gawlick, Sigrid Missoni, Emanoil Sasaran:** *Open marine Carnian succession from the Apuseni Mountains (Codru-Moma Nappe System, Romania)*
- Sigrid Missoni, Hans-Jürgen Gawlick, Dušan Plašienka, Špela Goričan, Rastislav Vojtko, Hisashi Suzuki:** *Callovian contractional tectonics in the Muráň Nappe, Western Carpathians (Slovakia)*
- Jan Golonka, Anna Waškowska, Petr Skupien, Zdeněk Vašíček, Daniela Reháková, Miroslav Bubik, Michał Krobicki, Tadeusz Słomka:** *Paleogeography, lithostratigraphic units and organic-rich Jurassic rocks in the Protosilesian Basin (Carpathians)*
- Nevenka Djerić, Hans-Jürgen Gawlick, Sigrid Missoni, Géza Császár, Nikita Bragin:** *Well preserved Late Bathonian to Callovian radiolarian faunas from the Lókút Radiolarite in the Gerecse Mountains (Transdanubian Range, Hungary)*
- Anna Waškowska, Felix Gradstein, Andrew Gale, Ludmila Kopaeovich, Algimantas Grigelis, Larisa Glinskikh, Agnes Görög:** *Jurassic planktonic foraminifera – and overview*
- Géza Császár:** *Comparison of Darwin atoll and the Mecsek type atoll (or reef?)*
- Lilian Švábenická, Andrea Svobodová, Daniela Reháková, Marcela Svobodová, Petr Skupien, Tiiu Elbra, Petr Schnabl:** *Jurassic-Cretaceous boundary in the Outer Western Carpathians - high resolution stratigraphy and paleoenvironmental interpretation*
- Andreea Uta, Gjani Eleni:** *Microbial structures and micrenocrusters from the Upper Beriasian-Lower Valanginian of Guri I Pellumbeve section, Mirdita zone. Albania*
- Luminița Zaharia, Andreas Gärtner, Mandy Hofmann, Ulf Linnemann:** *U-Pb detrital zircon ages of the Upper Cretaceous Groși Unit (Apuseni Mts., Romania) – constraining the potential sediment sources*
- Milena Duncic, Ivan Dulic, Violeta Gajic, Goran Bogicevic:** *Some Upper Cretaceous carbonate-clastic complexes in Serbia: implications for Gosau-type basin development*
- Bojana Džinić, Miloš Radonjić, Nevenka Đerić:** *Upper Cretaceous fauna from platform carbonates in eastern Serbia (Vrbovac Beds)*

Maria Meszar, Susanne Gier, Michael Wagreich: *Clay mineralogy of a 10 Ma interval in the NW Tethyan Upper Cretaceous (Postalm, Austria)*

Veronika Koukal, Michael Wagreich: *Facies of Paleogene deep-water deposits of the Upper Gosau Subgroup at Gams (Styria, Austria)*

Ján Soták, Michal Kováč, Dušan Plašienka: *The Paleogene basin system developed in a weakness zone of the Central Western Carpathian orogenic wedge*

GT2-2 Climate and biota of the Cretaceous and early Paleogene

Convenors: *Hans Egger & Alfred Uchman*

Oral presentations

J. Michalík, D. Reháková, O. Lintnerová: *High resolution study of possible regional GSSP key sections of the Jurassic/Cretaceous boundary in Slovakian Western Carpathians*

K. Fekete, J. Michalík, D. Boorová, J. Soták, O. Lintnerová, A. Svobodová: *Lower Cretaceous sedimentary evolution of carbonate platforms in the Manín Unit (Western Carpathians, Slovakia)*

C. Solak, K. Tasli: *Albian-Turonian benthic foraminiferal bio-events: a case study from the Bey Dağları Carbonate Platform, Western Taurides, S Turkey*

K. Mikadze, N. Lapachishvili, N. Ikoshvili, M. Onophrishvili: *Biostratigraphy of Upper Cretaceous sediments (Western Georgia) and some data on paleoenvironment based on macro- and microfauna*

J. Soták, S. Antolíková: *Stratigraphic constraints, biotic changes and paleoenvironmental proxies of K/T and early Paleogene events in the Western Carpathians*

Poster presentations

Stjepan Ćorić, Boban Jolović, Nenad Toholj, Dragan Mitrović, Spasoje Glavaš: *The Paleocene sediments in the Bosnian Flysch Unit (Internal Dinaridic Platform, Bosnia and Herzegovina)*

Felix Schlagintweit, Ioan I. Bucur, Milan N. Sudar: *Bispiraloconulus serbiacus n. gen., n. sp., a giant arborescent benthic foraminifera from the Berriasian of Serbia*

Nicolae Trif, Vlad A. Codrea: *Upper Cretaceous fish teeth from Peștera, Dobrogea (Romania)*

Omar Mohamed, Hans Egger: *Eocene Dinoflagellate Cyst Assemblages from the northwestern Tethyan margin (Adelholzen Section, Eastern Alps, Germany)*

Christa-Ch. Hofmann, Stefanie Bleidt, Hans Egger: *The diversity of Malvaceae pollen grains (LM and SEM analysis) from some Eocene and Miocene localities.*

GT2-6 New developments in Paratethys Research

Convenors: *Mathias Harzhauser & Werner Piller*

Oral presentations:

P. Gozhyk, A. Andreeva-Grigorovich, M. Ivanik, Ninel Maslun, N. Zhabina (1), Volodymir Zosimovich, I. Suprun, Sv.

Gnylko, D. D. Waga: *Regional stages of the Paleogene and Neogene sedimentary formations of Ukraine: biostratigraphy and correlation*

M.-E. Kallanxhii, R. Bălc, St. Ćorić, Sz.-F. Székely: *The Rupelian- Chattian transition in the north-western Transylvanian Basin (Romania) revealed by the calcareous nannofossils: implications for biostratigraphy and palaeoenvironmental reconstruction*

L. Rundić, N. Vasić, M. Banješević, D. Prelević, V. Gajić, Marija Jovanović, N. Pantelić, J. Stefanović: *New biostratigraphic, sedimentological, and radiometric data from Lower - Middle Miocene of the Zaječar area (westernmost part of Dacian basin, eastern Serbia)*

V. Gajic, I. Dulic: *Biostratigraphy of the Middle Miocene from the boreholes of south-west Banat, Serbia*

L. Zaharia, R. Bălc, R.-I. Bercea, A. Gärtner, U. Linnemann: *Sedimentation timing of the foredeep deposits from Gura Vîtioarei section, Romanian Carpathians – implications for the stratigraphy of Lower Miocene in the Paratethys domain*

N. Grba, A. Šajnović, F. Neubauer, M. K. Grubin, D. Krčma, J. Agbaba, B. Jovančićević: *Organic and inorganic geochemistry of Miocene sediments from the Lopare Basin (Bosnia and Herzegovina)*

M. Harzhauser, D. Theobalt, Ph. Strauss, O. Mandic, M. Kranner, W. E. Piller: *Seismic-based lower and middle Miocene stratigraphy in the northwestern Vienna Basin (Austria)*

Poster presentations:

Petro Gozhyk, Aida Andreeva-Grigorovich, Mikhailo Ivanik, Ninel Maslun, Natalia Zhabina, Volodymir Zosimovich, Irina Suprun, Svitlana Gnylko, Daniel. D. Waga: *Regional stages of the Paleogene and Neogene sedimentary formations of Ukraine: biostratigraphy and correlation*

GT3-1 Sedimentary petrology as a tool for understanding of the geological history of the Carpatho-Balkan region

Convenor: K. Górnjak

Oral presentations

K. Górnjak: *Upper Cretaceous variegated marl facies in the Outer Carpathians (Węglówka Marl): where does the marl fit in the Cretaceous Oceanic Red Beds event*

R. Anczewicz, M. Cieszkowski, M. Szczęch, A. Ślącza, A. Wolska: *A new approach to the problem of the ophiolite from Osielec – Magura Nappe, Outer Carpathians, Poland*

Poster presentations

Mirka Trajanova, Kristina Ivančić, Stjepan Ćorić: *The Slovenj Gradec Miocene basin: paleogeography and reflection on the Pohorje tectonic block unroofing*

Krzysztof Starzec, Jan Golonka, Anna Waškowska, Aleksandra Gawęda, Krzysztof Szopa: *Exotics of the Protocarpathians in the western area of the Silesian Nappe*

Martin Đaković, Stjepan Ćorić, Mileva Milić, Damjan Čadenović, Novo Radulović: *Middle Eocene Rastiš formation and Upper Eocene-Oligocene? Adriatic flysch formation in southern Montenegro (South Adriatic zone)*

Tamás Csibri: *Development of the Blatné Depression and its affect to the Lower/Middle Miocene coarse-grained sediments (Danube Basin, Slovakia)*

Marlena Yaneva: *Sand sediments from Neogene basins in SW Bulgaria*

Yordanka Donkova: *Characteristics of sediments of a fault scarp in the Northern border of Sofia basin, Western Bulgaria*

Máté Karlik, Ildikó Gyollai, József Fekete, Gábor Bozsó, Krisztián Fintor, Márta Polgári: *High-resolution sedimentology study of laminated lake sediment from East Carpathian Mountains*

Justyna Nowińska, Tomasz Toboła: *Strontium genesis in brownish salt rocks of the Wieliczka Salt Mine*

GT4-1 Magmatism in the Alpine-Carpathian-Balkan realm

Convenors:

Milan Kohut, Anca Dobrescu, Ioan Seghedi, Dejan Prelević, Kristina Šarić, Vladica Cvetković, Károly Németh and Réka Lukács & Fritz Finger

Oral presentations

I. Seghedi: *Volcanology, petrology and geodynamic aspects of the Miocene magmatism in the Apuseni Mountains – a review*

R. Lukács, R. Roetzel, S. Nehyba, F. Marković, K. Sant, M. Harzhauser, M. Guillong, O. Bachmann, I. Dunkl, F. Finger, K. Sebe, I.ó Soós, J. Szepesi, S. Harangi: *Towards the integrated paleotephra record of the large Miocene silicic volcanic eruptions of the Carpathian-Pannonian Region*

M. Kovacs, A. Fülöp, Z. Pécskay: *Uncommon, composite volcanic structures in the Gutâi Volcanic Zone (Eastern Carpathians, Romania). Implications for the petrogenetic model*

E. Akçaş, H. E. Çubukçu, L. Akin: *Interstitial Glass Bearing Pyroxenitic and Monzonitic Lithics: Possible magmatic origin of Gölcük Volcanism (Isparta-Turkey)*

A. Bačić, S. Borojević Šoštarić, M. Bernroider, F. Neubauer: *Magmatic rocks of the Dinaric evaporite mélange: evidence from the Adriatic carbonate platform*

P. Gál, R. Lukács, S. Józsa, I. Dunkl, N. Németh, S. Harangi: *Results of the petrographical, geochemical and geochronological reinvestigation of the Triassic metavolcanic rocks at Bükkszentlászló, Bükk Mts. (NE Hungary)*

C. Költringer, F. Neubauer, M. Bernroider, S. Cao: *Triassic magmatism, Cenozoic subduction and exhumation of the Sifnos subduction zone complex, Aegean Sea*

M. Szemerédi, R. Lukács, A. Varga, I. Seghedi, M. Tatu, I. Dunkl, E. Pál-Molnár, Sz. Harangi: *Permian volcanism in the Tisza Mega-unit: new petrographic, geochemical and geochronological results from Hungary and Romania*

S. Šuica, A. B. Woodland, V. Garašić: *Mineralogy and geochemistry of the A-type granites from the Eastern Croatia*

V. Cvetković, K. Šarić, S. Erić, B. Kostić, D. Jovanović, I. Peytcheva: *Petrology, geochemistry and U-Pb zircon ages of Variscan granitoids of the East Serbian Carpatho-Balkanides*

I. Broska, M. Kubiš, P. Uher: *Permian evolution and correlation of the specialised S-type granites in the Gemeric unit (Western Carpathians)*

A. Dobrescu: *Adakitic-like granitoids at west Getic basement of the South Carpathians - petrogenesis and thermotectonic events evidenced by zircon geochemistry*

I. Peytcheva, E. Tacheva, A. von Quadt, R. Nedialkov: *Age and Sr-Nd-Hf isotope characteristics of Petrochan and Mezdreya plutons in Western Balkan, Bulgaria: implications for their position in the Variscan orogen*

E. Tacheva, M. Tarassov, I. Peytcheva, E. Tarassova, A. von Quadt, R. Nedialkov: *Characteristic features of titanite, apatite, zircon magnetite and ilmenite during magma mingling and mixing in Petrochan Pluton, Western Balkan, Bulgaria*

M. Kohút: *The Cadomian granites within the Variscan basement of the Alpine units in the Western Carpathians*

Poster presentations

Peter Ivan, Štefan Méres, Dušan Plašienka: *Some constraints on final stage of the Meliata Ocean evolution as follow from study of the blueschist facies metamorphosed rocks of the Meliatic Superunit (inner Western Carpathians)*

Elena Tacheva, M. Tarassov, Irena Peytcheva, Evgenia Tarassova, Albrecht von Quadt, Rossen Nedialkov: *Characteristic features of titanite, apatite, zircon magnetite and ilmenite during magma mingling and mixing in Petrohan Pluton, Western Balkan, Bulgaria*

Irena Peytcheva, Elena Tacheva, Albrecht von Quadt, Rossen Nedialkov: *Age and Sr-Nd-Hf isotope characteristics of Petrochan and Mezdrea plutons in Western Balkan, Bulgaria: implications for their position in the Variscan orogen*

Waškowska Anna, Gawęda Aleksandra, Golonka Jan, Szopa Krzysztof, Chew David: *The Cadomian exotics in the Polish Outer Carpathian flysch*

Gjon Kaza, Kujtim Onuzi, Theodor Ntaflos, Ndoc Vukzaj, Tonin Deda, D. Gega: *Ophiolitic complex of Puka*

Zoltán Pécskay, Emő Márton, János Szepesi, Tibor Zelenka: *Integrated assesment of paleomagnetic, geochronological and volcanostratigraphical constraints from the Tokaj Mts, NE Hungary, Carpathian-Pannonian region*

Ioan Seghedi , Alexandru Szakács , Zoltán Pécskay , Viorel Mirea, Péter Luffi: *Debris avalanche deposits of the Călimani-Gurghiu-Harghita volcanic range (Eastern Transylvania, Romania)*

GT5-1 Tectonometamorphic processes in Alpine and pre-Alpine orogenic belts

Convenors: *Marian Janák, Mirijam Vrabec, Sha Wali Faryad & Dušan Plašienka*

Oral presentations

F. Neubauer, J. Genser, B. Heberer, X. Liu, G. Friedl, M. Bernroider, Y. Dong: *Pre-Alpine basement units in the southernmost Austroalpine domain: Significance for Alpine-Carpathian tectonics and paleogeography*

T. Berza, H. G. Kräutner: *Alpine nappe structure of the Danubian Window, South Carpathians*

M. K. Reiser, G. Săbău, E. Negulescu, R. Schuster, P. Tropper, B.d Fügenschuh: *Alpine, Permian and Variscan metamorphism in the Tisza and Dacia Mega-Units: Sm-Nd garnet and U-Th-Pb monazite dating in the Apuseni and Rodna Mountains (Romania)*

M. Vrabec, M. Janák, B. Ambrožič, V. Sasinková, K. Yoshida, N. R. Šmuc, S. Šturm: *Microstructural and crystallographic characteristics of diamond and moissanite from Pohorje UHP terrane, Eastern Alps, Slovenia*

M. Putiš, X.-H. Li, Q. Li, Y.-H. Yang, O. Nemeč, X.o Ling, F. Koller, D. Balen, P. Ružička: *Permian pyroxenite dykes in harzburgite associated with eclogites (Austroalpine Unit, Eastern Alps); origin and tectono-metamorphic evolution constrained by zircon U–Pb ages*

F. Şengün, T. Zack, G. Topuz: *Trace element characteristics of rutile and Zr-in-rutile thermometry of high-pressure metamorphic rocks from northwest Turkey*

M. Georgieva, T. Vladinova, Z.a Cherneva: *Kyanite-andalusite gneisses from Thracian lithotectonic unit (Parvenets complex), Bulgaria: refining the peak metamorphic conditions*

F. Hrouda, S. W. Faryad, M. Putis: *Magnetic fabric of serpentinized ultramafic rocks and its bearing on deciphering their tectonic history (examples from West Carpathians and Bohemian Massif)*

C.-M. Wu, Z. Li, H.Y.C. Wang, Q. W.L. Zhang, J.-H. Liu, M.-Y. Shi, V. T. Pham, H. C.G. Zhang, Q.-L. Li: *Clues of ultra-high pressure metamorphism of the Paleozoic Dunhuang Orogenic Belt, northwest China*

Poster presentations

Philip Machev: *Short-lived granulite facies overprint in rocks from the Malyovitsa lithotectonic unit (Western Rila Mts.), Bulgaria*

Lubomira Macheva, Irena Peytcheva, Albrecht von Quadt, Krastina Kolcheva, Elena Tacheva: *Eclogites from Biala-Reka-Kechros metamorphic dome, E Rhodopes (Bulgaria): petrological features and protolithic age*

Silvia Chavdarova, Philip Machev: *Geological position and features of amphibolites from Sakar Mountain, Bulgaria*

Igor Petřík, Marian Janák: *Monazite behaviour in the Ordovician metagranitoids of the Northern Veporic unit (Western Carpathians)*

Marian Janák, Nikolaus Froitzheim, Neven Georgiev, Kalin Naydenov, Igor Petřík: *UHP kyanite eclogites and monazite age data from the Ograzhden Unit in the Rhodope Metamorphic Complex (SW Bulgaria)*

Petyo Filipov, Nikolay Bonev, Raya Raicheva, Massimo Chiaradia, Robert Moritz: *Bracketing the timing of clastic metasediments and marbles from Pirin and Sakar Mts, Bulgaria: Implication of U-Pb geochronology of detrital zircon samples and $^{87}\text{Sr}/^{86}\text{Sr}$ of carbonate rocks*

Štefan Méres, Peter Ivan, Dušan Plašienka, Tomáš Potočný: *Genesis of two tourmaline and epidote generations from pelagic metasediments of the Bôrka Nappe (Meliatric Unit, Western Carpathians, Slovakia)*

Marián Putiš, Martin Danišik, Ľestmír Tomek, Peter Ružička: *Evolutionary model of the Infratatic Early Cretaceous–Eocene accretionary wedge in the Western Carpathians constrained by 40Ar–39Ar, ZFT and AFT ages*

Maciej Kania: *Microstructural analysis of the Western Tatra Mts. fault related crystalline rocks: size, shape and self-similarity of the grains*

Constantin Balica, Ioan Balintoni, Mara Campeanu, Tudor Berza: *Thermo-tectonic history of an Avalonian terrane revealed by zircon U-Pb LA-ICP-MS geochronology: Lainici-Păiuș terrane from the basement of the Lower Danubian Nappes, South Carpathians, Romania*

Marián Putiš, Martin Danišik, Ľestmír Tomek, Peter Ružička: *Evolution model of the Infratatic Early Cretaceous–Eocene accretionary wedge in the Western Carpathians constrained by ^{40}Ar – ^{39}Ar , ZFT and AFT ages*

Shah Wali Faryad, Ivan Dianiška: *Fingerprint of Pre-Alpine deformation fabrics and mineral textures in the basement rocks from the Gemer unit, Western Carpathians*

Emilia Mosonyi, Anna Jakab, Ferenc Kristály: *New mineralogical-chemical data on mylonitic schists from Rodna Mountains*

Concepción Lázaro, Idael F. Blanco-Quintero, Franz Neubauer, Joaquin A. Proenza, Yamirka Rojas-Agramonte, Antonio Garcia-Casco: *The initiation of subduction in the Caribbean realm: The La Tinta mélange, eastern Cuba*

GT6-1 Minerals – building blocks of rocks and man-made materials: Properties, stability, and alteration processes

Convenor: *Andreas Lüttge*

Oral Presentations:

C. Ionescu (Keynote Presentation): *Mineralogical insights into the composition and microstructure of ancient ceramics*

G. Grieco, M. Bussolesi, A. Eslami, R. Mastrapasqua: *Mineralogical and textural parameters affecting the production of refractory chromite sands: the Khajeh-Jamali enrichment plant, Southern Iran*

F. Şengün: *TitaniQ thermometer and trace element composition of rutile in metaophiolitic rocks from the Kazdağ Massif, Biga Peninsula, NW Turkey*

G. Beqiraj, L. Hadzic, E. Mamani: *Mineralogical study of historical mortar from Kikino House monument, Gjirokastër, Albania*

A. Lüttge: *New Insight on a Seasoned Topic: Crystal Dissolution Kinetics Revisited*

Poster Presentations:

Radostina Atanassova, Rossitsa Vassileva, Aleksey Benderev: *Aragonite-calcite relations from the Erma Reka geothermal water precipitates, South Bulgaria*

Rossitsa Vassileva, Irena Peytcheva, Valentin Grozdev: *Andradite-grossular garnets from skarn Pb-Zn deposits of Madan district, Central Rhodopes: mineralogy, geochemistry and potential as geochronometer*

Gadas Petr, Novák Milan, Vašinová Galiová Michaela, Szuszkiewicz Adam, Pieczka Adam, Haifler Jakub, Cempírek Jan: *Secondary beryl in cordierite/sekaninaite pseudomorphs from granitic pegmatites – an indicator of elevated content of beryllium and Mg/(Mg+Fe) ratio in the precursor*

Yana Tzvetanova, Mihail Tarassov, Valentin Ganev, Iskra Piroeva: *Mineralogical control of REE and trace element distribution in the skarns from Zvezdel-Pcheloyad ore deposit, Eastern Rhodopes, Bulgaria*

Athanasia Karetou, Michael Vavelidis, Katerina Giouri, Nikolaos Kantiranis, Lambrini Papadopoulou: *Mineralogical composition and grain size distribution in samples along Karvounoskala stream (NE Chalkidiki, Northern Greece)*

Heléna Walter, Elemér Pál-Molnár, Krisztián Fintor, Luca Kiri: *Fluid inclusions in post-magmatic diopsides of Jolotca ore field (Diträu Alkaline Massif)*

Alok Chaudhari, Joël Brugger, Andrew Friedrich, Rahul Ram, Barbara Etschmann: *Probing mineral forming processes in the Cu-Fe-S system – insights from laboratory in-situ and ex-situ hydrothermal experiments*

Mariola Marszałek, Karolina Bałaga: *Secondary minerals on buildings materials of different types*

GT7-1 Tethys-related tectonics in southern Eurasia

Convenors: *Yongjiang Liu, Bo Wan, Wenjiao Xiao, Fuyuan Wu & Franz Neubauer*

Oral presentations:

A. Kiliass: *The Hellenides, a complicated, multiphase Alpine orogenic belt. New aspects for the geotectonic evolution of the Hellenides: A review*

S. W. Faryad: *The Hindu Kush suture and its relation to Paleotethys and/or South Tian-Shan orogeny*

M. Marian, M. Tatu: *The Variscan suture in the Romanian Carpathians*

Y. Dong, S. Cao, F. Neubauer, J. Genser, M. Bernroider, H. Wang: *The emplacement depth of granitoid intrusions from the Gaol igong strike-slip shear zone: new insights from Al-in-hornblende barometry and U-Pb and ³⁹Ar-⁴⁰Ar geochronology*

Y. Liu, W. Li, Z. Feng, Q. Wen, F. Neubauer, J. Genser, C. Liang: *Paleozoic tectonics in the eastern part of Central Asian Orogenic Belt*

B. Liu, F. Neubauer, J. Liu, C. Liang: *Geological control of the eastern Great Wall: mountain-basin relationships in eastern North China Craton*

Poster presentations:

Shengyao Yu, Jianxin Zhang, Sanzhong Li, Yongjiang Liu : *Multistage anatexis during tectonic evolution from oceanic subduction to continental collision: A review of the North Qaidam UHP Belt, NW China*

Bo Hui, Yunpeng Dong, Franz Neubauer, Feifei Zhang, Shengsi Su, Xiaoming Liu, Chao Cheng, Dengfeng He: *Geochronology and geochemistry for the Neoproterozoic-Paleoproterozoic Yudongzi complex, northwestern margin of the Yangtze Block, China*

Jianhua Li, Shuwen Dong, Guochun Zhao, Yueqiao Zhang, Stephen T. Johnston: *Early Paleozoic crustal shortening and transpressional deformation in central South China*

GT7-3 Orogenic processes in the Alpine-Balkan-Carpathian-Dinaric orogen: The relationship between tectonics and basin formation

Convenors: *Liviu Matenco, Marinko Toljic & Franz Neubauer*

Oral Presentations:

I. Vlahović, I. Velić, B. Tomljenović, B. Matoš, P. Enos: *Massive Cenozoic carbonate breccia in the Karst Dinarides of Croatia*

B. Tomljenović, Ph. Balling, B. Matoš, I. Vlahović, S. Schmid, K. Ustaszewski, L. Blažok, D. Posarić, A. Širol: *Structural architecture and tectonic evolution of the Mt. Velebit in the central part of the External Dinarides in Croatia*

Ph. Balling, B. Tomljenović, K. Ustaszewski: *The tectonic setting of the Promina Beds – A flexural foreland basin induced by a contrasting style of along strike deformation in the External Dinarides*

A. A. Anczkiewicz, J. Środoń, I. Dunkl, I. Vlahović, I. Velić, B. Tomljenović, T. Kawiak, M. Banaś, H. von Eynatten: *Thermal history and exhumation of the central part of the Karst Dinarides, Croatia*

D. Prelević, J. Köpping, M. Peternell: *Cretaceous tectonic evolution of the Sava Zone as seen from the Klepa Massif - Macedonia (FYROM) - A combined geochemical and paleo stress study*

H. Kulići, V. Doda, V. Gjoni, S. Hamiti, N. Vukzaj: *Some feature of the Mirdita zone relations with the other zones of the Albanides*

B. Heberer, I. Dunkl, F. Neubauer, S. Schulz, H. von Eynatten: *Effects of partial reset on zircon (U-Th)/He data: the case of the Drau Range, Eastern Alps and adjacent Southern Alps*

O. Stauber, F. Neubauer, M. Bernroider, S. Cao, J. Genser, M. Musso, D. Reiff: *The Gurktal tectonic conundrum of Eastern Alps revisited: thrusting vs. normal faulting*

D. Plašienka: *Development and provenance of the Meliatic subduction/accretion mélanges (Western Carpathians, Slovakia) – a tentative model*

Z. Németh: *Geodynamic background of the origin of Variscan and Paleo-Alpine metamorphic core complexes in the Western Carpathians and their metallogenetic importance*

K. Starzec, W. Schnabel: *Application of high-resolution, LiDAR based DEM for identifying tectonic features, case studies from the Polish Outer Carpathians.*

S. Cao, F. Neubauer, M. Bernroider, J. Genser: *Eocene high-pressure metamorphism to Miocene retrogression on metamorphic core complex: Naxos, Cyclades, Greece*

H. Fritz, A. Wölfler, F. Neubauer: *Exhumation velocities and topography of the Eastern Alps derived from low-temperature thermochronology*

O. Pelech, M. Olšavský, J. Hók: *Backthrusting in West part of Western Carpathians: Timing and possible causes*

G. Trost, F. Neubauer, J. Robl: *The drainage development of the Tauern window (Eastern Alps): a strike-slip dominated metamorphic core complex overprinted by indentation*

A. Mladenović, M. Antić, M. Mandić: *Recent fault kinematics along the Getic Unit of the East Serbian Carpatho-Balkanides*

R. Aksoy: *Extensional neotectonic regime through the W-SW edge of the Konya graben, Central Anatolia, Turkey*

L. Matenco and colleagues: *On the mechanisms driving the coupled evolution of mountains and sedimentary basins in the Carpathians – Dinarides system*

Posters:

Marinko Toljić, Bojan Glavaš-Trbić, Uroš Stojadinović, Liviu Matenco, Nemanja Krstekanić: *Stratigraphic and tectonic setting of Upper Cretaceous sediments and magmatites in Belgrade area (Central Serbia)*

Nemanja Krstekanić, Miljan Barjaktarović, Daan Tamminga, Liviu Matenco, Marinko Toljić, Uros Stojadinovic: *Strike-slip deformation in an oroclinal bending: preliminary results on the geometry and kinematics of the southern segment of the Cerna fault (southwestern Romania and eastern Serbia)*

Eleonora Balkanska, Dian Vangelov, Stoyan Georgiev: *Post-magmatic (ore) transpressive deformation controlling the closure of the Late Cretaceous basin evolution – a case study from the Panagyurishte strip, Central Srednogorie Zone, Bulgaria*

Balázs Musitz, Ildikó Selmeczi, Gábor Markos, László Bereczki, Ferenc Horváth: *Tectonics and sedimentation during juxtaposition of ALCAPA and Tisza micro-continental blocks along the Kapos Line (Mid-Hungarian fault zone)*

Franz Neubauer, Johann Genser, Oliver Stauber: *The Permomesozoic Stangalm Group and its correlatives in the Gurktal nappe complex: significance for paleogeography and tectonics of the Eastern Alps*

Julian Kessler, Franz Neubauer: *Jurassic to Eocene tectonic history of the Untersberg region within the Northern Calcareous Alps: on terrestrial erosional phases, basin formation and destruction*

Alexandros Chatzipetros, Ilias Lazos, Spyros Pavlides, Christos Pikridas, Stylianos Bitharis: *Determination of the active tectonic regime of Thessaly, Greece: A geodetic data based approach*

Christoph Grützner: *Active faulting in NE Italy and NW Slovenia – insights from field studies, geophysics, and high-resolution DEMs*

GT8-1 Quantifying landscape evolution during the Plio- and Pleistocene

Convenors: *Zsófia Ruszkiczay-Rüdiger, Agnieszka Gałuszka, Corina Ionescu, Andreas Lang, Jan Christoph Otto, Jörg Robl, Bernhard Salcher & Michael Wagreich*

Oral presentations:

M. Šujan, R. Braucher, D.r Bourlès, M.I Kováč, ASTER Team: *Cosmogenic nuclide dating of "sticky stuff" deposition: Principles and applications of the authigenic $^{10}\text{Be}/^9\text{Be}$ dating in comparison with well-established geochronological methods*

Ch. Költringer, T. Stevens, S. Yarovaya, B. Almqvist, R. Kurbanov, B. Bradák, I. Snowball: *Origin and formation of loess in the Lower Volga region of Russia: A multi-method approach*

A. Banak, D. Ivanišević, K. Bakrač, A. Grizelj, L. Wacha: *Pleistocene aeolian, alluvial and glacio-fluvial sediments in the northern part of the eastern Adriatic coast, Croatia*

M. Ticleanu, R. Nicolescu, O. Coltoi, F.i Culescu: *The Upper Pleistocene lacustrine shores in the Romanian Plain (Dacian Basin)*

C. N. Waters, M. Wagreich, J. Zalasiewicz, Anthropocene Working Group: *Candidates for Global Boundary Stratotype Section and Point (GSSP) for an Anthropocene chronostratigraphic unit*

Poster presentations:

Jörg Robl, Sebastian Baumann, Günther Prasicek, Bernhard Salcher, Melanie Keil: *Lithology or base level? - What controls the evolution of different landscapes in the northern Alpine Foreland?*

Jerzy Zasadni, Piotr Kłapyta, Andrzej Świąder: *Predominant western moisture transport to the Tatra Mountains during the Last Glacial Maximum inferred from glacier palaeo-ELAs*

Piotr Kałuża, Jerzy Zasadni, Piotr Kłapyta: *Tracing the extent of the Most Extensive Glaciation in the Tatra Mountains, Western Carpathians*

Melanie Keil, Franz Neubauer: *Releasing bends along the Salzach-Enns-Mariazell-Puchberg (SEMP) fault (Upper Enns Valley, Austria)*

Zsófia Ruszkiczay-Rüdiger, Balázs Madarász, Zoltán Kern, Petru Urdea, Régis Braucher, ASTER Team: *Glacier reconstruction, deglaciation chronology and paleo-environment reconstruction, Retezat Mountains, Southern Carpathians, Romania*

Slavomír Nehyba, Nela Doláková, Jan Petřík, Marie Dvořáková: *Origin of the Pleistocene/Holocene dunes in the floodplain of the Dyje river (South Moravia, Czech Republic)*

Konstantin Kostov, Marlena Yaneva, Ralitsa Konyovska: *Morphology and sediments of Mishin Kamik Cave, NW Bulgaria*

Maria Meszar, Kira Lappé, Katrin Hornek, Michael Wagreich: *Anthropogenic deposits in Vienna*

David Kuparadze, Dimitri Pataridze: *Catastrophic landslide in Tbilisi (Georgia, Caucasus) and the way of its engineering solution aftermath*

Aycan Kalender, Harun Sönmez, İnan Ulusoy: *Determination of Positions and Dimensions of the Fallen Blocks in Kargabedir Rockfall Area Using "Multi-View Stereo-Photogrammetry" Method*

Stephanie Neuhuber, Lukas Plan, Susanne Gier, Fabian Bodenlenz, Markus Fiebig: *Burial dating of cave sediments reveal uplift/incision at the Carpathian-Alpine border (Hainburg Hills)*

Marc Andre Rapp: *Protecting infrastructure from landslides and mudflows in Disaster Control Operations in Styria, Austria*

GT9 Geophysics and Seismology

Convener: *Franz Neubauer*

Oral presentations

F. Šumanovac, J. Orešković, S. Kolar: *Geological significance of the Dinaridic fast velocity anomaly on the basis of the seismic modelling*

J. Orešković, F. Šumanovac, S. Kolar: *Crustal structure and Moho depth in the area of Dinarides and SW Pannonian basin*

B. Czeglédi: *Case study: Horizontal Loop Electromagnetic (HLEM) survey in the vicinity of Bátaapáti, Hungary*

Stanciu I.-M., I. Dumitru: *The Intramoesian Fault: tectonic contact at crustal and lithospheric depths*

I. Bozsó, L. Bányai, E. Szűcs, V. Wesztergom: *An attempt to apply space-borne monitoring of recent tectonics in the Southern Carpathians*

L. Asimopolos, N.-S. Asimopolos: *Organizing and multi-criteria's analysis of database from Surlari Geomagnetic Observatory*

R. Ormeni, R. Bozo, O. Gjuzi: *Regional macroseismic field of May 24, 2017, Bulqiza earthquake in Albania*

R. Bozo, R. Ormeni, O. Gjuzi: *Some main aspects of seismic activity during 2017 year*

Posters:

Kai Raps, Franz Neubauer, Bernhard Salcher: *The subsurface structure of the Osterhorn Mountains: How to create a large-scale flat-lying nappe complex in a mountain belt*

Laurentiu Asimopolos, Natalia-Silvia Asimopolos: *Trend evaluation of magnetic anomalies from Assarel copper mine*

Lenka Šamajová, Jozef Hók, Miroslav Bielik: *The density of lithostratigraphic formations of the Western Carpathians tectonic units (Slovakia case study)*

Natalia-Silvia Asimopolos, Laurentiu Asimopolos: *Comparative analyses of data recorded in different planetary geomagnetic observatory*

Laurentiu Asimopolos, Natalia-Silvia Asimopolos: *Organizing and multi-criteria's analysis of database from Surlari Geomagnetic Observatory*

Stephanie Neuhuber, Lukas Plan, Susanne Gier, Fabian Bodenlenz, Markus Fiebig: *Burial dating of cave sediments reveal uplift/incision at the Carpathian-Alpine border (Hainburg Hills)*

Thomas Pollhammer, Bernhard Salcher, Florian Kober, Gaudenz Deplazes. *Early to middle Pleistocene glaciofluvial terraces along the North Alpine Foreland: What do they tell us about glacial and mountain range dynamics?*

GT10-1 Mineral Deposits in the ABCD Region

Convenors: *Johann G. Raith & Frank Melcher*

Oral presentations:

F. Ebner, H. Mali, M. Ovissi, M. Ghorbani, D. Hippler, M. Dietzel: *The Poldasht magnesite (W Azerbaijan, NW Iran) – a new type of magnesite deposit*

M. Bussolesi, G. Grieco, E. Tzamos: *Olivine-spinel re-equilibration in chromitites from the Alpine-Dinaride region*

A. Ćina: *Metallogenic features of chromitite mineralization related to ophiolitic assemblages, Western Balkan*

N. Aleksić, A. Kostić: *Trace elements of the Aleksinac oil shale, Serbia*

A. Hantsche, K. Kouzmanov, A. Dini, R. Vassileva: *Prograde geochemical characteristics of the Pb-Zn distal skarns in the Madan ore field, Bulgaria*

J. G. Raith, A. Ordosch, St. Schmidt, K. Aupers: *Stanniferous W-(Sn) skarn mineralisation near to Felbertal tungsten mine, Tauern Window, Eastern Alps*

Poster presentations

Vladimir Simić, Tamara Đorđević, Milica Milisavljević, Jelena Bradić: *Exploration of lithium and borates in the area of the Valjevo - Mionica basin (Serbia)*

Evangelos Tzamos, Giovanni Grieco, Micol Bussolesi, Argyrios Papadopoulos, Emmanouil Daftsis, Dimitrios Dimitriadis, Athanasios Godelitsas: *Mineral chemistry of sulphides from the produced concentrates of the Olympias-Stratoni mines (Chalkidiki, Greece)*

Cioacă Mihaela-Elena, Ivanov Desislav, Iorga-Pavel Adina, Stoilov Ventsislav, Milu Viorica, Barbu Oana, Bîrgăoanu Daniel, Costin Gelu, Edward P. Lynch, Karin Högdahl, Munteanu Marian: *Au-Ag-Bi mineralization at the Assarel porphyry copper deposit (Srednogorie metallogenic zone, Bulgaria)*

Nenko Temelakiev, Strashimir Strashimirov, Stefka Pristavova: *Geology and ore mineralization at Babyak deposit, Western Rhodope (Bulgaria)*

Viorica Milu: *Hydrothermal alteration assemblages and patterns in porphyry copper systems in Romania*

Magdalena Sitarz, Bożena Gołębiowska, Dimitrina Dimitrova: *Trace elements in tetrahedrite from Polish Tatra Mountains (Tatric Unit, Western Carpathians) - results of EMPA and LA-ICP-MS analysis*

Norbert Németh, Ferenc Kristály, Csilla Balassa: *Mineralogical analysis of REE-Zr-Nb mineralized rocks in the Bükk Mts, NE Hungary*

Christos L. Stergiou, Ilias Lazos, Vasilios Melfos, Alexandros Chatzipetros, Panagiotis Voudouris, Christos Pikridas, Stylianos Bitharis: *Links between the neotectonic regime and the Tertiary mineralization of the Vertiskos and Kerdylion Units, N. Greece*

Holger Paulick, Tanja Knoll, Ralf Schuster, Benjamin Huet, Heinrich Mali: *Spodumene pegmatites, pegmatites and leucogranites from the Austroalpine Unit (Eastern Alps)*

GT10-2 From subduction to post-collision: tectonics, magmatism and ore deposit controls along the Anatolian-Caucasian-Iranian segment of the Tethys belt

Convenors: *Hervé Rezeau, Marc Hässig & Robert Moritz*

Oral presentations:

R. Moritz: *Subduction-related to post-collision porphyry and epithermal systems: Lessons from the SE European-Anatolian-Caucasian segment of the Tethys belt*

M. Hässig, R. Moritz, A. Ulianov, N. Popkhadze, G. Galoyan, O. Enukidze: *Mesozoic to Early Cenozoic evolution of the Somkheto-Karabagh and Pontides Arcs: a regional study across Armenia, Georgia and Anatolia*

M. Grosjean, R. Moritz, R. Melkonyan, S. Hovakimyan, A. Ulianov, H. Rezeau: *Link between Cenozoic magmatism and porphyry-epithermal systems in the Lesser Caucasus, Armenia: new temporal and geochemical constraints*

N. Popkhadze, J. Royall, S. Cleghor, J. Neman, R. Hampton, J. Davies, K. Khmaladze, L. Gelashvili, T. Tedliashvili, R. Moritz: *Lithological control and facies architecture of the Late Cretaceous Kvemo Bolnisi Cu-Au prospect, Bolnisi mining district, Lesser Caucasus, Georgia*

L. Atayan, G. Galoyan, R. Melkonyan, S.-L. Chung, Y.-H. Lee, R. Khorenyan, S. Amiraghyan: *Jurassic magmatic evolution of the Somkheto-Karabagh tectonic zone, Lesser Caucasus*

F. Rabayrol, C. J.R. Hart: *Syn-Collisional Porphyry and Epithermal Deposits along the Eastern Anatolian Magmatic Belt, Turkey*

S. Adamia, N. Sadradze, T. Beridze, K. Khmaladze, I. Javakhishvili: *Tectonics, magmatic and metallogenic evolution of Georgia and adjacent areas*

K. Akimidze, A. Okrostsvaridze, N. Gagnidze, S.-L. Chung: *Magmatism and Ore Occurrences of the Kakheti and Tusheti regions, Greater Caucasus, Georgia*

S. Hovakimyan, R. Moritz, R. Tayan, R. Melkonyan, M. Grosjean, H. Rezeau: *Structural control of the Cenozoic porphyry and epithermal deposits during Tethyan subduction to post-collision evolution of the Lesser Caucasus*

A. Okrostsvaridze, S.-L. Chung, Y.-H. Chang, N. Gagnidze, D. Bluashvili: *Analysis of Magmatic Processes of the Paleogenic Adjara-Trialeti Fold-Rift Zone, Lesser Caucasus: Implication for the Zircons U-Pb Geochronology*

Poster presentation:

Giovanni Grieco, Alireza Eslami, Micol Bussolesi, Andrea Gentile, Alessandro Cavallo, Dongyang Lian, Jingsui Yang: *Distribution pattern of PGEs and PGMs in chromitites from Abdasht and Soghan mafic-ultramafic complexes (Haji Abad-Esfandagheh district, Southern Iran)*

Irakli Skhirtladze, Avtandil Okrostsvaridze: *Volcano-stratigraphic analysis of the Goderdzi volcanic formation: a caldera in a Georgia-Turkey border area*

Salome Gogoladze, Avtandil Okrostsvaridze, Sun-Lin Chung: *Petrology and Zircon U-Pb Dating of the Vakijvari Ore-Bearing Pluton, Lesser Caucasus, Georgia*

GT10-4 Geochronology, whole rock and mineral chemistry as assessment tools for magma fertility and ore formation in magmatic-hydrothermal systems

Convenors: *Kalin Kouzmanov, Albrecht von Quadt, Irena Peytcheva & Istvan Marton*

Oral presentations:

T. Baker (Invited Keynote): *Factors Influencing the Au-Cu Endowment and Deposit Diversity in the Cenozoic West Tethyan Magmatic Belt, SE Europe*

D. Klimentyeva, Ch. Heinrich, A. von Quadt: *Geochemistry of massive sulfide orebodies at Bor (Serbia)*

I. Peytcheva, Albrecht von Quadt, Marco Loretz, Stoyan Georgiev, Raya Raicheva, Elitsa Stefanova, Alexandre Kounov, Yanko Gerdjikov, Peter Marchev, Marcel Guillong: *The oldest northern magmatic-hydrothermal systems in the Late Cretaceous Srednogorie zone of Bulgaria: scales of processes and magma fertility*

St. Georgiev, I. Peytcheva, E. Stefanova, A. Hikov: *Petrology and geochronology of pre- to post-ore igneous rocks from Asarel porphyry copper deposit, Central Srednogorie, Bulgaria*

A. Hikov: *Geochemical indicators for discrimination of hydrothermal alterations associated with epithermal and porphyry deposits*

A. von Quadt, J. Hörler, R. Burkhardt, I. Peytcheva, T. Baker: *The Karavansalija ore center (KMC) in SW Serbia (SE Europe): 1.7 Ma magma evolution, skarn formation and about 140 Ka timespan of economic ore mineralization*

A. Lovász, G. B. Kiss, G. Czuppon, Zs. Benkó: *Genetic study of gabbro hosted copper mineralisations in the Albanian Mirdita Zone*

M. Munteanu, M.-E. Cioacă, G. Costin, A. Iorga-Pavel: *Investigation of the platinum group elements contents in some mafic and ultramafic rocks from the Romanian Carpathians*

L. Müller, A. von Quadt, I. Peytcheva, R. Ruff, S. Halga: *Geochronology and geochemistry of zircons from the Rovina Valley Project and the Stanija Prospect - Apuseni Mountains (Romania): constraints from LA-ICPMS/TIMS dating, trace and REE geochemistry of zircons and whole rock studies*

M. Brunner, L. Müller, A. von Quadt, I. Peytcheva, S. Halga, R. Ruff, C. Tams, P. Ivășcanu: *New geodynamic model of the Miocene magmatism of the Apuseni Mountains (Romania): constraints from LA-ICPMS/TIMS dating, trace and REE geochemistry of zircons and whole rock studies*

L. Logan, A. von Quadt, I. Peytcheva, Th. Driesner: *New U-Pb LA-ICP-MS and ID-TIMS zircon dates for Erdenet Porphyry Cu-Mo deposit and constraining its relation to the Tsagaan Chuluut lithocap in Northern Mongolia*

T. Berza, A. Seghedi: *The pre-Mesozoic basement of the Danubian Nappes, South Carpathians, revisited*

Poster presentation:

Manuel Brunner, Lukas Müller, Albrecht von Quadt, Irena Peytcheva, Calin Tamas, Paul Ivășcanu: *U/Pb zircon dating of Miocene magmatism in the Apuseni Mountains (Romania) and time relationship of intrusive events at the Certej Deposit*

Valentin Grozdev, Irena Peytcheva, Rossitsa Vassileva: *Zircon morphology, composition and age dating as prospector of the fertile magmatism in the Paleogene Ruen zone, Bulgaria*

Milen Stavrev, Atanas Hikov, Ireana Peytcheva, Elitsa Stefanova: *Geochemical features of the magmatic-hydrothermal system near village of Babyak, Western Rhodopes (Bulgaria): links between the hydrothermal alterations and related ore mineralization.*

GT11 Energy Ressources (Hydrocarbon, Geothermy)

GT11-1 Petroleum systems and hydrocarbon exploration in the Carpathian-Balkan region

Convenors: *Reinhard Sachsenhofer & Gabor Tari*

Oral presentations

J. Golonka, A. Waskowska, K. Starzec, G. Machowski, M. Stefaniuk, K. Pietsch, P. Marzec: *Polish Carpathians south of Kraków: geology and unconventional hydrocarbons potential*

P. Poprawa, G. Machowski, A. Maksym, B. Papiernik, P. Kosakowski: *Unconventional petroleum systems of the Polish Outer Carpathians and their Miocene Foredeep Basin*

A. Vranjković, L. Cota, A. Majstorović Bušić, J. Dadić, D. Parlov, B. Nagl, A. Pleša, T. Troškot-Čorbić, N. Sabol, I. Vlahov, Ž. Habijanec: *Unconventional geological play concept of southwestern part of Neogene Pannonian basin (Croatia)*

V. Lemberkovics, E. K. Pável, B. Badics, K. Lőrincz: *Petroleum system analysis of small scale Miocene troughs in the Pannonian Basin, results of a 3D basin modeling case study from Southern Hungary*

J. Francu, M. Pereszlényi, O. Krejčí, L. Jurenka, R. Prochac, P. Kyselak, V. Hladik: *LBr-1 structure for pilot CCS in the Vienna basin: lithological and tectonic 3D model*

G. Georgiev, E. Marinovska, J. Stefanova, A. Ilieva: *Development of Early-Middle Jurassic hydrocarbon bearing basins in western part of Northern Bulgaria*

G. Tari, M. Simmons: *Deepwater petroleum play types of the Black Sea*

P. Csicsák, B. Márton, O. Sztanó: *Shelf collapse, tilting and hydrocarbon trap formation on deltaic to slope deposits (Újfalu and Algyő Formations), Battonya-high, Late Miocene Pannonian Basin*

D. Misch, D. Gross, R. F. Sachsenhofer, A. Bechtel, R. Gratzner: *Conventional and unconventional petroleum systems in the Ukrainian Dniepr-Donets-Basin: A comprehensive source rock study*

B. S. Nabawy: *Reservoir Quality Assessment for Hydrocarbon-bearing rocks using MICP Tests*

Poster presentations:

Filip Anđelković, Dejan Radivojević: *Rift Sequence Stratigraphy and its contribution to source rock understanding - Serbian part of Pannonian Basin*

Viktor Lemberkovics: *An alternative technique to determine source layers without direct geochemical measurements – case study from the Pannonian Basin, southern Hungary*

Lujza Medvecká, Eva Geršlová, Slavomír Nehyba, Magdalena Misz-Kennan: *Thermal maturity of Miocene organic matter from the Carpathian Foredeep in the Czech Republic*

Petr Jirman, Eva Geršlová, Miroslav Bubík: *Source rock potential, geochemical characteristic and thermal maturity of the Oligocene Menilite Formation within the Loučka outcrop (Silesian Unit, Czech Republic)*

Piro Dorre, Agim Mesonjesi: *Tectonic setting and hydrocarbon potential of the Albanides fold-and-thrust belts*

Paweł Poprawa, Bogdan Popescu, Gabor Tari: *The Lower Paleozoic oil/gas shale plays in the Central Europe*

Petr Jirman, Eva Geršlová: *Source Rock Potential and Thermal Maturity of the Oligocene Šitbořice Member (Menilite Formation) in the Ždánice Unit (Czech Republic)*

Igor D. Bagriy, Maria O. Naumenko, Ninel V. Maslun, Uliana Z. Naumenko, Sergiy D. Aks'om: *A new technology for oil and gas exploration and the evaluation of productive zones in Ukraine.*

Konstantin Meshcheriakov, Olga Meshcheriakova: *Hydrocarbon generative - accumulative system of deep-seated sediments of the north of Western Siberia*

GT12 Hydrogeology and Natural Hazards

Convenors: *Zoran Stevanovic, Xhume Kumanova, Jörg Robl*

Oral presentations

Z. Stevanovic: *Karst aquifers of Southeast Europe -The greatest water resource for potable water supply*

X. Kumanova, I. G. Bergstrom, M. von Bahr, A. Gelaj, G.Jacks: *Hydrochemistry and isotopes in risk assessment for coastal aquifers in Albania*

V. Marinovic, B. Petrovic: *Hydraulic mechanism of discharge of Seljašnica karst spring (SW Serbia)*

I. Esam, A. H. Mohamed, A. Manal: *Using Hydrogeological and Geophysical Studies to Evaluate the Groundwater Potentiality at Beni-Suef District, Egypt*

D. Krčmar, N. Grba, V. Pešić, J. Tričković, S. Maletić, M. Dubovina, B. Dalmacija: *Geochemical long-term monitoring of heavy metals and arsenic in sediments from the Pannonian Basin in the Province of Vojvodina (northern Serbia)*

Poster presentations

Ramona Bălc, Carmen Roba, Mircea Moldovan, Lidia Vasilian: *Quality assessment of mineral and underground water from an old spa resort from Romania (Sângeorz-Băi locality)*

Aleksey Benderev, Rositsa Gorova, Evelina Damyanova, Simeon Valchev: *Quality of karst waters in Bulgaria - condition and problems*

Sabina Cenameri, Mario Mussi, Arjan Beqiraj, Maurizio Catania: *Geochemical and Isotopic Evidence of Sea Water Intrusion in the Fushe Kuqe (Northwestern Albania) Confined Aquifer*

Murman Kvinikadze, David Kuparadze, Violeta Kirakosyan, Dimitri Pataridze: *Geo-ecology of magisterial pipeline corridors (for example, the Kazbegi-Red Bridge section, Caucasus)*

GT15 Cultural geology: Composition, technology and provenance of archaeological artifacts

Convenors: *Corina Ionescu, Bernadett Bajnóczi, Antonín Přichysta, & Hisahshi Suzuki*

Oral presentations

A. Přichystal: *Mica schists – principal raw materials for early medieval Slavic rotary querns in Moravia and Silesia (Czech Republic)*

K. Šarić, S. Erić, D. Antonović, V. Cvetković, J. Šarić: *Mineralogical and petrological characteristics of igneous rocks used for making polished stone tools from the Eneolithic archaeological site Masinske Njive (Serbia)*

- M. Rey-Solé, X. Mangado, M. P. Garcia-Argüelles, D. Román, F.n Colombo, A. Scherstén, T. Næraa:** *Archaeopetrological studies nowadays: knowing the provenance of lithic tools by applying multidisciplinary analysis, from mineralogy to geochemistry*
- K. Trnová, P. Gadas, L. Veverka, A. Přichystal, J. Bartík:** *Petrography and mineralogy of metabasite-artefacts from the Neolithic settlement at Brno-Holásky and comparison with rocks from source region near Želešice, South Moravian Region, Czech Republic*
- M. Kohút, Pavel Bačo:** *Provenance of the Carpathian obsidians – View of geologist*
- H. Suzuki:** *Culture geology – Salzburg to Japan*
- V. Mozgai, B. Bajnóczy, Z. May, E. Pernicka, I. Fórizs, Zs. Mráv, M. Dági, M. Tóth:** *The use of handheld XRF and LA-QICP-MS in the analysis of the late Roman Seuso Treasure – implications on composition, provenance and technology*
- B. Borgers, C. Ionescu, S. Willems, R. Clotuche:** *Understanding Roman potters' technology at Fanum Martis, Northern France, using a compositional approach*
- C. Ionescu, V. Hoeck, Á. Gál, L. Barbu-Tudoran, M. Bajusz:** *Fe-gehlenite formation in ancient ceramics: A firing or a primary composition indicator?*
- B. Bajnóczy, M. Szabó, K. Fintor, A. Korom:** *Chemical composition and colourants of Early Sarmatian mosaic (millefiori) face and checker beads found at Dunakeszi (Hungary)*
- A. Szakács, Ágnes Gál, Corina Ionescu:** *World-class mineral type localities in Romania*
- Eugenia Tarassova, Zhivka Janakieva, Mihail Tarassov:** *Speleothems stored in the "Earth and Man" National Museum, Sofia, Bulgaria*
- A. Ahmad:** *The study of the effects of temperature changes on archaeological marble from Jordan*

Poster presentations

- János Szepesi, Péter Rózsa, Zsuzsanna Ésik Zoltán Pécskay, Szabolcs Harangi:** *Geoconservation significance of natural building stones in a cultural landscape, a case study of rhyolite tuff, Tokaj Wine Region UNESCO World Heritage Site*
- Delia Cristina Papp, Viorica Milu, Ioan Cociuba:** *Prospects of the use of volcanic geosites from the Carpathian areas of Romania for informal geological education and awareness*
- Á. Gál, M. Benea, L. Silye:** *The emblematical stone monuments of Cluj-Napoca, Romania*
- Eugenia Moraiti:** *Lavrion: one great territory with unique geoheritage as a prospective geopark*
- İsmail İnce, Mustafa Korkanç, Ali Bozdağ, M. Bahadır Tosunlar, M. Ergün Hatır, Osman Doğanay:** *Determination of weathering in Pharax rock tombs (Karaman, Turkey) by non-destructive test methods (NDT)*
- Mar Rey-Solé, Xavier Mangado, Dídac Román, Maria Pilar Garcia-Argüelles:** *Differential use of flint varieties in prehistoric lithic industry: A case study*
- Alexandra Enea-Giurgiu, Corina Ionescu, Volker Hoeck, Tudor Tămaş, Cristian Roman:** *Eneolithic pottery from Southern Carpathians (Romania): An archaeometric study*
- Ágnes Gál, Corina Ionescu, Malvinka Urák, Volker Hoeck, Kristina Šarić:** *Microstructural and compositional study of Late Iron Age (La Tène) pottery from the Mureş Valley (Transylvania, Romania)*
- Florica Măţău, Corina Ionescu, Volker Hoeck, Lucian Barbu-Tudoran, Ştefan Honcu, Alexandru Stancu:** *Composition and microstructure of Late Roman-Early Byzantine pottery from (L)Ibida (Dobrudja, Romania)*
- Enkeleida Goga Beqiraj, Corina Ionescu, Volker Hoeck, Marian A. Gasinski, Belisa Muka:** *Microfossils in ancient ceramics: tracing the firing temperature and the raw materials*

Dorottya Györkös, Bernadett Bajnócz, György Szakmány, Emese Balogh-László, Máté Szabó, Mária Tóth: *What glazes can add to the production technology studies? A case study on the medieval "Besztercebánya/Banská Bystrica" stove tiles*

Cristian Moldovan, Corina Ionescu, Ovidiu Țentea, Kristina Šarić: *Using SEM-EDS for unveiling technology and provenance of Roman bricks and tiles in SE Romania*

GT17 Open Session

Convenor: *Bernhard Salcher*

Oral presentations

M. Bubík: *Two decades of restored detail geological survey 1:25 000 in Moravian Carpathians (Czech Republic)*

R. Muci, O. Fociro: *Effects of cement and fly ash on engineering properties of clayey soil*

O. Fociro, Redi Muçi: *An algorithm based on particle swarm optimization for determining grain size from digital images of sediment*

H. Preshlenov: *(Re)used building materials as economic and cultural indicators along the Southwestern Black Sea area in Late Antiquity and beyond*

T. Steiner: *Rocklogger – can a smartphone replace a geological compass?*

V. Šaraba, S. Popović: *Carbonate biomineralization at the points of emergence of selected mineral waters in Serbia*

V. Simić, I. Delić, N.a Andrić, F. Abramović, Z. Miladinović, D. Životić: *The need for sustainable supply mix of aggregates in the City of Belgrade (Serbia)*

Poster presentations

Lili Szabó, Marianna Ringer, Zoltán Szalai, József Fekete, Attila Kondor, Tibor Filep: *Adsorption behaviour of 17 α -ethynylestradiol in hydromorphic soils*

Julia Märtin, Hans Steyrer: *Brittle fault analysis in the Greywacke Zone (Iglsbach-, Sperl- and Fuxgraben/Salzburg/Austria) and associated deformation of overlaying Quaternary sediments*

Kujtim Onuzi, Rrapo Ormeni, Gjon Kaza: *Analysis of the geological-seismological data in the region included in the geological map 150 000 sheet 54 – Saranda*

Kristina Šarić, Corina Ionescu: *The CEEPUS network "Earth-Science Studies in Central and South-Eastern Europe" – nineteen years of challenges and success*

El Hadj Youcef Brahim, Mohamed Chadi, Rami Djeflal: *Diagenesis and Stadiol Analysis of Jurassic Dolomite, Case Study : South-setifian Shelf (NE Algerian)*

Rami Djefla, Abdelwahab Yahiaoui, El Hadj Youcef Brahim, Mohamed Chadi: *Lithostratigraphic and sedimentological studies of the lower Senonian series of the Belezma Batna mountains southern flank (NE Algeria)*