



## INTERNATIONAL GEOSCIENCE PROGRAMME (IGCP)

Geosciences in the Service of Society

Bulgarian National IGCP Committee

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### ANNUAL REPORT

IGCP activities in Bulgaria in 2014

### BULGARIAN NATIONAL IGCP COMMITTEE

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#### **Members:**

Assoc. Prof. Dr Iliana Boncheva – Geological Institute, BAS

Assoc. Prof. Dr Polina Pavlishina – Sofia University "St. Kliment Ohridski"

Assoc. Prof. Dr Rositsa Ivanova – Geological Institute, BAS

## BULGARIAN PARTICIPATION IN ONGOING IGCP PROJECTS

### 1. PROJECTS WITH BULGARIAN CO-LEADER

#### A) Project 596: Climate change and biodiversity patterns in the mid-Paleozoic (2011-2015)

**Co-leader:** Iliana Boncheva – Geological Institute, BAS

**Bulgarian Working Group:** Iliana Boncheva, Valeri Sachaski – Geological Institute, BAS

#### Participations in IGCP 596 Meetings:

Königshof, P., Bahrami, A., Boncheva, I., Yazdi, M., Ebrahimi Khan-Abadi, A. 2014. Devonian and Carboniferous shallow water sections in Central Iran. In: Ber. Inst. Erdwiss. K.-F.-Univ. Graz ISSN 1608-8166 Band 19 Graz 2014, *IGCP 596 & 580 Joint Meeting*, Mongolia Ulaanbaatar, 5-18th August 2014; 31.

Königshof, P., Sutter, T.J., Boncheva, I., Izokh, N.G., Ta Hoa Phuong., Charoentitirat, T., Waters, J., Kiessling, W., Kido, E. 2014. Climate Change and Biodiversity Patterns in the mid-Palaeozoic (IGCP 596) – report. In: K.-F.-Univ. Graz ISSN 1608-8166 Band 19 Graz 2014, *IGCP 596 & 580, Joint Meeting*, Mongolia Ulaanbaatar, 5-18th August 2014.

#### Publications:

Königshof P., Sutter, T.J., Boncheva, I., Izokh, N.G., Phuong, T H., Charoentitirat, T., Waters, J., Kiessling, W., Kido, E. 2014. Climate Change and Biodiversity Patterns in the mid-Palaeozoic (IGCP 596) – report. In: Abstract volume. *4<sup>th</sup> International Palaeontological congress*.

Bahrami, A., **I. Boncheva**, P. Königshof, M. Yazdi, A. Ebrahimi Khan-Abadi. **2014**. Conodonts of the Mississippian/Pennsylvanian boundary interval in Central Iran. *Elsevier, Journal of Asian Earth Sciences*, 92, 187-200.

### 2. PROJECTS WITH SCIENCE COORDINATOR FROM BULGARIA

**B) Project 575: Pennsylvanian terrestrial habitats and biotas of southeastern Europe and northern Asia Minor and their relation to tectonics and climate (2010-2015)**

**Science Coordinator (Palynology – Biostratigraphy):** Tatyana Dimitrova, Geological Institute, BAS

**Bulgarian Working Group:** Yanaki Tenchov, Tatyana Dimitrova – Geological Institute, BAS

**Publications:**

Beck, J., **Dimitrova, T.** 2014. Taxonomy and stratigraphic importance of the Carboniferous miospore genus *Vestispora*. *Review of Palaeobotany and Palynology*, 202, 15-28.

Ellen Stolle, Amer Nader, Ali I. Al Juboury, Aboosh H. Al Hadidy, Abdalla M. Abu Hamad and Tatyana H. Dimitrova, 2014. High Resolution Palynostratigraphy, Northern Arabian Plate a Correlation tool for clastic sequences. *AAPG Internatinal Conference and Exhibition*, Istanbul, Turkey, September 14-17, 2014

**3. PROJECTS WITH ACTIVE BULGARIAN WORKING GROUPS**

**C) Project 591: The early to middle Palaeozoic revolution (2011-2015)**

**Bulgarian Working Group:** Valeri Sachanski, Iskra Lakova – Geological Institute, BAS.

**Participation in IGCP 591 Meetings:**

M. Cemal Göncüoğlu, Valeri Sachanski and Huseyin Kozlu. 2014. The lower Silurian “black shales” from SE Anatolia and the Taurides, Turkey. In: Heikki Bauert, Olle Hints, Tõnu Meidla & Peep Männik (editors), Abstracts & Field Guide, *4th Annual Meeting of IGCP 591, The Early to Middle Paleozoic Revolution*, Estonia, 10-19 June 2014; 34.

**Publications:**

M. Cemal Göncüoğlu, Valeri Sachanski, Juan Carlos Gutiérrez-Marco and Cengiz Okuyucu. 2014 (in press). Ordovician graptolites from the basal part of the Palaeozoic transgressive sequence in the Karadere area, Zonguldak Terrane, NW Turkey. *Estonian Journal of Earth Sciences*, 63, 4, 227-232.

**D) Project 609: Climate-environmental deteriorations during greenhouse phases:  
Causes and consequences of short-term Cretaceous sea-level changes**

**Bulgarian Working Group:** Kristalina Stoykova, Iskra Lakova, Daria Ivanova, Silvija Petrova – Geological Institute, BAS; Marin Ivanov, Polina Pavlishina – Sofia University “St. Kliment Ohridski”

**Participation in IGCP 609 Meetings:**

Dinarès-Turell, J., Stoykova, K., Pujalte, V., Ivanov, M., Elorza, J. 2014. An Integrated Upper Maastrichtian Stratigraphic Record: Correlation of Basque and Bulgarian Sections and Implications for Global Sea-Level Trends. 2nd IGCP 609: *Climate-environmental deteriorations during greenhouse phases: Causes and consequences of short-term Cretaceous sea-level change Workshop and the EARTHTIME-EU Sequence Stratigraphy Workshop*, Bucharest, 23-25 August 2014. (Eds Melinte-Dobrinescu, M.C, Briceag, A.); 10.

Grabowski, J., Lakova I., Petrova, S., Schnabl P., Sobień K., Ivanova, D. 2014. Magnetostratigraphy, Magnetic Susceptibility and Calpionellid Stratigraphy of the Upper Berriasian in the West Balkan Mts., Bulgaria (Barlya Section). 2nd IGCP 609: *Climate-environmental deteriorations during greenhouse phases: Causes and consequences of short-term Cretaceous sea-level change Workshop and the EARTHTIME-EU Sequence Stratigraphy Workshop*, Bucharest, 23-25 August 2014. (Eds Melinte-Dobrinescu, M.C, Briceag, A.); 14.

Pavlishina, P. 2014. Palynology of the Albian – Cenomanian Boundary Interval in a Part of North Bulgaria. 2nd IGCP 609: *Climate-environmental deteriorations during greenhouse phases: Causes and consequences of short-term Cretaceous sea-level change Workshop and the EARTHTIME-EU Sequence Stratigraphy Workshop*, Bucharest, 23-25 August 2014; 26.

**Publications:**

Petrova, S., Ivanova, D., Nikolov, N., Koleva-Rekalova, E., Lakova, I. 2014. Microfossil record and facies transitions of Oxfordian to Berriasian carbonates in the Western Srednogie,

Bulgaria. *Proceedings of XX CBGA Congress, General Session G02*, Tirana, Albania, 24-26 September 2014, 79-80.

Bulgarian National IGCP Committee

Chairman: *Dr D. K. Ivanova*

Secretary: *Dr. V. V. Sachanski*

Sofia, 04 February 2015