



COMENIUS UNIVERSITY IN BRATISLAVA  
Faculty of Natural Sciences

Department of Physical Geography and Geocology

Department of Geology and Palaeontology

Department of Applied and Environmental Geophysics

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ASSOCIATION OF SLOVAK GEOMORPHOLOGISTS AT THE SAS, BRATISLAVA

Third Circular on the EUROCORES - TOPO-EUROPE Source & Sink Workshop

## Late Miocene Trans-Paratethys Regional Scale Evolution of the Danube River Basin – Western Black Sea System

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## Danube Catchment Area Paleogeography and Geodynamics

(April 9-12, 2011, Smolenice, Slovakia)



### Program

#### Field Excursion (April 9 – 10, 2011)

#### Upper Miocene and Pliocene lacustrine and alluvial sedimentary formations in the Northern Danube Basin

##### Saturday April 9, 2011

09:00 – 12:00 Arrival of participants to the Faculty of Natural Sciences of the Comenius University (FNS CU) in Bratislava, Mlynská dolina

**Registration for both Excursion and Source & Sink Workshop** at the FNS CU

12:00 – 18:00 **First excursion day** (Bratislava – Pezinok – Nová Vieska – Semerovo – Dvory nad Žitavou)

##### Sunday April 10, 2011

09:00 – 18:00 **Second excursion day** (Dvory nad Žitavou – Nemčiňany – Zlaté Moravce – Sádok – Velké Ripňany – Hlohovec – Smolenice)

15:00 – 22:00 **Registration for Source & Sink Workshop** at the Smolenice Castle

19:00 *Dinner*

# Source & Sink Workshop (April 11 – 12, 2011)

## Monday April 11, 2011

07:30 – 08:30 *Breakfast*

09:00 – 09:10 **Opening Ceremony**

### **Key-note Lectures:**

09:10 – 09:50 MATENCO, L.: Towards building a Trans-Paratethys integrated cross-section in the Source & Sink programme: From the Alp to the Black Sea

09:50 – 10:30 MANDIC, O., HARZHAUSER, M.: Neogene lake systems of Central and South-Eastern Europe – diversities, gradients and faunistic interrelations

10:30 – 11:00 *Coffee Break*

11:00 – 11:40 MAGYAR, I.: History of Lake Pannon: Sedimentation in the Pannonian Basin during Late Miocene and Pliocene times

11:40 – 12:20 SZTANÓ, O., SZAFIÁN, P., MAGYAR, I., BADA, G., UHRIN, A., HORÁNYI, A., WALLIS, R.: Late Miocene aggradational to progradational slope sequences: climate, lake-level and sand delivery to the deep basins of Lake Pannon, Hungary

12:30 – 13:30 *Lunch*

### **Key-note Lecture:**

14:00 – 14:40 KOVÁČ, M., SYNAK, R., FORDINÁL, K., JONIAK, P., TÓTH, Cs., VOJTKO, R., KOVÁČOVÁ, M., BARÁTH, I., NAGY, A., MAGLAY, J., MINÁR, J., STANKOVIANSKY, M.: New interpretation of the northern Danube Basin Upper Miocene and Pliocene depositional systems: impacts on lithostratigraphy of this time span

### **Oral Presentations:**

14:40 – 15:00 SYNAK, R., KOVÁČ, M.: Sedimentary environments on the prograding margin of the Lake Pannon: case study from the northern Danube Basin

15:00 – 15:20 TER BORGH, M., VASILIEV, I., STOICA, M., KNEŽEVIC, S., MATENCO, L., KRIJGSMAN, W., RUNDIC, Lj., CLOETINGH, S.: The age of the isolation of the Pannonian basin

15:20 – 15:40 FRANCŮ, J., KREJČÍ, O., ANDRIESEN, P., ŠAFANDA, J., TOMANOVÁ-PETROVÁ, P.: Inverted thermal maturity in the Carpathian Foredeep and the Carpathian Flysch Belt

15:40 – 16:00 FRANCŮ, J., PERESZLÉNYI, M., MILIČKA, M., ŠAFANDA, J., ČERMÁK, V., SOPKOVÁ, B.: Thermal history of the West Carpathian basins as a key to restoration of eroded units

16:00 – 17:00 **Poster Session** (listed below) *with Coffee Break*

### **Oral Presentations:**

17:00 – 17:20 MUNTEANU, I., MATENCO, L., DINU, C., CLOETINGH, S., TAMBREA, D.: Quantifying the effects of large sea-level variations in connected basins: the Dacian-Black Sea system

- 17:20 – 17:40 STOICA, M., TER BORGH, M., POPESCU, Gh., FLOROIU, A.:  
Biostratigraphical control of Miocene deposits from the Iron Gate Area  
(Dacian basin)
- 17:40 – 18:00 TAMBREA, D., DINU, C., MUNTEANU, I.: Central Romanian Black Sea  
offshore – opening and evolution of the Istria Depression based on the  
subsidence analysis
- 18:00 – 18:20 FLOROIU, A., STOICA, M.: The biostratigraphy of Late Miocene/Pliocene  
deposits from Buzau Area (Dacian Basin) - Paleoenvironmental  
implications
- 19:00 *Festive Dinner*

## **Tuesday April 12, 2011**

07:30 – 08:30 *Breakfast*

### **Key-note Lectures:**

09:00 – 09:40 DOMOKOS, M.: Evolution of the Danube Catchment as illustrated by  
the palaeogeographic maps of F. Neppel (1927 – 2004)

09:40 – 10:20 STANKOVIANSKY, M., MINÁR, J., STAŠKOVANOVÁ, V., PIŠŮT, P.,  
SMETANOVÁ, A., ONDRČKA, J.: Current state of knowledge on relief  
evolution of the Slovak part of the Danube Lowland in the  
Quaternary in relation with results of the Source & Sink Project

10:20 – 10:50 *Coffee Break*

### **Oral Presentations:**

10:50 – 11:10 KOVÁČ, M., MINÁR, J., HÓK, J., VOJTKO, R., BIELIK, M., PIPÍK, R.,  
KRÁLIKOVÁ, S.: Neogene and Quaternary development of the Turiec  
Basin and landscape in its catchment: a tentative mass balance  
model

11:10 – 11:30 ŠABO, M., MINÁR, J.: Synthetic evaluation of selected natural  
hazards in the Western Carpathians area

11:30 – 12:30 **Final Discussion and Closing Session**

12:30 – 13:30 *Lunch*

*Departure of participants*

### **List of Posters**

BIELIK, M., ALASONATI TAŠÁROVÁ, Z., ZEYEN, H., VOZÁR, J., GUTERCH, A., GRAD, M.,  
JANÍK, T., CELEBRATION 2000 Working Group: Carpathian-Pannonian lithosphere:  
New results of the geophysical interpretation

HLAVATÁ, J., KOVÁČ, M., SOPKOVÁ, B.: Serravallian depositional systems and  
sequence stratigraphy of the northern Vienna Basin

KRÁLIKOVÁ, S., HÓK, J.: Tectonic interpretation of AFT data from the crystalline  
complexes of the Inner Western Carpathians

- KÜÇÜK, H. M., DONDURUR, D., ÇİFÇİ, G., ERGÜN, M.: Acoustic structures observed on the offshore Kozlu Region, Central Black Sea
- ONDRČKA, J., STANKOVIANSKY, M.: Assessment of muddy floods in the contact zone of the Western Carpathians and Western Pannonian Basin
- REISER, M., FÜGENSCHUH, B., SCHUSTER, R.: The thermotectonic evolution of the Apuseni Mountains, Romania, documented by structural and thermochronological data
- SOPKOVÁ, B., PROCHÁČ, R.: Miocene tectono-sedimentary development in the Moravian part of the Vienna Basin: case study based on subsidence analysis and accommodation rates
- STAŠKOVANOVÁ, V., MINÁR, J.: Morphostructural research and Neogene evolution of the Tribeč Mts. and adjacent part of the Danube Lowland
- STOJADINOVIC, U., MATENCO, L., ANDRIESEN, P., TOLJIC, M., FOEKEN, J.: From mountain building to orogenic collapse: The role of inherited subduction geometries during the extensional collapse of the Dinaridic orogenic wedge
- ŠUJAN, M.: Danube Basin: The structure of the Danube inland delta
- VÍCH, M., MINÁR, J., MENTLÍK, P., ENGEL, Z., TÁBORŮK, P., STACHE, V.: Preliminary results of late Quaternary development and mass balance of Velka and Mala Studena valleys (High Tatras, Slovakia)
- VLAČIKY, M., SLIVA, Ľ., TÓTH, CS., KAROL, M., ZERVANOVÁ, J., MORAVCOVÁ, M., MAGLAY, J., JONIAK, P.: The fossil mammal fauna and sedimentological data of the locality Nová Vieska (Villafranchian, Slovakia)

## General Information

### Registration

**The registration desk for participants that go to the excursion** will be set up in Bratislava at the **Faculty of Natural Sciences of the Comenius University (FNS CU) in Bratislava, Mlynská dolina**.

Participants will be registered there both for the excursion and the workshop and pay in cash for excursion and accommodation in Smolenice. The excursion fee was lowered to 40 €. This sum covers bed and board without Saturday dinner that will be paid individually on site.

The similar registration for people going directly to Smolenice will be at the reception of the Smolenice Castle.

Note: Those of you, **who did not receive our confirmation** about the fee payment, are asked **to submit the copy of the document confirming this payment**.

### Accommodation

Accommodation **during the field excursion** will be provided at the Žitava Pension in Dvory nad Žitavou. Rooms are double, triple and one room four-bedded. In connection with increased number of participants in the last days and also limited capacity of the facility we expect the full occupancy of rooms.

Accommodation **during the workshop** will be arranged in the Congress Centre of the SAS in the Smolenice Castle. Some rooms are single, majority of them are double, some are triple and one room is four-bedded.

## Oral/poster presentation

The time allocated for the **key-note lecture is 40 minutes** (30 min. for the presentation itself, 10 min. for discussion). The time for the **oral presentation is 20 minutes** (15 min. for presentation, 5 min. for discussion).

The **poster panels** have dimensions **130 cm (vertically) and 100 cm (horizontally)**.

## Conference outputs

Presentations can be published after the workshop in the journals *Geologica Carpathica*, *Geomorphologia Slovaca et Bohemica*, *Acta Geologica Slovaca*, and *Acta geographica Universitatis Comenianae* (after proper reviewing procedure).

## Weather

At this time of year the weather in Slovakia is changeable from pleasant and rather warm to rainy, windy and cold (from 25 to 0 °C). Take your raincoat and **convenient footwear for the case of muddy terrain**.

## Travel information

For detailed information about the arrival to the Faculty of Natural Sciences of the Comenius University in Mlynská dolina in Bratislava and public transport (bus) from Smolenice to Bratislava please visit the website of the workshop.

## Workshop Office

The Workshop office in the reception of the Congress Centre will consist of the *Registration and Information Desk*.

## Organizing Committee

Miloš Stankoviansky, Jozef Minár, Michal Kováč, Zora Machová, Ján Novotný, Paul Andriessen, Liviu Matenco

## Contact e-mails

Miloš Stankoviansky – Organizer [stankoviansky@fns.uniba.sk](mailto:stankoviansky@fns.uniba.sk)

Zora Machová – Contact Person [machova@fns.uniba.sk](mailto:machova@fns.uniba.sk)

Liviu Matenco – Contact ESF Source & Sink Project [liviu.matenco@falw.vu.nl](mailto:liviu.matenco@falw.vu.nl)

## Contacts

### Before the Excursion (to April 9, 2011)

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## **During the Excursion (April 9 – 10, 2011)**

**Veronika Staškovanová** (the member of broader Organizing Committee)

Phone: +421-907 059 950

### **Pension Žitava**

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## **During the Workshop (April 10 – 12, 2011)**

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### **Congress Centre of the Slovak Academy of Sciences**

Source & Sink Workshop Information Desk

919 04 Smolenice

Phone: +421-33-5586 191

<http://www.kcsmolenice.sav.sk/>

Workshop information is available on <http://www.fns.uniba.sk/?SourceSink>

**Note: Be so kind to put back the attached form concerning precision of bed and board.**