



*Institute of Landscape Ecology
Slovak Academy of Sciences
Bratislava, Slovak Republic*



Programme of the 18th International symposium

April 23th (Tuesday)

10.00 – 13.00 Registration of participants

13.00 – 14.00 ***Lunch***

Opening ceremony and plenary section

14.30 – 16.10 ***IZAKOVIČOVÁ, Z., RUŽIČKA, M., KALIVODOVÁ, E., OSZLÁNYI, J., MIKLÓS, L., KOZOVÁ, M., HRNČIAROVÁ, T., MARHOLD, K.***

16.10 – 16.30 ***Coffee break***

Chair: Ľuboš Halada

16.30 – 16.50 ***LIPSKÝ, Z.:*** *Vanished landscapes of the Czech Republic.*

16.50 – 17.10 ***MENSAH, P.:*** *Changes of historical structures in the landscape.*

17.10 – 17.30 ***KENDERESSY, P., ŠPULEROVÁ, J., KOZELOVÁ, I.:*** *Analysis of socio-economic factors affecting the persistence/abandonment of traditional agrarian landscape in Slovakia.*

17.30 – 17.50 ***BELČÁKOVÁ, I.:*** *Multifunctional Farming as an Opportunity for the Sustainable European Agricultural Landscapes: Case Studies from Selected European Countries.*

17.50 – 18.10 ***ŠPULEROVÁ, J., ŠATALOVÁ, B., DOBROVODSKÁ, M., VLACHOVIČOVÁ, M.:*** *The approach to monitoring of High Nature Farmland.*

18.10. – 18.30 ***ŠTECOVÁ, I., KLUVÁNKOVÁ, T., SZABO, T., KAISER, A.:*** *Climate regulation in urban and semi urban landscape management.*

19.00 ***Dinner***

April 24th (Wednesday)

Chair: Zdeněk Lipský

09.00 – 9.20 ***GRUNEWALD, K., SYRBE, R.U.:*** *Analysis of the development of the area of various ecosystems in Germany.*

09.20 – 09.40 ***PECHANEC, V., VODŇANSKÁ, K., PURKYT, J., CUDLÍN, O., CUDLÍN, P.:*** *Driver significance in landuse/landcover prediction models.*

09.40 – 10.00 ***WILLIAMS, T.:*** *Landscape Monitoring as a means to managing landscape change. An interagency group from U.K. and Ireland.*

- 10.00 – 10.20 **BUTORAC, V., BUZJAK, N.:** *Geodiversity as determinant of landscape diversity in region of Ogulinsko Plašćanska Zavalu, Croatia.*
- 10.20 – 10.40 **SUGIER, P., BUDNYK, O., SUCHORA, M., CIERECH, Z.:** *Extinction of aquatic vegetation as a consequence of land management and changes in weather conditions: example from Eastern Poland.*

10.40 – 11.00 **Coffee break**

Chair: Jozeph Salukvadze

- 11.00 – 11.20 **HALADA, L., MEDERLY, P., BEZÁK, P., LIESKOVSKÝ, J., IZAKOVIČOVÁ, Z.:** *Changed land-use consequences to semi-natural grasslands.*
- 11.20 – 11.40 **PERSHIN, D., CHERNYKH, D., BIRYUKOV, R., ZOLOTOV, D.:** *Influence of landscape heterogeneity on the temporal variability of landscape functioning in the South of Western Siberia.*
- 11.40 – 12.00 **PURGAT, P., GAJDOŠ, P.:** *The impact of viticultural landscape structures on the diversity of ground-living spider assemblages (model area Modra).*
- 12.00 – 12.20 **NIKIFOROVA, A.A., FLEIS, M.E., NYRTSOV, M.V.:** *Multi-scale soil-landscape GIS maps as a basis for landscape management and planning at all scale levels.*
- 12.20 – 12.40 **SINGH, A.N.:** *Developing of a new forest landscape on degraded coal mine habitats in a dry tropical environment, India: a case study.*

13.00 – 14.00 **Lunch**

Chair: Olaf Bastian

- 14.30 – 14.50 **FAGIEWICZ, K., MIZGAJSKI, A.:** *Dynamics of changes in landscape structure in the mining areas and its effect on ecosystems value.*
- 14.50 – 15.10 **SKOKANOVA, H., HAVLIČEK, M.:** *Is there any relationship between long-term land cover changes in military training areas and present natural biotopes? Case studies from the Czech Republic.*
- 15.10 – 15.30 **BOURGEOIS, M., SAHRAOUI, Y., DIETRICH, J.:** *A graph-based approach for assessing landscape ecological impacts of a highway project: from modelling to public reception.*
- 15.30 – 15.50 **GAJDOŠ, P., PURGAT, P., PURKART, A.:** *Diversity of the epigeic spider communities in the typical habitats of sand dunes in Záhorie region.*
- 15.50 – 16.10 **CZARNECKA, J., HRYŇ, W., KITOWSKI, I., FRAN CZAK, M., BARTMIŃSKI, P.:** *The Grey Heron as an engineering species – how does it influence seed germination seedling recruitment and the structure of soil seed bank of different forest communities?*

16.10 – 16.30 **Coffee break**

16.30 – 18.30

POSTER SECTION

19.00 **SYMPOSIUM DINNER**

April 25th (Thursday)

Chair: Andrzej Mizgajski

- 09.00 – 9.20 **MIKÓS, L.:** *Inconsistencies in legal documents concerning the landscape protection.*
- 09.20 – 09.40 **KANKA, R., ŠPULEROVÁ, JANA:** *Significance of artificial ditches for maintaining of phytodiversity in the lowland agriculture landscape.*
- 09.40 – 10.00 **BEZÁK, P., BEZÁKOVÁ, M.:** *Hidden benefits of the Slovakian agricultural landscape in socio-ecological context.*
- 10.00 – 10.20 **GRZYWACZEWSKI, G., KITOWSKI, I.:** *Impact of road investments on biota of agricultural landscape of East Poland.*
- 10.20 – 10.40 **KITOWSKI, I., GRZYWACZEWSKI, G., OSKIERKO, M.:** *Development of Lublin Coal Basin as the threat to protected areas of Polesie Zachodnie (East Poland).*

10.40 – 11.00 **Coffee break**

Chair: Wolfgang Sulzer

- 11.00 – 11.20 **DOSTÁL, I.:** *"Wildlife corridors in the Beskydy Mts. and the barrier effect of transport infrastructure. Lessons learned from the Transgreen project."*
- 11.20 – 11.40 **CHAUDRON, C., MAZALOVÁ, M., KURAS, T.:** *Motorways as a chance for nature? Improving the biodiversity along road networks using the introduction of parasitic plants.*
- 11.40 – 12.00 **VAŇO, S., MEDERLY, P., HUDEKOVÁ, Z., DOBRUCKÁ, A.:** *Environmental Approaches to Sustainable Urban Development: An Overview.*
- 12.00 – 12.20 **MIZGAJSKI, A.:** *Urban biodiversity under of global trends and drivers – a comparative study of urban parks in Poznań (Poland) and Salzburg (Austria).*
- 12.20 – 12.40 **SALUKVADZE, J.:** *Urban Landscapes in Transition: Market versus Planning in the City of Tbilisi, Georgia.*

13.00 – 14.00 **Lunch**

Chair: Karsten Grunewald

- 14.30 – 14.50 **GYAMFI, E.D.:** *Urbanization and settlements development - impacts on the landscape.*
- 14.50 – 15.10 **BASTIAN, O., CUDLÍN, P., PECHANEC, V., BRZOSKA, P., ŠTÉRBOVÁ, L., VČELÁKOVÁ, R., PURKYT, J., GRUNEWALD, K.:** *Practical assessments of biodiversity and habitat services in cities – comparative studies/results from Dresden (Germany) and Liberec (Czech Republic).*
- 15.10 – 15.30 **SULZER, W.:** *Analysis of airborne thermal images in relation to different urban structures and land uses of Graz.*
- 15.30 – 15.50 **OWUSU-DONKOR, P.:** *The effects of landscape structures and biodiversity on ecosystem services*

15.50 – 16.10 **KOZOVÁ, M., PAUDITŠOVÁ, E.:** *Assessment of Progress in Participatory Processes in Elaboration of the Conceptions for Development of Urban Forests in Bratislava, Capital of Slovakia (period 1955-2018).*

16.10 – 16.30 **Coffee break**

Chair: Róbert Kanka

16.30 – 16.50 **PONIŽY, L., FEDENČZAK, K., KIJOWSKA, J.:** *The influence of spatial development of the city on the agricultural production space, Gorzów Wlkp. case study.*

16.50 – 17.10 **SKOKANOVÁ, H., HAVLÍČEK, M.:** *Impacts of uncontrolled construction of solar power plants on Czech landscape.*

17.10 – 17.30 **AGBETSOAMEDO, W.E.:** *Economic efficiency of land use to enhance development.*

17.30 – 17.50 **FON NDENGEA, V.:** *Urbanization and settlements development - impact on the landscape.*

17.50 – 18.10 **LYDIA OBED, E.:** *Landscape structures changes and land-use influence on biodiversity.*

18.10 – 18.30 **General discussion**
Conclusion of the symposium

19.00 **DINNER**

April 26th (Friday)

09.30 – 16.00 **EXCURSION**

List of posters

“Landscape structure changes and land-use - influence on biodiversity”

1. HIRABUKI, Y.: **Rapid and diversified vegetation recovery along a huge-tsunami disturbed coastal sand-dune ecotone, Sendai-bay fringe, Japan.**
2. TOMITA, M., KANNO, H., HIRABUKI, Y., HARA, K.: **Tree-species composition and seedling recruitment in remnant forests in a tsunami-inundated area of Sendai, Japan.**
3. SHIMOJIMA, H., MACHIDA, R., KUNII, Y., SUZUKI, S.I., HONDA, N.: **Restoration method using landscape analysis for the grassland landscape along the National Parkway of the Aso-Kuju National Park, Japan.**
4. NAKAO, H., SHIMOJIMA, H., HARA, K., SUZUKI, S.I.: **Utilization of Land Use Changes as a Tool for Developing an Afforestation and Forest Management Master Plan: A case study at the Pigeon Miwa Forest in Hitachiohmiya, Ibaraki Prefecture, Japan.**
5. MACHAR, I., RUDL, A.: **Mapping and sustainable management of important trees as keystone habitats for urban biodiversity.**
6. CZARNECKA, B.: **The influence of chalk grassland overgrowing and burning on long-term spatial patterns in a population of *Senecio macrophyllus* M. Bieb., the Polish Red Book species**
7. JUHÁSZ, E., MOLNÁR, Z., ULICSNI, V., BABAI, D., BIRÓ, M.: **Effects of an ecosystem engineer in the Carpathian Basin – Opinions of conservationists and local people about the Eurasian beaver.**
8. KALIVODA, H.: **Butterflies diversity of the rivers inter-dike spaces in the West and East Slovakia.**
9. HUTÁROVÁ, D., GERHÁTOVÁ, K.: **Historical Structures of Agricultural Landscapes and Local Development Options in the Gemer-Novohrad Region.**
10. CELER, S., PISCOVÁ, V., BUGÁR, G., HREŠKO, J.: **The recent changes of High Tatra Mts landscape.**
11. KOLLÁR, J., ZIMA, L., PALAJ, A.: **The impact of former vineyard land use on vegetation and soils (The Little Carpathians, SW Slovakia).**
12. BARANČOKOVÁ, M., BARANČOK, P.: **Landslides as a limit of possible land use planning in the Kysuce region.**
13. KALIVODOVÁ, M.: **Influence of vineyard management on small terrestrial mammals' communities in vineyard landscape of the Little Carpathians.**
14. KOVALČÍK, B., SRADIOT, P., KŇAVA, K., REHÁK, Š.: **Modelling of interaction of drainage canal including evaluation of impact on environment.**
15. MAMEDOVA, Y.: **Comparison of a management in National Park Poloniny and Uzhanian National Nature Park.**

“Landscape protection and biodiversity conservation (national legislation, international conventions, implementation, etc.)”

16. RAHMONOV, O.: **Altitudinal diversity of flora within juniper forests in the Fann Mountains (western Pamir-Alay), Tajikistan.**
17. MEDERLY, P., MOČKO, M., JANČOVIČ, M., ČERNECKÝ, J., HALADA, L.: **Ecosystem services at national level in Slovakia.**
18. PETLUŠOVÁ, V., PETLUŠ, P., TOBIÁŠOVÁ, E., HREŠKO, J.: **The methods of water erosion identification in optimizing of agricultural landscapes use.**
19. MOYZEOVÁ, M.: **Green infrastructure.**
20. KRŇÁČOVÁ, Z., KENDERESSY, P., HREŠKO, J., DOBROVODSKÁ, M.: **Potential retention capacity of traditionally used agricultural landscape in the model territory of Liptovská Teplička in conditions of the Western Carpathians (Slovakia).**
21. BARANČOK, P., BARANČOKOVÁ, M.: **Changes of landscape diversity and biodiversity by the influence of natural factors and humans' effects in the Devínske Karpaty Mts**

“Changes of historical structures in the landscape”

22. KOLEJKA, J.: **The Pre-Industrial Landscape of Moravia - its identification, mapping and assessment.**
23. MACHAR, I., PECHANEC, V.: **Historical land-use changes of cultural landscape in Olomouc Archdiocese area (Czech Republic).**
24. KRAJEWSKI, P.: **Transformation of historical landscape structures of protected areas in Poland in last 150 years on the example of the Ślęza Massif.**
25. SARNOWSKI, L.: **Development of single-family housing in rural settlements - case study.**
26. VRBIČANOVÁ, G., KAISOVÁ, D.: **Comparison of dispersed settlement area changes in Terchová in the years 1945 and 2015.**
27. PAUDITŠOVÁ, E., KOZOVÁ, M.: **Proposal of revitalising plans for the World Heritage UNESCO Vikolínec and its buffer zone.**
28. BUGÁR, G., PUCHEROVÁ, Z., VESELOVSKÁ, K.: **Mosaic landscape structures in relation to the land use of the district of Nitra.**
29. PETROVIČ, F.: **Changes of historical structures in the landscape.**

“Urbanization and settlements developments - impacts on the landscape”

30. BUZJAK, N., BOČIĆ, N., BUTORAC, V., ŠULC, I.: **Landscape analysis of suburban and rural areas of the City of Zagreb (Croatia).**
31. RAHMONOV, O., PUKOWIEC-KURDA, K., BANASZEK, J.: **Floristic diversity in the landscape of city parks in southern Poland.**
32. IZAKOVIČOVÁ, Z.: **Impact of the urbanisation on the landscape and its ecosystems.**

- 33. RÓZOVÁ, Z., TURANOVIČOVÁ, M.: Recreation in a city - A part of cultural ecosystem services.**
- 34. MICHALINA, D., MEDERLY, P.: Overview of Sustainable Cities Indicators.**