



University of Silesia
in Katowice



Polish GIS Association
"SILGIS"



Croatian GIS Association
"GIS Forum"



Cardinal S. Wyszyński
University in Warsaw



University of Warmia and
Mazury in Olsztyn

Geographic Information Systems Conference and Exhibition "GIS ODYSSEY 2020"
7th to 11th of September 2020, Online Poster Session
www.gis.us.edu.pl/GISOdyssey2020

CONFERENCE PROGRAMME

Firs day: 7th September 2020 (Monday)

9:00 (UTC+01:00) Sending emails with login details

All days: 7-11 September 2020 (Monday-Friday)

7th September 2020, 9:00 – 11th September 2020, 18:00 Online Poster Session

Moderators: Dr Anna Maria Kowalczyk, Dr Kinga Szopińska

1. **Andrzej N. Affek** (Polish Academy of Sciences), **Jacek Wolski** (Polish Academy of Sciences), **Maria Zachwatowicz** (University of Warsaw, Poland), **Krzysztof Ostafin** (Jagiellonian University in Krakow, Poland), **Volker C. Radeloff** (University of Wisconsin-Madison, USA): *Post-WWII landscape dynamics resulting from forced displacements – a GIS-supported study from the Polish Carpathians.*
2. **Monika Balawejder**, **Artur Warchol** (The Bronisław Markiewicz State University of Technology and Economics in Jarosław, Poland): *Analysis of non-public road networks in Poland using geomatic tools and new technologies.*
3. **Marek Banaś** (The Bronisław Markiewicz State University of Technology and Economics in Jarosław, Poland): *Application of statistical analysis methods for agricultural land in the Kenczuga commune.*
4. **Miroslaw Belej**, **Radosław Cellmer** (University of Warmia and Mazury in Olsztyn, Poland): *Spatial modelling of housing prices at the vicinity of the Gdansk Airport.*
5. **Agnieszka Bieda**, **Jarosław Bydłosz**, **Piotr Parzych** (AGH University of Science and Technology in Krakow, Poland): *"Smart" and "Resilient" as the Two Faces of Sustainable Cities.*
6. **Monika Birylo**, **Zofia Rzepecka** (University of Warmia and Mazury in Olsztyn, Poland): *Analysis of Total Water Storage values obtained from GRACE FO observations over area of Venezia Islands.*
7. **Agata Bochniarz**, **Anna Wójcik** (AGH University of Science and Technology in Krakow, Poland): *Assesing the accuracy of UAV-derived structure-from-motion products on the basis of cyclical UAV flights.*
8. **Natsag Burmaa**, **Ganbaatar Baasanjav** (National University of Mongolia): *Developing institutional arrangements for sustainable development within mineral rich resource countries: the case of Mongolia.*
9. **Agnieszka Cienciała** (Kielce University of Technology, Poland): *Cadastral data regarding buildings in the real estate management process.*
10. **Kamil Czaplicki** (Cardinal Stefan Wyszyński University in Warsaw, Poland): *Application of GIS technology in smart villages Mobile Soil Analysis Center.*
11. **Szymon Czyża**, **Karol Szuniewicz** (University of Warmia and Mazury in Olsztyn, Poland): *Analysis of the dynamics of changes in urbanized areas in coastal cities of Europe.*
12. **Agnieszka Dawidowicz**, **Elżbieta Zysk** (University of Warmia and Mazury in Olsztyn, Poland), **Marcin Kulawiak** (Gdansk University of Technology, Poland): *The use of data from remote systems for the "green cadastre".*
13. **Karol Dawidowicz** (University of Warmia and Mazury in Olsztyn, Poland): *Effect of GNSS antenna rotation on position time-series – a case study.*
14. **Huber Dec**, **Anna Lisowska**, **Edyta Puniach**, **Paweł Ćwiakala** (AGH University of Science and Technology in Krakow, Poland): *The usefulness of free satellite imagery in archaeology.*
15. **Klara Dygaszewicz** (Cardinal Stefan Wyszyński University in Warsaw, Poland): *Spatial presentation of social, economic and environmental phenomenon in a 1 kilometer grid.*
16. **Wojciech Dziok**, **Aleksandra Jasińska**, **Edyta Puniach**, **Paweł Ćwiakala** (AGH University of Science and Technology in Krakow, Poland): *LoD's influence on the presentation of the 3D model of the building.*
17. **Bogdan Fischer** (Pedagogical University of Krakow, Poland; Jagiellonian University in Krakow, Poland): *Re-use of research, dynamic and high-value data, based on the example of geospatial data.*
18. **Ryszard Florek-Paszkowski**, **Łukasz Kulesza**, **Lidia Dąbek** (Kielce University of Technology, Poland): *The usefulness of an cadastral orthophotomap in the procedure of approving the local spatial development plans.*
19. **Małgorzata Gajos-Grzetić** (University of Silesia in Katowice, Poland), **Zvonko Grzetić** (Scientific Centre of Law & Informatics in Warsaw, Poland), **Maria Styblińska** (SILGIS Association, Poland): *The achievements of Croatian-Polish GIS cooperation 1993-2020.*
20. **Agnieszka Grysczyńska** (Cardinal Stefan Wyszyński University in Warsaw, Poland): *How to shape access to spatial data from public registers.*
21. **Damir Ivanković**, **Ivan Vučić**, **Vlado Dadić** (Institute of Oceanography and Fisheries in Split, Croatia): *Review of GIS tools used for management, discovery and presentation of marine spatial data at Institute of Oceanography and Fisheries.*

22. **Izabela Karsznia, Karolina Sielicka** (University of Warsaw, Poland): *The use of decision trees in settlement selection on small-scale maps.*
23. **Maciej Kiedrowicz, Jerzy Stanik** (Military University of Technology in Warsaw, Poland): *The method of measuring the level of security in typical areas of application of GIS technology.*
24. **Pavlo Kolodiy, Maryna Pidlypna** (Lviv National Agrarian University, Ukraine): *Monitor your fields in browser EOS crop monitoring.*
25. **Sylvia Kotecka-Kral** (University of Wrocław, Poland): *Users location data processed on smart mobile devices versus privacy.*
26. **Anna Maria Kowalczyk, Tomasz Bajerowski** (University of Warmia and Mazury in Olsztyn, Poland): *The theory of six value aggregation paths for spatial analyses.*
27. **Kamil Kowalczyk** (University of Warmia and Mazury in Olsztyn, Poland), **Jānis Kaminskis** (University of Latvia), **Anna Maria Kowalczyk, Bartosz Naumowicz** (University of Warmia and Mazury in Olsztyn, Poland): *Spatial analysis of point location in relation to geological conditions.*
28. **Malgorzata Krajewska, Kinga Szopińska** (UTP University of Science and Technology in Bydgoszcz, Poland): *Value of land properties in the context of planning conditions risk on the example of the suburban zone of a Polish City.*
29. **Lubomír Kseňák, Katarína Pukanská, Karol Bartoš, Klaudia Kupčíková** (Technical University of Košice, Slovakia): *Non-contact surveying approaches for measuring geological structures in the country.*
30. **Dawid Kwaśniak, Sławomir Cellmer** (University of Warmia and Mazury in Olsztyn, Poland): *Incorporating Inter System Bias in Single Point Positioning based on GPS, Galileo and BeiDou System.*
31. **Janusz Kwiecień, Kinga Szopińska** (UTP University of Science and Technology in Bydgoszcz, Poland): *Prediction of Carbon Monoxide Air Pollution using the CSL software and the kriging methods – a case study of Bydgoszcz City.*
32. **Ewa Marzec** (Cardinal Stefan Wyszyński University in Warsaw, Poland): *Legal regulation of the accessibility of spatial information for people with visual disabilities in Poland.*
33. **Anka Mašek Tonković, Vlad Walter Veckie** (J.J. Strossmayer University in Osijek, Croatia): *Volunteering beneficence of third age seniors.*
34. **Katarzyna Matkowska** (The Bronisław Markiewicz State University of Technology and Economics in Jarosław, Poland): *Analysis of the preferences of real estate buyers in Rzeszów.*
35. **Marek Michalski, Aleksandra Syryt** (Cardinal Stefan Wyszyński University in Warsaw, Poland): *Geolocation during a pandemic.*
36. **Milena Moteva** (University of Architecture, Civil Engineering and Geodesy in Sofia, Bulgaria): *Legal conditions and data provision for land property exchange in the processes of land consolidation and land compensation in Bulgaria.*
37. **Milena Moteva, Bisserka Marinova** (University of Architecture, Civil Engineering and Geodesy in Sofia, Bulgaria): *Agricultural land protection by spatial planning in Bulgaria.*
38. **Katarzyna Pajak, Kamil Kowalczyk** (University of Warmia and Mazury in Olsztyn, Poland), **Jānis Kaminskis** (University of Latvia): *Verification of vertical crustal movements velocities along the Adriatic Sea coast from satellite altimetry, tide gauges, and GNSS.*
39. **Renata Pelc-Mieczkowska** (University of Warmia and Mazury in Olsztyn, Poland): *Preliminary analysis of the GPS PPP method accuracy to assess its applicability in geodynamic studies.*
40. **Piotr Pieńkosz, Wawrzyniec Święcicki** (Cardinal Stefan Wyszyński University in Warsaw, Poland): *E-parking system in a tourist municipality.*
41. **Konrad Radomiński** (Cardinal Stefan Wyszyński University in Warsaw, Poland): *Recreation of the buildings in the video games.*
42. **Izabela Rącka** (State University of Applied Sciences in Kalisz, Poland): *The quality of public space in town center.*
43. **Andrzej Rączaszek** (University of Economics in Katowice, Poland): *Rising standards of living in countries undergoing transformation.*
44. **Anita Sabat-Tomala, Edwin Raczko, Bogdan Zagajewski** (University of Warsaw, Poland): *The application of hyperspectral remote sensing and GIS methods to identify invasive and expansive plant species.*
45. **Grażyna Szpor** (Cardinal Stefan Wyszyński University in Warsaw, Poland): *Accessibility of spatial information during the pandemic – legal aspects.*
46. **Zbigniew Ustrnul, Agnieszka Wypych** (Institute of Meteorology and Water Management – National Research Institute in Warszawa, Poland and Jagiellonian University in Krakow, Poland): *Geospatial information presented by the system for country protection against extraordinary hazards (ISOK).*

Fifth day – 11th September 2020 (Friday)

18:00 (UTC+01:00) End of moderation