



**32nd International Conference & Exhibition
Geographic Information Systems
"GIS Odyssey 2025"
1st to 5th of September 2025
Croatia: Kaštela, Trogir, Split & Dalmatian Islands**

Organiser

Croatian-Polish Scientific Network



Co-organiser

University of Silesia in Katowice, Poland; Cardinal Stefan Wyszyński University in Warsaw, Poland; Military University of Technology, Warsaw, Poland; Institute of Oceanography and Fisheries, Split, Croatia; AGH University of Krakow, Poland; University of Warmia and Mazury in Olsztyn, Poland; Faculty of Science of University of Zagreb, Croatia; University of Economics in Katowice, Poland; SILGIS Association, Sosnowiec, Poland; NCPI – Law and Informatics Research Center, Warsaw, Poland; Panon – Institute for Strategic Studies, Osijek, Croatia; Scientific Underwater Research Foundation, Poland

Program

Monday 1.09.2025

from 14.00 Accommodation in Hotel Resnik, Kaštel Štafilić, Njiva sv. Petra 6
from 18.30 Dinner
20.00 Registration for conference, organizational meeting, Hotel Resnik, Conference hall

Tuesday 2.09.2025

7.00- 9.00 Breakfast
9.00- 9.15 Opening ceremony and official speeches
9.15- 9.45 Presentation of the Davorin Kereković Award
9.45-10.30 1st session: Spatial data in business and risk management
10.30-11.30 2nd session: European Health Data Space
11.30-12.00 Discussion
12.00-13.00 Lunch
13.15 Departure to Trogir (from the hotel parking)
13.30-15.30 3rd session: Cultural heritage of Trogir
15.30 Departure to Malačka
16.00-17.00 4th session: Natural heritage of Kaštela – view from the Malačka
17.00 Departure to Hotel Resnik
18.30-20.30 Dinner

Wednesday 3.09.2025

7.00- 8.30 Breakfast (please take additional lunch packet)
8.30 Departure to Kaštel Stari, New port, Obala kralja Tomislava 5a, boat "Horizont"
9.00-18.00 5th terrain session: The richness of the Adriatic Sea and the Dalmatian Islands
Kaštel Stari – Milna (Island Brač) – Stomorska (Island Šolta) – Kaštel Stari
13.00 Lunch on the boat
18.00 Departure from Kaštel Stari to Hotel Resnik
18.30-20.30 Dinner

Thursday 4.09.2025

7.00- 9.30 Breakfast
9.30-10.30 6th session and discussion: GIS in didactics and research
10.30-11.30 7th session and discussion: Geolocalization and data protection
12.00-13.00 Lunch
13.15 Departure to Split
14.00-17.00 8th session: UNESCO cultural heritage in Split
17.00 Departure from Split to Hotel Resnik
18.30-20.30 Dinner

Friday 5.09.2025

7.00- 9.30 Breakfast
10.00-10.45 9th poster session: GIS in landscape planning and real estate management
10.45-11.30 10th poster session: Geoinformatics and GIS
11.30-12.00 Closing ceremony
12.00 Farewell Lunch

Opening ceremony

OPENING OF THE CONFERENCE – *Zvonko Gržetić, Małgorzata Gajos-Gržetić*

WELCOMING THE CONFERENCE GUESTS – *The Mayor of Kaštela*

Presentation of the Davorin Kereković Award

ABOUT AWARD – *Grażyna Szpor, Małgorzata Gajos-Gržetić*

AWARD CEREMONY – *Katarzyna Trynda, Kazimierz Worwa*

Presentation of the best doctoral dissertation in which GIS tools were used or a legal solution for the use of spatial data was proposed:

THE VALUE OF UNUSED URBAN SPACES – *Agnieszka Majorek-Gdula*

1st session: Spatial data in business and risk management

Chairman: Agnieszka Szczepańska, Leon Grubišić

JUST ENERGY TRANSITION FOR COAL-DEPENDENT SUBREGIONS IN THE SILESIAN PROVINCE – *Dorota Benduch*

PREDICTIVE CONTROLLING ANALYTICS AND STRATEGIC RISK MANAGEMENT MARINA BUSINESS IN & WITH, CASE STUDY ACI –

Ivan Peronja, Juraj Bukša, Tihomir Luković

DOES THE FEATURE OF LOCATION ON THE FLOOR AFFECT THE MARKET VALUE OF RESIDENTIAL REAL ESTATES? – *Natalia Sajnog*

2nd session: European Health Data Space

Chairman: Małgorzata Ganczar, Anna Haładyj

CYBER RESILIENCE OF THE EUROPEAN HEALTH DATA SPACE – *Grażyna Szpor*

STRUCTURE OF CYBER THREATS IN THE HEALTH SECTOR – *Agnieszka Gryszczyńska*

LEGAL MEASURES FOR PROTECTION OF MEDICAL DATA AGAINST CYBERATTACKS – *Agnieszka Besiekierska*

THE ROLE OF SPATIAL DATA IN THE EUROPEAN HEALTH DATA SPACE – *Krzysztof Świtła*

3rd session: Cultural heritage of Trogir

4th session: Natural heritage of Kaštela – view from the Malačka

The place of remembrance for people from the Kaštela commune who died during the war of 1991-1995. The viewpoint

5th terrain session: The richness of the Adriatic Sea and the Dalmatian Islands

Chairman: Urszula Myga-Piątek, Radosław Cellmer

THE HISTORICAL SIGNIFICANCE OF THE SPLIT SEA AREA FROM DIOCLETIAN TO BEZOS – *Srećko Favro*

MARICULTURE AND ADRIATIC FISH POPULATION – *Leon Grubišić*

DYNAMICS OF THE ADRIATIC SEA – *Zvonko Gržetić*

6th session: GIS in didactics and research

Chairman: Milena Motewa, Kazimierz Worwa

IMPLEMENTATION OF SERVICE LEARNING IN GIS DIDACTICS – *Katarzyna Trynda*

CHILDREN AND THEIR ABILITY TO USE MAPS – *Anna Klimach, Agnieszka Dawidowicz*

BIBLIOMETRIC ANALYSIS OF GIS RESEARCH: EXPLORING TRENDS USING THE BIBLIOMETRIX R PACKAGE – *Mirosław Belej,*

Radosław Cellmer

7th session: Geolocalization and data protection

Chairman: Agnieszka Gryszczyńska, Agnieszka Besiekierska

GEOLOCALIZATION OF EMPLOYEES AND DATA PROTECTION – *Małgorzata Ganczar, Milena Kloczkowska*

GEOLOCATION AS A CONTROL TOOL IN ENVIRONMENTAL PROTECTION LAW – *Anna Haładyj*

HOW MANY HUMAN RIGHTS IN THE AI ACT? – *Kamil Strzępek*

8th session: UNESCO cultural heritage in Split

9th poster session: GIS in landscape planning and real estate management

Chairman: Anna Klimach, Mirosław Belej

NEW TERRITORY DESIGN STANDARDS FOR ARABLE LAND – *Milena Motewa, Georgi Kostadinov, Vladimir Caeriac*

PROPOSAL OF A METHODOLOGY SUPPORTING THE DEVELOPMENT OF LAND USE AND AGRICULTURAL PLANS: A CASE STUDY OF

POLAND – *Anna Bielska*

PROTECTION OF VISUAL RESOURCES – EXPERIENCES FROM THE LANDSCAPE AUDIT POLAND – *Urszula Myga-Piątek*

TOWARDS ENERGY INDEPENDENCE – SUMMARY OF THE PROJECT OF SUSTAINABLE REDEVELOPMENT OF THE PALACE IN

RZUCHÓW – *Ewa Mackiewicz*

CONSTRUCTION ATTRACTIVENESS OF POLAND'S RURAL AREAS DURING THE PANDEMIC SARS COV 2 – *Monika Wesołowska,*

Marta Gwiazdzińska-Goraj

THE IMPACT OF ESG FACTORS ON REAL ESTATE VALUES – *Katarzyna Sobolewska-Mikulska, Przemysław Socik*

THE IMPACT OF INFRASTRUCTURE AVAILABILITY AND QUALITY ON THE DEVELOPMENT OF CYCLING TRANSPORT IN THE

FUNCTIONAL URBAN AREA OF SUWAŁKI – *Marta Gross*

10th poster session: Geoinformatics and GIS

Chairman: Dorota Benduch, Krzysztof Świtła

ELEVATION-ONLY VS FULL PCC MODELS – THE IMPACT ON POSITIONING – *Karol Dawidowicz*

COMPARATIVE ANALYSIS OF THE EFFECTIVENESS OF DETERMINISTIC AND RANDOM METHODS OF GENERATING A SET OF TEST

CASES IN THE PROCESS OF TESTING SOFTWARE OF GIS SYSTEMS – *Kazimierz Worwa*

MANAGING SECURITY INCIDENTS IN GIS SYSTEMS: PRACTICAL APPROACHES AND STANDARDS – *Maciej Kiedrowicz, Jerzy Stanik*

DATA WAREHOUSES FOR HGIS – IDENTIFICATION OF USER REQUIREMENTS AND CONSTRUCTION OF A DATABASE – *Stefan Rozmus*

CLOUD DATA SECURITY: GIS PRACTICES AND STANDARDS – *Maciej Kiedrowicz, Jerzy Stanik*

COMPARATIVE ANALYSIS OF METHODS FOR IDENTIFYING CYBER THREATS IN GIS SYSTEMS – *Piotr Górny*

APPLICATION OF DORA STANDARDS IN OPERATIONAL RISK MANAGEMENT IN GIS SYSTEMS – *Jerzy Stanik, Maciej Kiedrowicz*

USE OF THE CAPABILITIES OF GIS SYSTEMS IN THE AREA OF CYBERSECURITY – *Marzenna Miłek*

INTEGRATION OF NATIONAL CYBERSECURITY STANDARDS WITH GEOGRAPHIC INFORMATION SYSTEMS IN THE CONTEXT OF

CRITICAL INFRASTRUCTURE SECURITY MANAGEMENT – *Jerzy Stanik, Maciej Kiedrowicz*