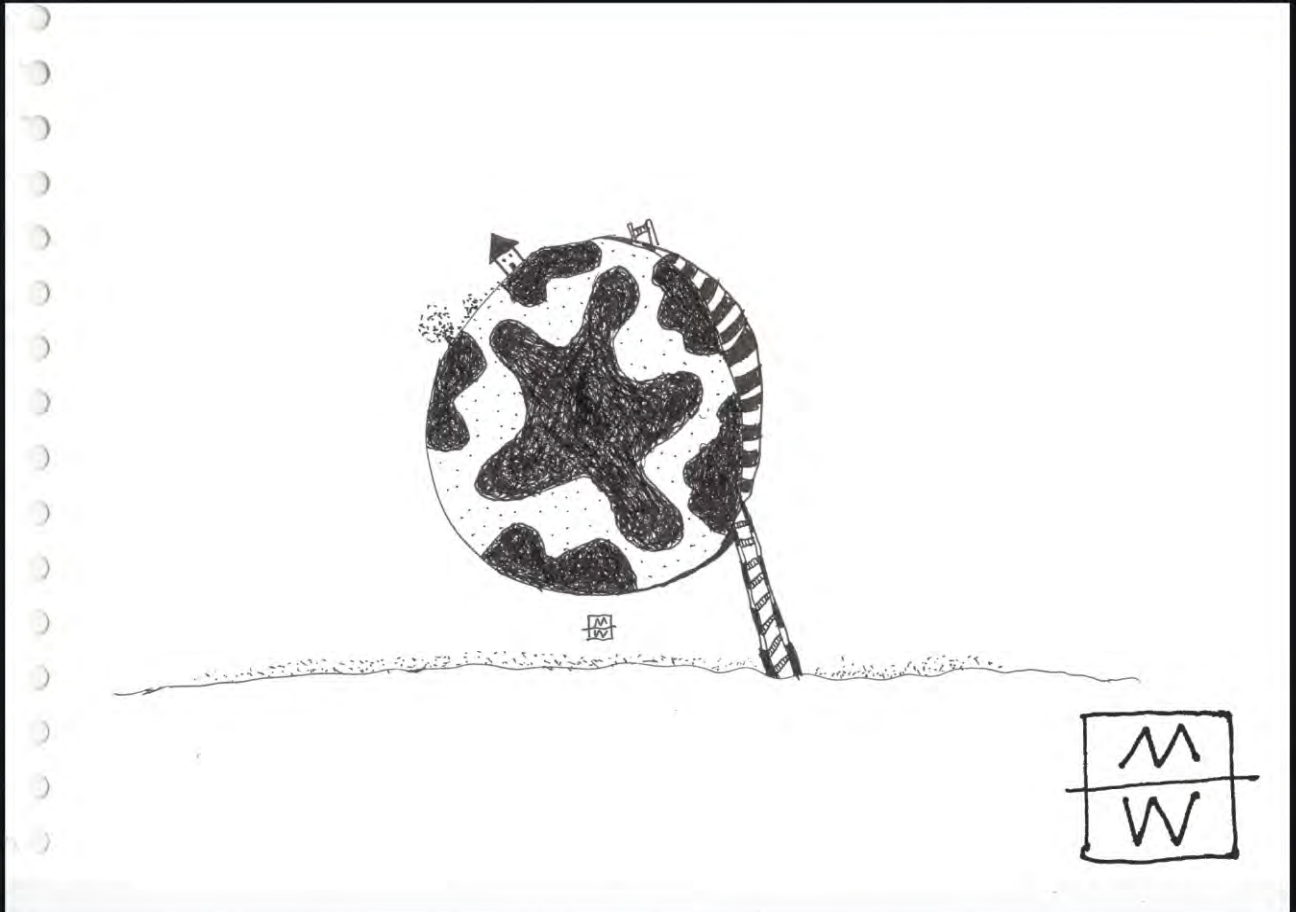


Małgorzata Gajos

GIS Bibliography



Polish-Croatian Cooperation 1994-2013

Katowice 2013

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Preface

The “GIS Bibliography. Polish-Croatian Cooperation 1994-2013” book presents the bibliography of a body of publications, which is the result of 20 international Geographical Information Systems (GIS) conferences organized during 20 years (1994-2013) of cooperation, mainly between Polish and Croatian experts and institutions. Joint international research and publications in the area of geoinformation and GIS are described. The bibliography is presented by subject. There are 13 subjects, in each of them bibliographic descriptions are ordered alphabetically by surname of author. The bibliography consist of 879 bibliographic descriptions, including 877 article descriptions and 2 descriptions of multiauthor monograph. An index of authors is created along with bibliographic descriptions. Publications have been elaborated by 778 authors. The book contains annex with covers of 27 publications - achievements of the 20 conferences.

Presenting the achievements of 20 years of Polish-Croatian publishing cooperation in the field of GIS, I hope that it will find recognition and favorable reviewers among readers.

Małgorzata Gajos

Development of Polish-Croatian GIS cooperation. From Crikvenica to Crikvenica

In summer 1993, an accident happened to the Polish humanitarian expedition (for Sarajevo citizens) near Crikvenica. Davorin Kereković, at that time working on Geographical Information Systems (GIS) in the INA Institute in Croatia, and his wife Walentyna, who was born in Kraków, helped the crew return home safely. This fact became an impulse for the cooperation between Davorin Kereković and members of SILGIS Center in Katowice - Andrzej Michalski and Grażyna Szpor¹.

The 1994 was a significant year for the Polish-Croatian GIS cooperation. In that year, Croatian GIS Forum Association was established under Central Union of Croatian Informatics (Hrvatski Informatički Zbor - HIZ, which unites more than 50 institutions). What is more, it was a beginning of international research efforts in the area of Geographical Information Systems (GIS), with an active participation of Croatia and Poland.

The cooperation is based on events such as conferences, exhibitions, workshops, seminars, lectures, which are held mainly in Croatia and Poland alternately, projects and publishing activities².

¹ See more: 1) Kereković D. (2006). *12 Years of Cooperation Between Polish and Croatian Experts in Domain of Geo-informatics, Cartography, Geodesy, Cadastre, Ecology, Applied Economy and other Related Disciplines*. In: D. Kereković (ed.). *GIS Applications and Development*. Croatian Information Technology Association – GIS Forum, Zagreb, 289-290. 2) Gajos M. (2009). *Participation of Croatia and Poland in GIS Co-operation*. In: D. Kereković (ed.). *Time, GIS & Future*. Croatian Information Technology Association – GIS Forum, University of Silesia, Zagreb, 269-276. 3) Michalski A., Szpor G. (2013). *Introduction*. In: R. Żróbek, D. Kereković (ed.). *GIS and its Implementation*. Croatian Information Technology Society – GIS Forum, Zagreb.

² See more: 1) Gajos M. (2006). *10th GIS Conferences Longer Co-operation*. In: D. Kereković (ed.). *GIS Applications and Development*. Croatian Information Technology Association – GIS Forum, Zagreb, 291-301. 2) Kereković D. (2006). *Co-operation Between Polish, Croatian and Other Experts*. In: D. Kereković (ed.). *GIS Applications and Development*. Croatian Information Technology Association – GIS Forum, Zagreb, 302-303. 3) Gajos M. (2007). *Międzynarodowe Konferencje GIS (GIS International Conferences). Praktyka i Teoria Informatyki Naukowej i Technicznej (Practice and Theory of Scientific and Technical Information)* 3-4, 61-64. 4) Gajos M. (2009). *Participation of Croatia and Poland ...* 5) Gajos M. (2011). *Research directions of Polish-Croatian GIS co-operation*. In: D. Kereković, R. Żróbek (ed.). *The Future with GIS*. Croatian Information Technology Association – GIS Forum, University of Silesia, Zagreb, 235-242. 6) Spread the Knowledge, <http://wiinom.us.edu.pl/index.php/do-pobrania/category/196-spread-the-knowledge>. 7) Gajos M., Stach S. (2013). *Presentation of 20 years of Croatian-Polish GIS cooperation based on the website www.gis.us.edu.pl*. In: R. Żróbek, D. Kereković (ed.). *GIS and its Implementation*. Croatian Information Technology Society – GIS Forum, Zagreb, 239-246.

The conference participants come mostly from Croatia and Poland. Over the years however, the body of participants has been increased by experts from England, Germany, Austria, Ukraine, Czech Republic and other countries.

The aim of the book is to present achievements of scientific publication during 20 years (1994-2013) of Polish-Croatian cooperation in the range of GIS, in the form of a bibliography³. Table 1 contains a list of conferences and 27 conference publication descriptions. The covers of those publications can be found in an annex. The publications occurred in various forms: printed one, CD-ROM and website.

During 20 years of cooperation, not only scientific works such as monographs and conference proceedings have been published, but quick reference guides and occasional books as well. For the purpose of this bibliography, only the scientific works have been analysed.

The subject matter of the conferences in individual years was similar, although slightly modified. Table 2 presents GIS conference's topics in the period between 1994 and 2013 and a number of papers in each subject range.

³ GIS bibliography was published in 2005 and 2006 for 10 years of Polish-Croatian cooperation, and two supplements appeared in 2009 and 2011. See: 1) Więckowska U., Przybysz H. (2005). *Bibliography of GIS*. In: D. Kereković (ed.). *Geographic Information Systems in Research & Practice*. IInd Part. Croatian Information Technology Association – GIS Forum, University of Silesia, Zagreb, 371-392. 2) Więckowska U., Przybysz H. (2006). *Bibliography of GIS*. In: D. Kereković (ed.). *GIS Applications and Development*. Croatian Information Technology Association – GIS Forum, Zagreb, 304-335. 3) Gajos M. (2009). *Bibliography of GIS - Supplement 2006-2008*. In: D. Kereković (ed.). *Time, GIS & Future*. Croatian Information Technology Association – GIS Forum, University of Silesia, Zagreb, 277-287. 4) Gajos M. (2011). *Bibliography of GIS – supplement 2006-2010*. In: D. Kereković, R. Źróbek (ed.). *The Future with GIS*. Croatian Information Technology Association – GIS Forum, Zagreb, 213-226. GIS bibliography 1994-2013 has been combined, updated, extended, supplemented and corrected. See: Gajos M. (2013). *GIS Bibliography. Polish-Croatian Cooperation 1994-2013*. <http://gis.us.edu.pl/index.php/gis-bibliography-1994-2013>.

Table 1. Conferences and publications of Polish-Croatian cooperation (1994-2013)

Title of the conference	Place & date of the conference	Organisers of the conference	Title of the publication
Spatial Information Systems GIS/LIS in Commune and Region	Poland: Szczyrk September 12-14, 1994	The Upper Silesian Centre of Spatial Information, Poland; SILGIS Center Association, Poland; Foundation of Development of Local Democracy, Poland	Informacja i informatyka w administracji publicznej (Information and Informatics in Public Administration) ¹ ; Stan prawny informacji o przestrzeni. Część V. Nowe regulacje na tle rozwiązań zachodnioeuropejskich (Legal Status of Spatial Information. Part V. New Regulations on the Background of West European Solutions) ²
Freedom of Information and its Limits	Poland: Katowice & Ustroń November 27-28, 1997	University of Silesia - Faculty of Engineering, Poland; SILGIS Center Association, Poland; Konrad Adenauer Foundation, Poland; Walerian Pańka Centre of Education of Territorial Administration, Poland	Wolność informacji i jej granice (Freedom of Information and its Limits) ³
GIS Croatia 98	Croatia: Osijek October 6-8, 1998	HIZ - GIS Forum, Croatia	GIS Croatia 98. Zbornik radova. Proceedings ⁴
Processing and Protection of Data	Poland: Ustroń December 2-4, 1998	University of Silesia - Faculty of Engineering, Poland; SILGIS Center Association, Poland; Union of Communes of The Upper Silesia and North Moravia	Przetwarzanie i ochrona danych (Processing and Protection of Data) ⁵
GIS in Cultural and Environmental Heritage Management	United Kingdom: York May 5-7, 1999	The University of York, Great Britain; The Unipost-War Reconstruction & Development Unit (PRDU), Great Britain; INA, Croatia	GIS in Cultural and Environmental Heritage Management ⁶
Spatial Information Management in the New Millennium	Poland: Cracow November 15-17, 1999	AGH University of Science and Technology in Cracow, Poland; Agricultural University of Cracow, Poland; Silesian University of Technology, Poland; University of York, Great Britain, University of J.J. Strossmayer in Osijek, Croatia; University of Silesia, Poland; Institute of Spatial and Cadastral Systems in Gliwice, Poland; SILGIS Center Association, Poland; HIZ - GIS Forum, Croatia	Spatial Information Management in the New Millennium (Zarządzanie informacją przestrzenną w nowym tysiącleciu) ⁷
GIS Croatia 2000	Croatia: Zagreb, Osijek, Lonjsko Polje September 27-29, 2000	HIZ - GIS Forum, Croatia	GIS Croatia 2000. International Conference & Exhibition. Proceedings ⁸

GIS Polonia 2001	Poland: Warsaw October 15-17, 2001	University of Technology, Poland; University of Silesia, Poland; University of Zagreb, Croatia; HIZ - GIS Forum, Croatia	GIS Polonia 2001. Geographical Information Systems. International Conference & Exhibition ⁹
GIS Odyssey 2002	Croatia: Split, Trogir, Korčula, Dubrovnik September 2-6, 2002	HIZ - GIS Forum, Croatia; University of Zagreb, Croatia; University of Silesia, Poland.	GIS Odyssey 2002. Geographical Information Systems. International Conference & Exhibition ¹⁰
GIS Silesia 2003	Poland: Katowice, Sosnowiec, Rudy Wielkie, Złoty Potok, Ojców September 22-26, 2003	University of Silesia, Poland; HIZ - GIS Forum, Croatia; SILGIS Association, Poland	Geographical Information Systems. Interdisciplinary Aspects ¹¹ ; Quick Reference Guide. International Conference and Exhibition. GIS Silesia 2003 ¹²
GIS Odyssey 2004	Croatia: Trogir, Kornati, Hvar August 30- -September 3, 2004	HIZ - GIS Forum, Croatia; Hydrographic Institute of the Republic of Croatia; Institute of Oceanography and Fisheries, Croatia; University of Silesia, Poland	Geographical Information Systems in Research & Practice ¹³
GIS Odyssey 2005	Croatia: Opatija, Pula & Istria September 5-9, 2005	HIZ - GIS Forum, Croatia; Hydrographic Institute of the Republic of Croatia; Institute of Oceanography and Fisheries, Croatia; University of Silesia, Poland	Geographic Information Systems in Research & Practice. II nd Part ¹⁴
GIS Odyssey 2006	Croatia: Šibenik, Split, Krka & Dalmatian islands September 4-8, 2006	HIZ - GIS Forum, Croatia; Hydrographic Institute of the Republic of Croatia; Institute of Oceanography and Fisheries, Croatia; University of Silesia, Poland; SILGIS Association, Poland	GIS Applications and Development ¹⁵
GIS Odyssey 2007	Croatia: Šibenik, Split, Trogir & Dalmatian inland – Vrlika, Sinj September 3-7, 2007	HIZ - GIS Forum, Croatia; Hydrographic Institute of the Republic of Croatia; Institute of Oceanography and Fisheries, Croatia; University of Silesia, Poland; SILGIS Association, Poland	Richness and Diversity of GIS ¹⁶
GIS Polonia 2008	Poland: Zakopane & Kraków September 8-12, 2008	University of Silesia, Poland; SILGIS Association, Poland; Institute of Meteorology and Water Management - Kraków, Poland; HIZ - GIS Forum, Croatia; Cardinal Stefan Wyszyński University, Poland; Hydrographic Institute of the Republic of Croatia; Institute of Oceanography and Fisheries, Croatia; Katowice Institute of Information Technologies, Poland; Scientific Network - Geoinformation Systems, Poland	Geoinformation Challenges ¹⁷ ; Annals of Geomatics (Roczniki Geomatyki), 2008, vol. VI, no 1 ¹⁸ ; Annals of Geomatics (Roczniki Geomatyki), 2008, vol. VI, no 2 ¹⁹ ; Michał Wojnar & GIS ²⁰

GIS Odyssey 2009	Croatia: Plitvice, Lika & Zadar September 7-11, 2009	HIZ - GIS Forum, Croatia; Hydrographic Institute of the Republic of Croatia; Institute of Oceanography and Fisheries, Croatia; University of Silesia, Poland; SILGIS Association, Poland; Cardinal Stefan Wyszyński University, Poland	Time, GIS & Future ²¹
GIS Odyssey 2010	Croatia: Brijuni, Istra & Pula September 3-7, 2010	HIZ - GIS Forum, Croatia; Hydrographic Institute of the Republic of Croatia; Institute of Oceanography and Fisheries, Croatia; University of Silesia, Poland - Faculty of Computer Science and Materials Science, Faculty of Earth Sciences; SILGIS Association, Poland; Cardinal Stefan Wyszyński University, Poland	Space, Heritage & Future ²²
GIS Odyssey 2011	Croatia: Lovran, Kvarner & Istria September 5-9, 2011	HIZ - GIS Forum, Croatia; Institute of Oceanography and Fisheries, Croatia; University of Silesia, Poland; SILGIS Association, Poland; Cardinal Stefan Wyszyński University, Poland.	The Future with GIS ²³
GIS Odyssey 2012	Croatia and Bosnia and Hercegovina: Metković, Neretva, Mostar & Međugorje September 3-7, 2012	HIZ - GIS Forum, Croatia; Hydrographic Institute of the Republic of Croatia; Institute of Oceanography and Fisheries, Croatia; University of Silesia, Poland; SILGIS Association, Poland; Cardinal Stefan Wyszyński University, Poland	GIS for Geoscientists ²⁴
GIS Odyssey 2013	Croatia: Crikvenica & Krk September 2-6, 2013	HIZ - GIS Forum, Croatia; Institute of Oceanography and Fisheries, Croatia; Hydrographic Institute of the Republic of Croatia; University of Warmia and Mazury in Olsztyn (Department of Land Management and Regional Development, Institute of Geodesy - Cartography and GIS, Department of Real Estate Resources) Poland; University of Silesia, Poland; Real Estate Scientific Society, Poland; SILGIS Association, Poland; Cardinal Stefan Wyszyński University, Poland	GIS and its Implementation ²⁵ ; Real Estate Market and Valuation Processes ²⁶ ; Management of Real Estate Resources ²⁷

¹ *Informacja i informatyka w administracji publicznej (Information and Informatics in Public Administration)*. Vol. II. A. T. Jankowski (ed.). SILGIS Center Association, Katowice 1994.

² *Stan prawny informacji o przestrzeni. Część V. Nowe regulacje na tle rozwiązań zachodnioeuropejskich (Legal Status of Spatial Information. Part V. New*

Regulations on the Background of West European Solutions). G. Szpor (ed.). SILGIS Center Association, Katowice 1994.

³ *Wolność informacji i jej granice (Freedom of Information and its Limits)*. SILGIS Center Association, Katowice 1997.

⁴ *GIS Croatia 98. Zbornik radova. Proceedings*. Croatian Information Technology Association – GIS Forum, The University of York, University of J. J. Strossmayer in Osijek, SILGIS Center Association, Osijek 1998.

⁵ *Przetwarzanie i ochrona danych (Processing and Protection of Data)*. G. Szpor (ed.). Faculty of Engineering of University of Silesia, SILGIS Center Association, Katowice 1998.

⁶ *GIS in Cultural and Environmental Heritage Management. An International Workshop and Exhibition May 5th - 7th 1999. Proceedings*. The University of York, York 1999.

⁷ *Spatial Information Management in the New Millennium (Zarządzanie informacją przestrzenną w nowym tysiącleciu)*. G. Szpor, D. Kereković (ed.). Faculty of Engineering of University of Silesia, SILGIS Center Association, Katowice 1999.

⁸ *GIS Croatia 2000. International Conference & Exhibition. Proceedings*. D. Kereković (ed.). Croatian Information Technology Association – GIS Forum, INA-industrija nafte d. d. Zagreb, Zagreb 2000.

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Information Technology Association – GIS Forum, SILGIS Association, Sosnowiec, Zagreb 2003. [and CD].

¹² *Quick Reference Guide. International Conference and Exhibition. GIS Silesia 2003*, 22-26 September 2003. M. Gajos, A. Michalski, U. Myga-Piątek, M. Styblińska (ed.). Faculty of Earth Sciences of University of Silesia, Faculty of Engineering of University of Silesia, SILGIS Association, Sosnowiec 2003.

¹³ *Geographical Information Systems in Research & Practice*. D. Kereković (ed.). Croatian Information Technology Association – GIS Forum, University of Silesia, Zagreb 2004. [and CD].

¹⁴ *Geographic Information Systems in Research & Practice. IInd Part*. D. Kereković (ed.). Croatian Information Technology Association – GIS Forum, University of Silesia, Zagreb 2005. [and CD].

¹⁵ *GIS Applications and Development*. D. Kereković (ed.). Croatian Information Technology Association – GIS Forum, Zagreb 2006. [and CD].

¹⁶ *Richness and Diversity of GIS*. D. Kereković (ed.). Croatian Information Technology Association – GIS Forum, University of Silesia, Zagreb 2007. [and CD].

¹⁷ *Geoinformation Challenges*. M. Gajos, M. Styblińska (ed.). University of Silesia, Croatian Information Technology Association – GIS Forum, SILGIS Association, Sosnowiec 2008. [and CD].

¹⁸ *Annals of Geomatics (Roczniki Geomatyki)*, 2008, vol. VI, no 1. Polish Association for Spatial Information, Warsaw. [and <http://repozytorium.ptip.org.pl>].

¹⁹ *Annals of Geomatics (Roczniki Geomatyki)*, 2008, vol. VI, no 2. Polish Association for Spatial Information, Warsaw. [and <http://repozytorium.ptip.org.pl>].

²⁰ *Michał Wojnar & GIS*. M. Gajos, D. Kereković, J. Przybylska, M. Styblińska (ed.). SILGIS Association, Sosnowiec 2008.

²¹ *Time, GIS & Future*. D. Kereković (ed.). Croatian Information Technology Association – GIS Forum, University of Silesia, Zagreb 2009. [and CD].

²² *Space, Heritage & Future*. D. Kereković (ed.). Croatian Information Technology Association – GIS Forum, University of Silesia, Zagreb 2010. [and CD].

²³ *The Future with GIS*. D. Kereković, R. Żróbek (ed.). Croatian Information Technology Association – GIS Forum, University of Silesia, Zagreb 2011. [and CD].

²⁴ *GIS for Geoscientists*. D. Kereković, R. Žróbek (ed.). Croatian Information Technology Association – GIS Forum, University of Silesia, Zagreb 2012. [and CD].

²⁵ *GIS and its Implementation*. R. Žróbek, D. Kereković (ed.). Croatian Information Technology Society – GIS Forum, Zagreb 2013. [and CD].

²⁶ Adamczyk T., Adamiczka J., Bieda A., Budzyński T., Dąbrowski J., Jasińska E., Kucharska-Stasiak E., Parzych P., Rączaszek A., Sajnog N., Trojanek M., Žróbek S., Żurek S. (2013). *Real Estate Market and Valuation Processes*. S. Žróbek, D. Kereković (ed.). Croatian Information Technology Society – GIS Forum, University of Warmia and Mazury in Olsztyn, University of Silesia, Zagreb, 134 pp. [and CD].

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Table 2. Number of papers in topics range of GIS conferences 1994-2013

Topics	Number of papers
Geodesy – Cadastre – Cartography	113
Geoinformatics Systems. Information Technology	113
Space and Law. Legally Protected Regions. Geoinformation and Law. Informatics, Law & Communication	94
Cultural and Natural Heritage Management	92
Globalization and Social-Economic Problems. Transition and Challenge in the New Europe. Economics and Regional Development	80
The State and Local Level Administration & Management (Municipal Projects)	71
Ecology	67
Sea and Water Management	63
Environmental and Earth Resources Management. Structure and Function of the Geographical Environment	52
Spatial Information Systems in Practice. The New GIS Solutions	40
Agriculture and Forestry	40
The Integrated Europe and World. Infrastructure for Spatial Information in Europe. International Cooperation	36
Emergency Management, Post-War and Post-Disaster Reconstruction Projects	18
Total	879

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Geodesy – Cadastre – Cartography

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The "GIS Bibliography. Polish-Croatian Cooperation 1994-2013" book presents the bibliography of a body of publications, which is the result of 20 international Geographical Information Systems (GIS) conferences organized during 20 years (1994-2013) of cooperation, mainly between Polish and Croatian experts and institutions . Joint international research and publications in the area of geoinformation and GIS are described. The bibliography is presented by subject. An index of authors is created along with bibliographic descriptions.

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