



VII FORUM

GREEN SMART CITY

UR Congress Centre
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20-21
April
2023

Green Deal Transformation: Energy - Environment - People

**7th edition
of the Conference
Forum Green
Smart City**

**20-21
April
2023**

University of Agriculture in Krakow

ORGANIZERS



UNIWERSYTET ROLNICZY
im. Hugona Kollątaja w Krakowie

University of Agriculture in Krakow

One of the best natural science universities in Poland. The mission of the University is to meet the challenges of modernity, the progressive globalization of the economy as well as the educational and research space. The university educates at all levels of university studies in Polish and in English.



CTT
Centrum Transferu Technologii
Uniwersytetu Rolniczego w Krakowie

Technology Transfer Center of the University of Agriculture in Krakow

The task of the CTT is to transfer the results of scientific work to the economy, conduct activities in the field of intellectual property protection, build a network of cooperation between the sphere of science and the economy to facilitate and intensify the flow of innovative technologies and knowledge.



Innovation Center of the University of Agriculture in Krakow sp. z o.o.

Innovation Center of the University of Agriculture in Krakow sp. z o.o. deals with the commercialization of the results of scientific and research works created at the University of Agriculture in Krakow. We are a member of the Agreement of SPVs. The Innovation Center attaches particular importance to supporting cooperation between science and business, and to promoting innovative activities, in particular identifying, supporting and marketing innovations and advanced technology products. The company supports the development of the adaptation potential of employees, scientists and students of the University of Agriculture in Krakow, with particular emphasis on research and development in the field of new technologies.



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The first formal association of universities in Poland, created by the AGH University of Science and Technology, the Cracow University of Technology and the University of Agriculture in Cracow.



Adam Jarubas, Ph.D., Member of the European Parliament (EP)

A politician and local government activist; in the years 2006-2018, he was the Marshall of Świętokrzyskie Voivodeship; Doctor of Social Sciences, academic lecturer at Jan Kochanowski University of Kielce, Member of the European Parliament of the 9th term. He works in the Committee on Environment, Public Health and Food Safety; Committee on Industry, Research and Energy; Committee on Budgets in the European Parliament and in Subcommittee on Health and Committee on Fight Against Cancer. In his scientific activity, he focuses on the issues of regional policy, management in public policies, environmental safety and protection. He has been an EP rapporteur concerning the Carbon Border Adjustment Mechanism (CBAM) and the European digital market (DMA).

Bożena Ryszawska, Ph.D., prof. at the Department of Economy and Finance, Wrocław University of Economics and Business

The scientific research of Prof. Bożena Ryszawska, Ph.D., focuses on the issues of green economy, sustainability, climate change as well as energy transformation and green finance. She is the author of the book "Green economy: theoretical foundations of the concept and the measurement of its implementation in EU countries." Currently, she is leading the scientific project "Horizon 2020" EC2 - Energy citizenship and energy communities for energy transformation (2021-2024). She is a certified Climate Reality Project leader, a member of climate networking in Poland, and a member of the European Association of Environmental and Resource Economists and of the Association of Sustainable Finance and Accounting.



Piotr Wężyk, Ph.D., Eng., prof. at the Faculty of Forestry, University of Agriculture in Krakow

He obtained his doctorate in Forestry Sciences in 1999. In 2013, he received a degree of Ph.D. Professor in Earth Sciences in the scope of Geography (UAM Poznań). Since 2019, he has worked as a professor at the University of Agriculture in Krakow, Institute of Forestry Resources Management, coordinating a module entitled "Urban Forestry". An expert in the applications of geoinformation technologies in the management and monitoring of the environment. His research focuses on, among others, the application of LiDAR laser scanning technologies (ALS, MLS, TLS) in studying the condition of the environment, as well as the application of high-resolution satellite and aerial imaging in the monitoring of the health of forests and classes of land cover. He conducts research in the scope of GEOBIA object-base image analysis; low-altitude applications of BSP platform in the assessment of threats to ecosystems; GIS temporal and spatial analyses (3D/4D) in the scope of transformations of land cover classes; modelling of the quality of life of city dwellers based on 3D geodata on urban green spaces; satellite monitoring of urban green spaces; as well as IT systems for efficient management of green areas in cities.



Krzysztof Masiuk, M.Sc, National Fund for Environmental Protection and Water Management



Graduate of History at the Pedagogical University of Krakow, as well as post-graduate studies at the Faculty of Natural Sciences and Technology at University of Opole. Professionally involved in environmental protection and local government activity. For 20 years, he was the head of the Centre for Supporting Non-governmental Initiatives. He is the person behind multiple initiatives bringing the EU closer during the pre-accession period, as well as the “Eco-Friendly” National Ecological Contest. In the years 2006-2014, he was the Secretary of the National Environmental Council under the leadership of the Wife of the Polish President. Since 2006, a member of the Supervisory Board of the National Fund for Environmental Protection and Water Management as a representative of environmental organisations. For 4 years now, he has been professionally connected with Polish conventional energy and mining sector. A highlander by origin, he is a passionate traveller, sailor and photographer. His work entitled “Fall in Love with Poland by Night” under the honorary patronage of the Minister of Sport and Tourism was considered by journalists one of the best projects outside the country: it was shown at over a hundred exhibitions, e.g. in France, Belgium, Czechia, Croatia, Romania, Bulgaria, USA, UAE and Australia.

Barbara Sak (BE), CIRIEC International

A senior economic researcher and director of CIRIEC (International Centre of Research and Information on the Public, Social and Cooperative Economy). Barbara Sak has taken part and directed a few domestic and international interdisciplinary studies and projects (involving up to 25-50 researchers) in the area of public enterprises as well as public and collective utilities. Since 2007, she has also been focusing on the issues of social economy and social services, as well as on measuring the effect and achievement of Goals of Sustainable Development.



Alain Arnaud, CIRIEC International

The Honorary President of CIRIEC International and the President of CIRIEC-France. Alain Arnaud is a graduate of Economics at Paris-Assas University and Ecole Nationale des Douanes in France. He has held high-level positions in state administration, healthcare, social protection and the financial sector. His professional career started at the Court Department of the National Customs Intelligence Directorate, where he worked as a director and managed the Communications Department of the Ministry of Economy and Finance. Next, he held various positions in the French movement of mutual insurance, including the president and general director of Banque Française Mutualiste, French association of mutual insurance of the civil service (MFP), president of IMM, a hospital of mutual insurance in Paris and administrator at Mutualité Française. He has also been a member of the management board of the French National Fund of Health Insurance. Currently, he is the president of a specialised financial firm Inter Invest. He is also the president of Edgard Milhaud Foundation.



Prof. Bernard Thiry, Ph.D., CIRIEC International



Professor Emeritus and the President of CIRIEC and President of Socofe. He has a doctorate in Economics obtained at Liège University and a scientific degree from Stanford University. Bernard Thiry is currently a professor emeritus, following a long career as an Economics lecturer at Liège University in Belgium. He was the director of Creg (Commission for Electricity and Gas Regulation), president of the management committee of Forem (Public Service for Employment and Vocational Training in Wallonia), president of the National Union of Socialist Mutual Health Insurance Funds (UNMS). In the years 2008-2016, he was the president of Ethias (mutual insurance company). He is a director of a number of regional and local public companies; and since the start of 2022, he has chaired Socofe, a public holding in Wallonia operating in the energy sector. Bernard Thiry was also a CIRIEC director for over 30 years - from 1990 to 2022 - and since 2022, he has been the president of the association. He is also the author of multiple articles and books in various areas, e.g. public and social economy.

Aleksander Lech, M.Sc., Eng. of Landscape Architecture, DAFA Association

A graduate and a freelance lecturer at the Faculty of Horticulture, Biotechnology and Landscape Architecture at Warsaw University of Life Sciences. A landscaping architect with many years' experience in contractor and design firms. An expert surveyor of the Polish Green Roof Association specialising in design (technologies), workmanship (performance, construction), operation (maintenance, care), repairs, revitalisation (modernisation), plant selection. A member of the Association of Landscape Architecture. A participant of numerous international conferences concerning the issues of climate change and ways to alleviate the effects of climate change in cities. Both in his private and professional life, he is an enthusiast and propagator of greenery in urban areas. Technical Director and specialist at GCL company in the area of implementing tree protection systems, greening of roofs and retention of rain water in cities. He is responsible for cooperation with investors, designers and contractors on each investment level, propagating the knowledge about modern solutions applied in landscape architecture.



Tomasz Pyszczyk, M.Sc., Eng. of Architecture, Sustainable Infrastructure Cluster



An architect and co-owner of a design and implementation office Architektura Pasywna Pyszczyk i Stelmach. A member of Sustainable Infrastructure Cluster, and a Certified Designer of Passive Construction and a Certifier at Darmstadt Passive House Institute. An author and co-author of a few dozen designs of passive and zero-energy buildings, including the first public utility buildings constructed under this standard in Poland.

Tomasz Czech, Ph.D., Eng., prof. at the Technology Transfer Centre, University of Agriculture in Krakow



Director of the Technology Transfer Centre at the University of Agriculture in Krakow, a researcher and teacher at the Faculty of Agriculture and Economics, Department of Agricultural and Environmental Chemistry. A doctor of Agricultural Sciences in the Discipline of Agronomy, major in Environmental Protection. Since 2020, a professor at the University of Agriculture in Krakow. Scientific interests: precision agriculture, sustainable agriculture, environmental waste management, technologies in environmental protection and agriculture, use of unmanned aircrafts in agriculture and environmental protection - teledetection. Participant in multiple foreign internships and trainings, e.g.: a 5-month post-doctoral internship at Almeri University (Spain) in a research group under the name "Analytical chemistry of organic contamination;" a 2-month internship programme "TOP 500 Innovators" at Stanford University (USA) connected with the issue of management in science and commercialisation of research results. Completed a training entitled „Leaders in University Management” at University College London. An author and co-author of many scientific papers and teaching material. Leader and lecturer in a few dozen projects and commissioned studies. He teaches the following subjects, among others: Instrumental Analysis, Information Technologies in Environmental Protection, Creativity Workshops, and Self-Presentation.

**Agnieszka Ziernicka-Wojtaszek, Ph.D., Eng.,
prof. at the Faculty of Environmental Engineering and Surveying,
University of Agriculture in Krakow**

The Head of the Department of Ecology, Climatology and Air Protection at the Faculty of Environmental Engineering and Surveying, University of Agriculture in Krakow. She deals with research and teaching encompassing issues such as: changeability of the temperature of air and precipitation in Poland; agricultural and climate regionalisation in Poland; assessment of the qualities and resources of the atmospheric environment for the purposes of shaping the environment; extreme meteorological phenomena harmful to agriculture; modern climate changes and agri-environment effects of global warming; the climate of cities and suburbs; adaptation of urban areas to climate changes; climate of mountain areas; tourist geography; agri-tourism; landscape architecture and garden design.



Wojciech Blecharczyk, Ph.D., College of Economics and Computer Science in Krakow

Doctor of Earth Sciences, academic lecturer at College of Economics and Computer Science in Krakow and AGH University of Science and Technology. In the years 1998-2008, he was the vice-president of the League for Environmental Protection in Warsaw; vice-president of the National Ecological Council in Warsaw (2007-2013). A former local government activist of three terms. A member of the International Green Mayors Association and Alumni Polska, Membership Team Smart Cities World. President of "RH plus" Chamber of Commerce in Krakow. A promoter of the smart city strategy, advocate and propagator of the concept of "Smart City-Smart Villages" local government cooperation, aimed at achieving the welfare of the city and surrounding towns by introducing innovative forms of management and technologies improving the quality of life of the inhabitants. An author of articles and publications in the scope of environmental valorisation and Smart City.



Bartosz Dominiak, M.Sc., Capital City of Warsaw



Deputy Mayor of Ursynów District in the Capital City of Warsaw. Graduate of SGH Warsaw School of Economics in Warsaw (International Economic and Political Relations). He completed post-graduate studies in Forecast, Strategic Planning and Foresight (Collegium Civitas) and in the scope of Law on Environmental Protection and Sustainable Development (Lazarski University). He also completed a course in Executive Master of Business Administration (EMBA). For many years, he worked in central and local public institutions. In the years 2006-2010, he was a councillor of the Capital City of Warsaw. Since December 2018, he has been the Deputy Mayor of Ursynów District in the Capital City of Warsaw through the recommendation of a local association "Open Ursynów." He is responsible for maintaining green areas, accommodation resources, cooperation with local entrepreneurs and cooperation with the Department of Security and Crisis Management. In 2015, he set up the "Smart City Blog" project. A consultant and expert in the sustainable development of cities. He has conducted classes with students as part of subjects covering the issues of development of smart cities and crisis management. A speaker, moderator and participant of panel discussions during numerous trade conferences in the area of development of modern cities.

Sylvia Mikołajczak, M.Sc., RDH Urban Atelier

Since 2008, she has been professionally involved in RDH Urban office, whose roots go back to the Netherlands, currently as the President/ Partner. For the last 19 years, her professional interests have been focused on issues connected with the development and transformation processes of cities, and local and regional management. Her international practice is particularly concentrated on urban management, local cooperation and strategic planning. For over 16 years now, she has been cooperating with Dutch partners in international projects concerning urban planning, water management, and socio-economic development. Sylvia Mikołajczak participates in Dutch governmental programmes and initiatives, maintaining cooperation between governmental, educational and business stakeholders. She actively cooperates with the Embassy of the Kingdom of the Netherlands in Poland, Rijksdienst voor Ondernemend and similar ministries in the Netherlands. Since 2014, as a liaison, she has been involved in activity for Partners for International Business. In recent years, she has been teaching as part of projects in Lithuania concerning urban and socio-economic development, and under a Dutch project of circular economy in agriculture. She performs the function of a Representative of the Dean for an English-language international course Urban Management at Collegium Da Vinci in Poznań.



Piotr Kempf, Ph.D., Eng., Office for Urban Greenery in Krakow



A graduate of the Faculty of Forestry at the University of Agriculture in Krakow. For many years, he has been connected with the Agency for Restructuring and Modernisation of Agriculture. Since 1 July 2015, he has been the Director of the Office for Urban Greenery in Krakow. Since the first day of his work at the Office, he has attached great importance to cooperation with the residents. He listens to their needs and expectations, but also tries to include them in urban greenery projects through a series of actions aimed at activating the residents. As part of a new unit, he has created e.g. the Greenery Conservation Team, equipped with modern equipment, responsible for maintaining Krakow's two oldest parks. He has introduced a new system of agreements with contractors responsible for maintaining green areas in the city, called "Keep the Standard." He keeps coming up with surprising new ideas, energy and positive attitude to the world.

Marcin Wójcik, Ph.D., Faculty of Geographical Sciences, University of Lodz



A professor of Social Sciences in the discipline of Socio-Economic Geography and Spatial Geography. Director of the Institute of Socio-Economic Geography and Spatial Organisation at University of Lodz. A member of Lodz Scientific Society and many national and international associations. His scientific interests focus on the issues of the relationship between society and space on various planes, in particular the socio-cultural and environmental one. An author of about 300 scientific and popular science publications, manuals and expertises. In the scope of studies for socio-economic practice, he is particularly keen on the issue of revitalisation and restoration of cities and villages, and recently the concept of smart development. In his individual and team research work, he deals with the issues of social activation and mobilisation as well as new forms of development of public spaces, which has been reflected in studies inspired by European research projects, such as: “Resituating the local in cohesion and territorial development (RELOCAL); Digitisation: Economic and Social Impacts in Rural Areas (DESIRA)” or “Inner Peripheries: National territories facing challenges of access to basic services of general interest (PROFECY).”

Juan Davi, Sigma Industrial Precision

Business Development European Manager at Sigma Industrial Precision. A Telecommunications engineer at EUITT La Salle Bonanova, he started his career at E.N.H.E.R in a R&D department integrating electronics, communication and control software. He has held important positions at Caixa Terrassa as an AIX and Internet Security expert. Juan Davi has also worked as a director and manager in various energy and ICT firms, with emphasis on business catalyst systems, with small teams of high-quality experts. A Spanish citizen, he has multiple international contacts; he has lived in Poland since 2005. Proactive, creative, interested in new technologies and Smart City.



Patryk Komisarczyk, M.Sc., RH Chamber of Commerce, MICE Polish Cluster



Vice-President of the Management Board of RH Chamber of Commerce; President of MICE Polish Cluster. For over a dozen years now, he has been a working activist on the market of tourism associations. By calling, he maintains cultural heritage by promoting it internationally. He organised the first edition of “Europa na widelcu” project in Wrocław, where, together with Robert Makłowicz, he promoted regional dishes from Wrocław. The youngest lecturer of practical topics at Wrocław University of Economics and Business. A member of an expert committee on employment in the hotel industry; member of a programme committee on tourism development at the City Office in Krakow. A member of the Programme Committee on the Development and Promotion of Tourism at the Marshall’s Office of Lesser Poland Voivodeship. He actively deals with capital investments. He is also a member of the supervisory board of an investment fund.

Janusz Kahl, President of South Poland Cleantech Cluster Sp. z o.o. non-profit



A Danish citizen of Polish origin, born in Krakow, a graduate of Copenhagen Business School with a major in Organisation, Strategy and Foreign Trade. In 1992, he started work as an independent consultant in Poland. As part of his own consulting activity NordicHouse Sp. z o.o. created in 2001, he specialised in starting firms and firm agencies for Scandinavian companies in Poland and coordinating agreements on inter-regional cooperation between the regions of Southern Poland and Scandinavia. He also recruited engineers, doctors and nurses for work in Scandinavia. In January 2014, he created South Poland Cleantech Cluster. The non-profit limited liability company (www.spcleantech.com) cooperates with 30 shareholders, such as clean technologies companies, universities and research institutes, municipalities and NGOs. Currently, the cluster has over 70 members. SPCleantech deals with countering and mitigating global climate change, supporting sustainable and green development of southern Poland, promoting cooperation between SMEs and large companies on the one hand and universities and scientific&research centres on the other hand, as well as supporting start-ups. For many years now, he has been providing mentoring and coaching services in cooperation with a group of Scandinavian mentors. As part of SPCleantech, Pre Acceleration Point was created to build and support the development of an active start-up environment, especially among start-ups at the early stages of concept and development of the business model. He works with international partners, e.g. BLOXHUB in Copenhagen, DK and Munich Urban Colab in Munich on the creation of an urban hub.pl, to serve as a national and international meeting point, getting people engaged in architecture, design and sustainable urban development.

Natalia Sierpińska, M.Sc., Eng., Krakow Metropolis Association

A specialist in the Environment and Space Team of Krakow Metropolis Association. She deals with the issues of space management on a metropolitan level. A doctor of Social Sciences in the discipline of Socio-Economic Geography and Spatial Geography at the Pedagogical University of Krakow. A graduate of Engineering and Master's studies in Spatial Management with a major in Geo-information. Her research interests focus on spatial planning, both on a local and metropolitan level, as well as strategic management in local government units. Her current research encompasses the creation of functional-spatial structures for the strategy of development of municipalities and supralocal development strategies, as well as the effect of strategies of municipal development on sustainable development of cities in Lesser Poland Voivodeship.



Karolina Baron, M.Sc., Eng., Krakow Metropolis Association



A doctor of Social Sciences in the discipline of Security Science, and an academic employee at the Institute of Security and Information Technology, National Security Department at the Pedagogical University of Krakow. A graduate of Spatial Management with a major in Spatial Planning and Engineering, as well as Information Technology with a major in Software Engineering at Krakow University of Economics. Her research focuses on the issues of crisis management in the light of ecological threats; mechanisms of mitigation and adaptation to climate changes; the concept of a resistant city; and all aspects of implementation of the security policy in the process of administering the fabric of cities and regions. As a specialist in environmental and spatial issues at Krakow Metropolitan Association, she tries to combine scientific knowledge with practice, and to realise the mission of striving for climate neutrality of Krakow Metropolitan Area. She conducts studies on ecological safety in the scope of water management in urbanised areas in the context of surplus, deficit or contamination of potable water. Her scientific interests are also focused on the analysis of the role of ICT technologies in shaping the stability of systems and supporting decision-making processes in the scope of national security. A member of the Polish Association of Environmental and Resource Economists - Climate Protection Section and Section for Water Pollution Control Economics. Her publications deal with the issues of the blue&green infrastructure, ICT technologies useful in crisis management, ecological risks and security, and resistance to water threats.

Prof. Sławomir Kalinowski, Ph.D., prof. at the Institute of Rural and Agricultural Development of the Polish Academy of Sciences (IRWiR PAN)

A Ph.D. Professor of Economics, professor at the Institute of Rural and Agricultural Development of the Polish Academy of Sciences, head of the Department of Rural Economics. Secretary of the Scientific Council of IRWiR PAN. His research interests focus on the issues of poverty and the standard of living in the country, welfare economics, Smart Village, income insecurity, and precarisation of rural populations. An author of 140 scientific papers, including a monograph entitled "The concept of SMART villages. Examples from Poland" (2021, together with Ł. Komorowski and A. Rosa), "My situation during the coronavirus" (2021), "Standard of living of rural populations with insecure income" (2015), "Poverty among the rural populations of Greater Poland Voivodeship" (2007). A scientific co-editor of three papers: "Closer to people: a programme for social sciences?" (2018), "Marginalisation and social development: between the present and the past" (2017), "Life on the edge: the outcasts of large city society" (2014). A vice-president of the management board of Rural and Urban Research Foundation. In the years 2009-2015, a secretary of "Social Outcasts of Poznań" Cross-environmental Research Group. An expert at the Polish Society for Social Policy, and a member of the Poznań Society for the Advancement of Arts and Sciences. A project manager under KSOW operation "Smart Village in Poland - selected examples." Privately, a folklorist and choreographer of folk dancing. Home page www.skalin.pl.





Łukasz Komorowski, M.Sc., Institute of Rural and Agricultural Development of the Polish Academy of Sciences

A Master of Spatial Management at University of Warsaw; assistant lecturer in the Institute of Rural and Agricultural Development of the Polish Academy of Sciences. He deals with spatial aspects of socio-economic development, technical infrastructure, local governments, public services. An expert and trainer in smart villages concepts. A secretary of the management board of Rural and Urban Research Foundation. A member of a research team of a project entitled "Monitoring of development of rural areas."



Stanisław Łapiński, Ph.D., Eng., Faculty of Animal Sciences, University of Agriculture in Krakow

A Doctor of Agricultural Sciences, a lecturer at the Department of Zoology and Animal Welfare, Faculty of Animal Sciences, University of Agriculture in Krakow. His research interests focus mainly on the welfare of farm animals and human-animal interactions. A secretary of the National Association of Chinchilla Breeders, which he represented in the meetings of Parliamentary Committees on Agriculture and Rural Development, Local Government and Regional Policy concerning the effect of the breeding of fur animals on local economy in Poland (2017), as well as the Senate Legislative Committee: Consideration of a bill to amend the act on animal protection and certain other acts (2020). He completed National Security post-graduate studies at Vocational Training College (2022). A military enthusiast, an active service soldier and a section leader of the 11th Lesser Poland Brigade of Territorial Defence. Currently, a student of "Agrykola" Territorial Defence Force course, conducted at Military University of Technology in Warsaw.

Łukasz Migdał, Ph.D., Eng., prof. at the Faculty of Animal Sciences, University of Agriculture in Krakow

For the last 10 years, he has been professionally involved in the University of Agriculture. An employee of the Department of Genetics, Animal Breeding and Ethology. His research interests focus mainly on the issues of molecular genetics - searching for markers of utility traits and the possibility to use them to identify falsified feed. He also conducts research connected with the quality and processing of meat and animal products, especially in domestic breeds.



Prof. Tadeusz Juliszewski, Ph.D., Eng., Faculty of Production and Power Engineering, University of Agriculture in Krakow



A professor at the University of Agriculture in Krakow. Doctorate (1981) and habilitation (1995) in Ergonomics. A Ph.D. Professor since 2005. His current scientific domain is Engineering & Technology with emphasis on Mechanical Engineering. Scientific specialisation: biofuels, operation of agricultural machinery, and ergonomics. An author and co-author of approx. 300 scientific papers. A member of a few dozen scientific committees and scientific conferences in Poland and abroad. The head and participant of scientific projects, co-author of Polish and international patents. He has held the following functions, among others: Deputy Dean and Dean of the Faculty of Production and Power Engineering, University of Agriculture in Krakow; Head of the Department of Operation of Machinery, Ergonomics and Production Processes; Chair of the Committee on Ergonomics at the Presidium of the PAS, and later on at 4th Division of Technical Sciences of the PAS; President of CIOSTA (Commission Internationale de l'Organisation Scientifique du Travail en Agriculture); President of CIGR (International Commission of Agricultural and Biosystems Engineering); President of the Scientific Council of Polish Climate Forum (to this day). A member of: the Polish Association of Agricultural Engineering (PTIR), Ergonomics Council of the Polish Academy of Arts and Sciences, Ergonomics Committee of Krakow PAS Office, Polish Association of IT Application in Agriculture, Forest and Food Management (POLSITA), Polish Association of Electromagnetism Application (PTZE). Involved in popularising cooperation with Polish Television.

Stanisław Kowalski, Ph.D., Eng., College of Economics and Computer Science in Krakow



He completed Agricultural Technology studies at University of Agriculture in Krakow. He obtained doctorate (1989) with distinction in the discipline of Agricultural and Forestry Technology. He also completed post-graduate Quality Management studies at Jagiellonian University in Krakow (2004), and holds a quality proxy certificate issued by PCBC. He has passed a state examination for candidates for Supervisory Board Members. His scientific work in the scope of agricultural technology, organisation of agricultural technology and quality management includes over 40 publications. A co-author of 2 scientific monographs. A participant and researcher with over a dozen scientific and research grants. For his scientific activity, he has received 4 rewards of the Rector of the University of Agriculture and a team reward from the Minister. A co-founder, chancellor and then rector of the College of Economics and Computer Science in Krakow, A panellist and moderator during the Economic Forum in Krynica and Karpacz, as well as a member of the chapter of the Investment Forum in Tarnów.

Paweł Krzczunowicz, M.Sc., Agricultural Advisory Centre in Brwinów, Office in Warsaw

Director of the Warsaw Office of the Agricultural Advisory Centre in Brwinów. The office functions as a Central Unit of the National Rural Network (KSOW) and coordinates the Innovation Network in Agriculture and Rural Areas (SIR). For over twenty years, Paweł Krzczunowicz has public managed development funds allocated to Poland and other European countries. He has worked for USAID, for the Polish Government, and in the Financial Mechanisms Office (FMO) created by the governments of Norway, Iceland and Liechtenstein in order to supervise EEA and Norway Funds. He was actively involved in the coalition of Polish social organisations by operating an Office of Polish NGOs in Brussels in order to prepare the third sector for Poland's accession to the European Union. He has worked for the Rural Development Forum (FAOW) and maintains close cooperation with the European Network of the Common Agricultural Policy. He is the initiator of the works of the National Rural Network in the Smart Village approach, and takes part in works under Smart Rural 21 and Smart Rural 27 projects.



Krzysztof Wołos, M.Sc., Wielka Wieś Commune

The Mayor of Wielka Wieś Commune. A graduate of Law at the Jagiellonian University and post-graduate courses: "Academy of a Local Government Leader" at WSB Merito University in Poznań and "Management of Human Resources" at Krakow University of Economics. He holds an international certificate in project management as well as certificates issued by the Ministry of Environment authorising him to manage environmental projects. A member of the Scientific Council of Ojców National Park and of a Council of the Complex of Landscape Parks of Lesser Poland Voivodeship. He supports entrepreneurship and innovation. He pays particular attention to propagating the Smart Village concept within the community of the local Wielka Wieś Commune, which he administers. He initiates actions with a view to developing civic society, e.g. creating the Local Centre of Knowledge and Education or the Wielka Wieś Senior Academy. As an advocate of participatory model of management, he maintains social dialogue with residents already at the stage of design of investments and changes to planning documents to include the local community in the decision-making process. His support in 2020 allowed creating a cyclical fair event under the name "Wielka Wieś Fair," which, apart from the sales of local produce and crafts, includes social initiatives and panel discussions with experts concerning entrepreneurship, ecology, health and culture.





Piotr Sobik, Ph.D., Eng., Helioenergia Sp. z o.o.

A doctor of Technical Sciences and an engineer. He has 10-years' professional experience in conducting B+R works and in the industry of PV module manufacture. A leader of a PV team at Helioenergia Sp. z o.o.

Agnieszka Klucznik-Törő, Ph.D., Eng., International Centre for Entrepreneurship

The Director of the International Centre for Entrepreneurship, a research and development employee of Jesuit University Ignatianum in Krakow; a European Commission expert in the following programmes:

Green Deal, COSME, Horizon 2020 & Horizon Europe; evaluator of applications submitted for "Green Deal" and Horizon 2020 programmes. Currently, a business coach of the European Innovation Council (EIC) supporting the preparation of applications by start-ups and young entrepreneurs to the EIC Accelerator. A business coach of pan-European programmes EIT FOOD (European Institute of Innovation and Technology) in the area of food production, and the Climate Knowledge and Innovation Communities - Climate-KIC, as well as the EIT Strategic Synergies Cluster acceleration programme. Currently, together with a partner institute from Norway - a company Green Transformation AS - she is implementing a project entitled "Development and implementation of innovations - eco-friendly technologies in the form of vertical gardens considering micro-farming" (more at www.ihepi.net). The project is implemented under the "Entrepreneurship Development and Innovation" programme of the Norwegian Financial Mechanism.



Piotr Antończyk, M.Sc., Eng., ALSO Polska

A doctoral student at the Department of Digital Economy Studies, University of Economics in Katowice. His scientific interests focus on the on-line behaviour of enterprises as well as the economic aspects of the Internet of Things, Industry 4.0 and the Smart City concept. He completed technical studies at Silesian University of Technology and management studies at Wrocław University of Economics and Business. He combines scientific development with being an active member of business life. He has almost 10 years of experience in the sales of IT systems and solutions used in Internet of Things projects. Currently, he is a Business Development Manager at ALSO Polska. He provides business partners with sensors and solutions helping them decrease their carbon footprint and achieve other goals of sustainable development. Due to his experience of cooperating with leading technical universities in Poland, he was in 2022 appointed to the Council of Entrepreneurs of Cracow University of Technology, operating within the Faculty of Electrical and Computer Engineering. His hobbies include cycling, going to the gym, and supporting the Poland national volleyball team.



Prof. Jakub Piecuch, Ph.D., prof. at the Faculty of Agriculture and Economics, University of Agriculture in Krakow

The head of the Department of Economics and Food Economy at the Faculty of Agriculture and Economics, University of Agriculture in Krakow. A Ph.D. Professor of Economics. His research interests focus on the processes of socio-economic evolution of today's world. An avid traveller and researcher of societies and economies of developing areas. An author of multiple scientific papers, including 4 monographs: "Spain in the European Union: aspects of regional development," "Labour market in the Mediterranean region," "Regions of Greece, Spain, Ireland and Portugal at a time of crisis from the perspective of changes to the structure of production and employment," "Between the Laptev Sea and the holy sea of Buryats: socio-economic landscapes of Siberia." He runs a blog www.ekonomiaglobalna.eu.



Prof. Grażyna Praweńska-Skrzypek, Ph.D.

A professor of Social Sciences in the scope of management and quality, and a doctor of Earth Sciences in the scope of urban geography. She specialises in the issues of management in the public sector as well as the shaping and implementing of public policies. In the years 1997-2007, a director of the Institute of Public Affairs of Jagiellonian University; in 2008 and 2009, an Undersecretary of State in the Ministry of Science and Higher Education. Until 2021, a head of the Institute of Public Affairs within the Faculty of Management and Social Communication at Jagiellonian University. An author of 275 scientific publications, including the book "Cities with non-harmonised development in the consciousness of the residents (with the example of Polish cities)." Since 2014, a member of Committee on the Management of Culture and Media of the Polish Academy of Arts and Sciences; in 2015-2022, a member of the Presidium of Science Committee of the Faculty of Humanities and Social Sciences of the Polish Academy of Sciences; in 2011-2020, a member of the Central Committee on Scientific Degrees and Titles; a member of the Governing Board of OECD programme "Institutional Management in Higher Education." In 2021, an expert in the project entitled "Capacity Building Programme for Public Administration to Support the Implementation of Actions for the SDGs and Sustainable Development," implemented by OECD for the Ministry of Development and Technology, financed by the EU. In the years 2021-2022, the Chair of a Programme Committee of a cycle of conferences entitled "Social and environmental challenges in managing the development of cities and regions" organised by an informal group of academic, local government and social organisations from Krakow, which resulted in a book entitled "Smart and sustainable cities in the theory and practice of management" (published by IGSiE PAN and WSEI in Krakow, 2023).



Prof. Czesław Nowak, Ph.D., Eng., Faculty of Agriculture and Economics at the University of Agriculture in Krakow

A graduate of the Academy of Agriculture in Krakow (1978), he defended his doctorate in Agricultural Sciences in 1986, and habilitation in 1992. In 2004, he received the Professor title granted by the President of Poland. During his work at the University, apart from domestic internships, he has also completed foreign internships and participated in numerous programmes implemented among others in Switzerland (FAT Tanikon), Ireland (National University College Cork, Teagasc), Great Britain (SAC Aberdeen), and the USA (Purdue University, Ohio State University). In the years 1994-1995, he worked as a translator in the PAEP Polish-American Programme of Agricultural Advisory. Since 1997, he has been cooperating with the United States Department of Agriculture (USDA) and the United States Agency for International Development (USAID) as part of programmes implemented in Armenia, Estonia, Montenegro, Serbia, Macedonia, Kosovo, and Romania. In November 2008, he went on an expert visit to the Republic of Yemen at the invitation of the Minister of Agriculture and Irrigation. In December 2012, he acted as an expert of the Ministry of Foreign Affairs of Poland and the Polish Centre for International Aid under a programme implemented in Bethlehem Governorate on the West Bank of the Jordan River in The Applied Research Institute - Jerusalem Societ, for which he was acknowledged by US partners.



Kazimierz Murzyn, M.Sc., Eng., LifeScience Kraków Cluster Foundation

The President of LifeScience Kraków Cluster Foundation and the Managing Director of LifeScience Kraków Cluster Initiative, a member of SCANBALT strategic group, and a member of the Council of the University of Agriculture in Krakow of the 2019-2020 term. The Chair of the Working Group for "Life Sciences" Smart Specialisation of Lesser Poland Voivodeship. A member of the Council of Sano - Centre for Computational Personalised Medicine - International Research Foundation. He is the animator of cooperation as part of LifeScience Krakow Cluster (National Key Cluster). He deals with innovation and entrepreneurship as well as the transfer of knowledge and technologies applicable in the area of health and life quality. An expert in strategic planning, scenario planning, creative problem-solving, and project management. An expert in the analysing and modelling of complex machine learning systems. He graduated from Krakow University of Technology (Faculty of Mechanical Engineering), as well as Rutgers University, New Brunswick NJ, MIT Sloan School of Management, Cambridge MA.



Prof. Danuta Guzal-Dec, Ph.D., prof. at Bialska Academy of Applied Sciences in Biała Podlaska

A Ph.D. Professor of Economics, a professor at Bialska Academy of Applied Sciences, Dean of the Faculty of Economics. An author of over 80 scientific works in Economics and management in self-governments, including environmental management. She specialises in research concerning the theories and concepts of local development, including in relation to smart development (smart city/smart village), Community-Led Local Development (CLLD) and urban/rural resilience. A practitioner in the scope of expert cooperation for the self-government.



Edyta Sadowska, Ph.D., Institute of Security Sciences, Pedagogical University of Krakow, 60+ Architecture Laboratory Foundation

Ekspertka, An expert, futurologist and assistant professor at the Institute of Security and Information Technology, Pedagogical University of Krakow. She also deals with topics connected with the future, which, in the spirit of “use the future,” she popularises and presents as a sphere that is important already today. In her scientific work, she focuses on topics connected with human security in relation to the challenges of future management. She is also involved in the concept of longevity and the challenges of long-lasting societies. She is the co-creator of the Greener Age project. She is the author of many scientific and popular science publications (Gazeta Wyborcza, ArchiSnob) and a laureate of the Jutrzonauici Gazeta Wyborcza&Kulczyk Investment programme.



Wioletta Kilar, Ph.D., Institute of Law, Economics and Administration, Pedagogical University of Krakow

An economic geographer, academic teacher, head of the Research Team on Education in the scope of Entrepreneurship, assistant professor at the Department of Socio-Economic Geography. In the years 2017-2023, director and deputy director of the Institute of Geography of Pedagogical University of Krakow. A representative of the Rector of Pedagogical University of Krakow for Cooperation with the Union of Universities for the Development of Study Courses in the scope of Space Management; scientific editor of a scientific quarterly “The Works of Industrial Geography Commission of the Polish Geographical Society” and semi-annual magazine “Entrepreneurship - Education.” Her research interests focus on the transformation processes of spatial spaces of industry in various spatial configurations, and their determinants; the shaping and functioning of enterprises (in particular supranational corporations); factors of location and development of international corporations and their offices; innovation of enterprises, national economies and local governments; creation of entrepreneurship ecosystems; changes in the socio-economic development in Poland and other EU countries, with particular attention to the significance of industry and human resources in that process and the issues of education for Entrepreneurship (including soft competences) and Geography on all levels of education (from pre-school to higher education institutions). She is a member of various scientific national and international organisations, including: Polish Geographical Society (PTG), European Regional Science Association (ERSA), American Association of Geographers (AAG), European International Business Academy (EIBA).



Janusz Mazur, M.Sc., Eng., Krakowski Holding Komunalny S.A.

A graduate of the Faculty of Mining and Smelting Machinery (major in Machinery, Systems and Energy Devices) at AGH University of Science and Technology, and of the School of Entrepreneurship and Management at Krakow University of Economics. His entire professional life has been connected with energy and energy efficiency. For over 20 years, he has been involved in MPEC SA capital group in Krakow (10 years as the Head of the Strategy and Promotion Office) and 9 years as the President of the Management Board of a subsidiary of Przedsiębiorstwo Oszczędzania Energii ESCO sp. z o.o.). He has also cooperated with Polish Heat Chamber of Commerce (IGCP) as the Director of the South-Eastern Office; General Electric (Business Development Manager); Krajowa Agencja Poszanowania Energii SA (Krakow Office Director); Przedsiębiorstwo Usług Technicznych sp. z o.o. (subsidiary of MPEC SA in Krakow - Management Board's Energy Proxy), Krakowski Holding Komunalny SA (Deputy Director of the Office for Sales and Trading in Electricity, and Director of the Office for Integration of Energy and R&D Projects). An author of a few dozen national and international publications in the scope of heating, marketing, energy efficiency, electricity market, market and processes relating to the application of the ESCO model, public-private partnership, white certificates, environmental protection, and closed-loop economy. For many years now, he has been cooperating with Krakow Smog Alarm, Regulatory Assistance Project, European Climate Foundation, UN Global Compact, Energy Forum, NCBiR (expert in heating projects), and the Marshall's Office of Lesser Poland Voivodeship (Lesser Poland Regional Group for the Development of Hydrogen Technologies). He organised the first and subsequent Krakow Electromobility, Electricity and Gas Purchasing Groups. He has been developing a hydrogen project at KHK S.A., and promoting the Closed-Loop Economy strategy. He is also involved in social activism, he has been a member of two supervisory boards of housing associations, Vice-President of a Court of Honour of Krakow Chamber of Commerce and Industry. Janusz Mazur was granted the Golden Badge of Polish Heat Chamber of Commerce and Silver Medal for Merit.



Paweł Jastrzębski, Ph.D., Eng., Municipal Heat Energy Company in Krakow

A graduate of the Faculty of Management at AGH University of Science and Technology in Krakow (Finance Management); Tischner European University (Project Management); and University of Cambridge Judge Business School (Business Analytics). A doctor of Technical Sciences, Production Engineering. He gained professional experience by working in local and central administration and in business. Since 2019, he has been managing Innovations Division at the Municipal Heat Energy Company in Krakow. His previous experience includes managerial functions at e.g. Małopolska Agencja Energii i Środowiska sp. z o.o., Grontmij Polska design office, or Kraków John Paul II International Airport. A business consultant and an experienced academic lecturer (assistant professor at the Faculty of Management at AGH University of Science and Technology in Krakow), whose activity concentrates on the areas of risk management and analysis as well as technical&economic analysis. He has extensive expertise in managing comprehensive projects in public and private sector.



Wojciech Racięcki, M.Sc., Eng., National Centre for Research and Development

A graduate of the Faculty of Telecommunications at Warsaw University of Technology. For many years, he has been implementing numerous IT/Telco projects. He has been the head of the Division of Educational Networks at NASK National Research Institute, developing the Polish Educational Network, including the Educational Anti-Smog Network. Currently, he is the Director of the Division of Development of Innovative Programme Management Methods at the National Centre for Research and Development.



Szymon Liszka, M.Sc., Eng., Polish Foundation for Energy Efficiency (FEWE)



A graduate of the Faculty of Electrical Engineering, Automatics, Computer Science and Biomedical Engineering at AGH University of Science and Technology in Krakow; his professional career has been connected with the Polish Foundation for Energy Efficiency (FEWE), where he has been the President of the Management Board since 2005. The Foundation is an independent private non-profit institution dealing with energy, in particular technical, economic, social and environmental issues of sustainable energy management. His professional experience includes both the issues of energy policy, local energy planning, programming ventures in the scope of energy efficiency improvement and clean energy technologies based on innovative financing methods as well as detailed problems connected with energy audits, measurement-based energy diagnostics of facilities and verification of the effects of actions. Szymon Liszka is also the President of the National Association “Respect for Energy and the Environment” (SAPE-POLSKA).

Henryk Kubiczek, M.Sc., Eng., Director of the Corporate Department of Strategy and Development, Grupa Azoty S.A.

Henryk Kubiczek is a graduate of the Silesian University of Technology in Gliwice, Faculty of Automatic Control, Electronics and Computer Science. He also completed post-graduate Business Management studies at the Krakow School of Business. Since 2008, he has been implementing both national and international R&D projects connected with the issues of energy. Today, as the Director of the Corporate Department of Strategy and Development at Grupa Azoty S.A., he is involved in the development of hydrogen economy and energy transformation. An energy enthusiast and advocate of cooperation with start-ups. He is currently looking with interest at the development of Krakow from the perspective of a neighbouring Krakow municipality.



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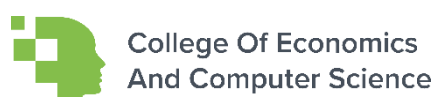


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