

# Annual Report 2024



**PRME** Principles for Responsible  
Management Education  
CHAPTER **POLAND**



## From the Chapter Chair

PRME Chapter Poland (PC PRME) takes the responsibility of developing business leaders who would have ideas of sustainability and responsible entrepreneurship in their minds and hearts through equipping today's students with knowledge, more complex capabilities and – most importantly – the energy and willingness to rescue the world from manmade devastation. Thus, our aim is to promote among students, but also through the entire academic community, knowledge about the importance of acting and thinking in the perspective of the “Common Good” (even at a basic level – in everyday choices) especially when it comes to environmental protection and circular economy seen both as priority for societies and responsibility for business.

Needless to say, cooperation both within individual universities, between universities, relations with stakeholders and in a broader, i.e. international formula is crucial. PC PRME members aim to convince the authorities of their home universities to support and undertake various activities in the area of corporate social responsibility, sustainable development (in particular – ecology), as well as to include content related to this in teaching programmes and projects (including didactic ones) implemented by the academic institutions they personally represent. However we do not forget about the thing which is probably the core of the success – individual everyday choices as economic actors we all – at the end of a day – are. Which means as consumers, families and society “components”, employees, entrepreneurs, workteam or corporate team members, activists and finally as future leaders.

Within the last one-two years PRME Chapter Poland managed to do quite a lot (“quite” taking into consideration very restrained personal, financial and organizational resources we do dispose with). We have completed a few nationwide initiatives. The most remarkable are those we were able to realize only thanks to PRME-i5 Lego Programme and some minor financial support we got from business sponsors – two editions of competition on sustainability and YouTube channel. Our YouTube channel is entitled “Eko-zrównoważeni” (<https://www.youtube.com/@Ekozrownowazeni>) which can be translated as “eco-aware/ eco-balances or eco-sensitive” (in Polish language it is a game of words having a few different but also coherent - in that particular sense – meanings) and has „two legs”. The first is devoted to presenting materials connected to competitions mentioned, the second is a podcast containing interviews with the leaders of the circular economy representing business, institutions and inventors who try to change the Planet. We boast with fairly significant reach on Youtube and TikTok (in the latter we can even talk about “virals” having 100-200 thousands views).

*Assoc. Prof. Agnieszka Domańska-Sikorzak  
Chair of the PRME Chapter Poland*

*Agnieszka Domańska-Sikorzak*

## Poland has always been in the very heart of Europe: mentally, spiritually, politically and socially.

Not only as an empire, i.e. Polish-Lithuanian Commonwealth, covering almost 1 million km<sup>2</sup> in the mid-17th century (which is about 1/4 of the current area of the EU). Above all as the first European democratic and truly multicultural country. Despite a difficult, painful history (only to mention the tragedy of the II WW's German occupation) and the fact that Poland liberated itself from Soviet domination only over three and a half decades ago, Poles have always had open minds, an enterprising nature and active souls "loving freedom".

Thanks to this, although the ideas of social and ecological responsibility first flourished in Western European countries, we do our best not to lag behind. This is reflected in the active involvement of Polish universities in a wide range of activities related to the implementation of the SDG's - both through grassroots initiatives and those created and officially supported by academic authorities.





## PRME Chapter Poland

PRME Chapter Poland (PC PRME) takes the responsibility of developing business leaders who would have ideas of sustainability in their minds and hearts through equipping today's students with knowledge, more complex capabilities and – most importantly – the energy and will to rescue the world from manmade devastation. PC PRME Steering Committee consists of scientists representing all the main economic universities in the country, some of which are the institutional members of PRME. Both the members of Steering Committee and the Scientific (Advisory) Council are outstanding researchers and academic teachers, most of whom have numerous scientific and organizational achievements in the field of research and promotion of sustainable development and corporate social responsibility. They include economists, chemists, engineers, environmental protection and agribusiness specialists.

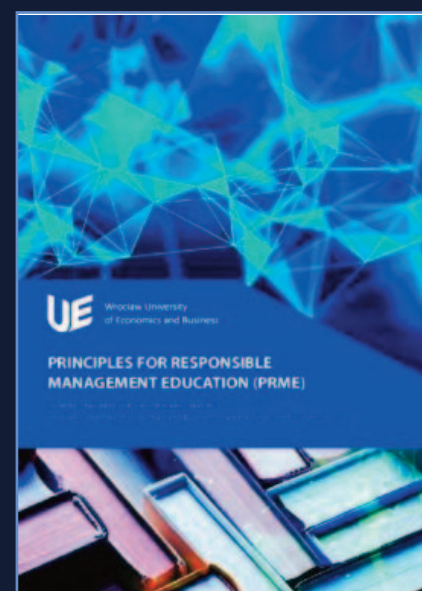
The wealth of initiatives of Polish HEIs represented in the PC PRME in the field of social and ecological responsibility is enormous and diverse. Economic and business universities that are signatories of PRME and/or whose representatives sit in the PC PRME Steering Committee, implement a significant number of projects, programs and activities. They prepare and publish reports showing their commitment to the practical implementation of Six PRME Principles on education and research areas. Some activities are undertaken at the national and inter-university level. One of the most important is the activity of the Working Group for the Social Responsibility of Higher Education, established in 2017.

This body operates at the Team for Sustainable Development and Corporate Social Responsibility, an auxiliary body of the Minister of Funds and Regional Policy, constituting a platform for cooperation between the entire government administration and representatives of business and socio-economic partners. The aim of the Working Group is to disseminate the principles of social responsibility of universities, which were defined by the academic community in the Declaration of Social Responsibility of Higher Education Institutions (more information: <https://www.krasp.org.pl/resou....> ).

The Declaration is a voluntary commitment of universities to promote the idea of sustainable development and social responsibility in their educational programs and management and organizational solutions. It consists of a strategic and systemic approach to university management, building cooperation and dialogue with stakeholders, which contributes to:

- sustainable development,
- shaping the values and attitudes of civil society,
- supporting academic values and creating new ideas,
- maintaining and developing scientific and didactic competences that affect the effectiveness of operations and innovation.

The number of projects, programs and actions in this area is enormous. The PRME signatory economic and business universities whose representatives are members of PC PRME Steering Committee implement a significant number of projects, programmes and activities. These universities prepare and publish reports showing their commitment to the practical implementation of the principles of sustainable development and educating young generations in the spirit of responsibility for the social and natural environment.



## Initiatives and projects

In 2023-2024, PC PRME implemented - largely thanks to the support of the i5 Lego fund and the assistance provided by the Rector of SGH Piotr Wachowiak and business sponsors several significant projects. The originator of many of them is the president of PC PRME, dr hab., prof. SGH Agnieszka Domańska-Sikorzak, but it would not have been possible to implement them without the cooperation of other members of the Steering Committee and their universities. So we worked together as a team. Against this background, the activity of the University of Information Technology and Management in Rzeszów stands out in particular, which was responsible, among other things, for the entire administrative and, to a large extent, organizational support for the implementation of the i5 Lego project in Poland.

**i5PRME**

**SGH**  
Warsaw School  
of Economics



**UNIVERSITY of INFORMATION  
TECHNOLOGY and MANAGEMENT**  
in Rzeszow, POLAND

# National Competitions on Sustainable Economy and Sustainable Life

In 2023, we launched an initiative for a national competition for students, planned as a cyclical event.

National Competition 1<sup>st</sup> edition SGH-PRME (announced in 2023) entitled „Sustainability in Your daily life” was coorganised by PC PRME and SGH Warsaw School of Economics.



Call for works:

**Our World** – a beautiful green planet is shrinking not because we have reached its most remote regions. It is shrinking because the human being – the only “thinking” creature – destroys, demolishes and pollutes it without any restraint. Allegedly in the name of “development”. None of us alone can do much to stop the actions of corporations or corrupted governments dealing with big business. However, we can absolutely do a lot on our own – in our lives, in our closer or more distant surroundings – by acting in such a way as to limit the drain on resources. In the name of sustainable development: our small home or local, but also the great global world. There are plenty of ways and ideas. **Show us what is yours!**



The initiative met with great interest from students from all over the country, who submitted a total of almost 90 works in three categories: film, presentation and poem on the topic:

**"how I implement the principles of sustainability in everyday life".**

The competition jury included representatives of the Steering Committee (Board) of the PRME Chapter Poland, as well as representatives of the sponsors of the entire initiative and other invited people (e.g. from NGOs promoting CSR or the circular economy).

<https://www.youtube.com/@Ekozrownowazeni>

<https://eko-zrownowazeni.pl/>

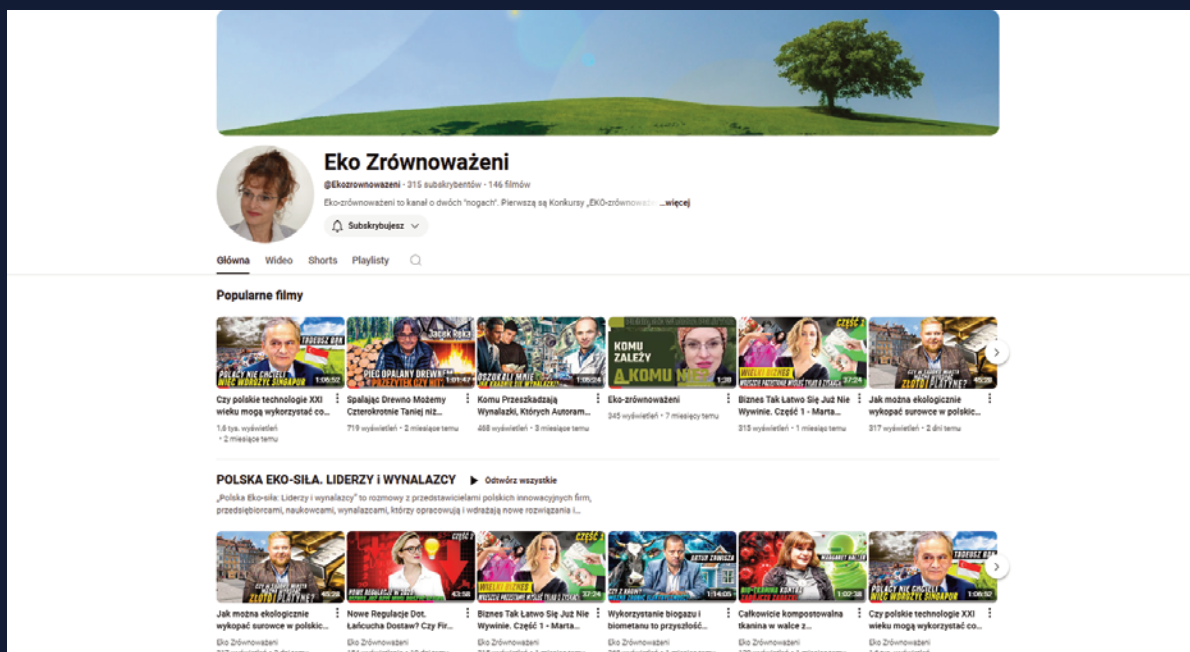
The results are also available in the Competition tab on the SGH website:

<https://www.sgh.waw.pl/konkurs-prime>



**EKOZRÓWNOWAŻENI**





<https://www.youtube.com/@EkoZrownowazeni>

Wspierające nas firmy działają dla gospodarki obiegu zamkniętego, m.in. oferują refilling opakowań, dzięki czemu zmniejszasz użycie plastiku!

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## KONKURS

### LIDER ZRÓWNOWAŻONEGO ROZWOJU: DZIŚ I W PRZYSZŁOŚCI

skierowany do młodzieży i studentów. Jego naczelnym hasłem jest  
**„Lider jest w TOBIE – przyszłość jest w NAS”.**  
 Wyrósł on z Konkursu SGH-PRME „Rozwój zrównoważony w życiu codziennym” (I edycja).

**Lider** to człowiek, który rozumie, że jego działania mają moc. Może i potrafi obudzić w innych motywację i inspirację do wspólnych działań na rzecz planety, zrównoważonego rozwoju i biznesu.

**W II edycji rozszerzamy ideę i pytamy młodych ludzi, w jaki sposób już DZIŚ jako PRZYSZLI LIDERZY realizują zasady eko i sustainability lub jak widzą tę swoją rolę w przyszłości.**

**Weź udział w Konkursie „Lider zrównoważonego rozwoju: dziś i w przyszłość” i pokaż nam kim według Ciebie jest Lider przyszłości dzisiaj jako młody człowiek oraz jutro jako prezes, dyrektor czy manager.**

<https://eko-zrownowazeni.pl/>

The closing and award ceremony of the 1<sup>st</sup> edition took place on June 6<sup>th</sup>, 2024. During the ceremony, the works of the winners were presented, who by decision of the competition jury received awards, special prizes and distinctions in the categories of "film", "presentation" and "poem".

Part of the event was also a panel discussion entitled **"Leader of sustainable development today and tomorrow: how to shape pro-ecological and pro-social attitudes among young people"**.

Here are links to the YouTube video and the report from the event.



<https://www.youtube.com/watch?v=F6esQGy49jA&t=12s>

Panel discussion: **"Leader of sustainable development today and tomorrow: how to shape pro-ecological and pro-social attitudes in young people"**

#### Participants:

**Katarzyna Mazurek** – Vice-President of BGW Sp. z o.o.

**Jan Falkowski** – President of JanPol Technologies;

**Wojciech Dereszewski** – Promyk Energii Foundation, JanPol Technologies;

**Adrian Komenderski** – founder and co-owner of BioOrganika

**Adam Hańderek** – president of Handerek Technologies and director of USE WASTE PROSTA S.A.

**Aneta Stawicka** – communications and education manager, Rekopol Organizacja Odzysku Opakowań S.A.

**Ursula Jóźwiak** – president of the board of the XBW Ignacy Krasicki Foundation, expert of the ESG Institute; CSR Report.

**Piotr Glen** – SGH Social Responsibility Committee

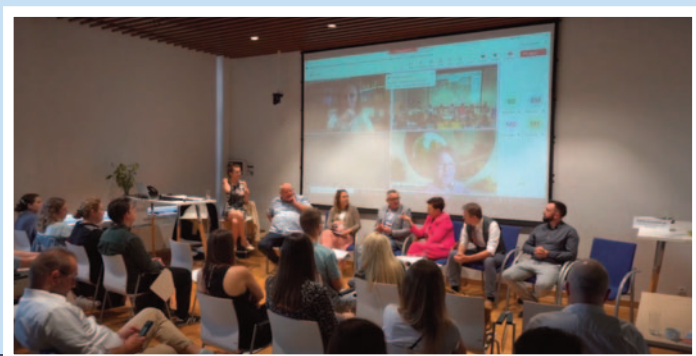
**Paweł Stachów** – Biovalley

#### Online participation:

**Dominika Thiel** – EHS & Sustainability Manager Fiberhost S.A.,

**Małgorzata Haller de Hallenburg** – CEO Biovalley

**Barbara Kryk** – Polish Association of Environmental and Natural Resource Economists



In August 2024, we announced the 2<sup>nd</sup> edition of the Competition (which somehow grew out of the 1st edition) under the theme **“LEADER OF SUSTAINABLE DEVELOPMENT: TODAY AND IN THE FUTURE”**. This time we are expanding the idea by asking young people how they do implement TODAY as FUTURE LEADERS the principles of ecology, sustainability and responsibility or how they see their role and actions on this field in the future.

### The call for works stands:

A leader is a person who understands that their actions have the power. Leaders can and do inspire others to act together for the planet, sustainable development and business.

Take part in the "Leader of Sustainable Development: Today and in the Future" Competition and show us who you think the Leader of the Future is today as a young person and tomorrow as a president, director or manager.

**"The leader is in YOU - the future is in US"!**



**KONKURS**

**LIDER ZRÓWNOWAŻONEGO ROZWOJU: DZIŚ I W PRZYSZŁOŚCI**

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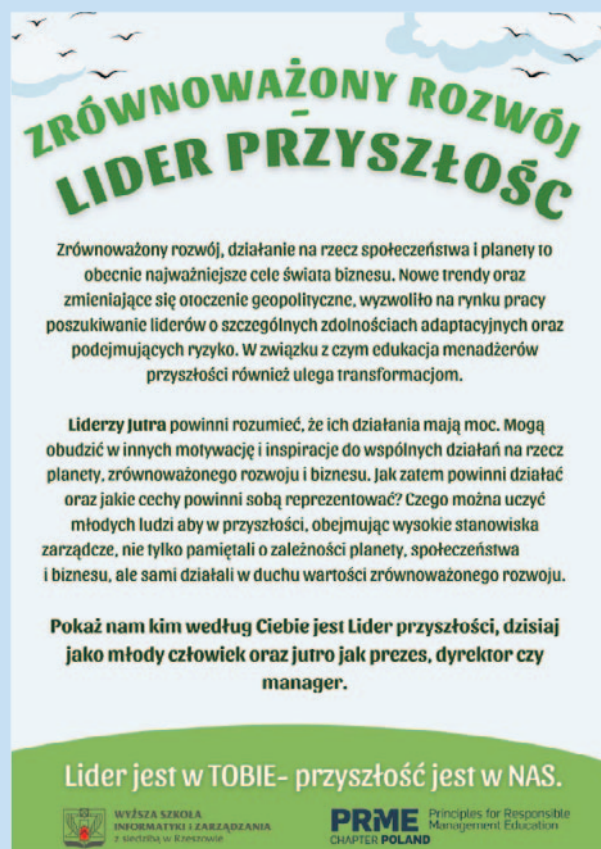
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The competition task is a work in one of five categories:

- a) Short film (3-4 min)
- b) Power Point presentation (10-15 slides)
- c) Poster
- d) Photo collage
- e) Poem

The organizer is PRME and the University of Information Technology and Management in Rzeszów, and the entire project is co-financed by the LEGO Foundation from the i5 Lego program.





On “Eko-zrównoważeni” YouTube channel you will find interviews with inventors and companies whose products build circular economy. We also talk to representatives of important industry organizations, e.g., waste recycling (Polish Recycling Association), consultants (e.g., from Deloitte) active on the field of zero waste economy, who – among others - have been teaching companies how to produce in a sustainable, responsible and environmentally friendly way for years.

Here are some examples:

**How Can You “Excavate” Raw Materials Ecologically in Cities? Dawid Sikora (Elemental Strategic Metals)**

Elemental Strategic Metals Elemental Group is one of the leading Polish companies dealing with recycling of electronic and electric waste. In July 2024 Consortium opened a plant in Zawiercie (Upper Silesia) that will account for 10% of the world's (!) regain of precious metals, including rare earths elements from electronic garbage. It is one of the world's most modern plants implementing so called “urban mining”. Urban mining means obtaining the valuable raw materials by “digging them out” not from the ground, but from electronic waste dumps from households, industry, economy. Thanks to that, in practice one can recycle and reuse up to 100 percent of materials which instead would go into “mountains” of polluting garbage produced by humans. It can be said that mines here are electronic garbage or landfills, and the providers of resources are all of us. Thus we have a circular economy and a classic win-win! The environment benefits, because there is no need to launch a destructive industry or consume additional energy, no need to transport over long distances or dispose e-waste in a way destructive to nature. Society also benefits, because we obtain the needed raw materials at a much lower cost and with a lower carbon footprint.

Last but not least, it turns out that Poland is emerging as a European and world leader in urban mining. Thanks to companies such as Elemental Strategic Metals, Poland will play a significant role in Europe's zero waste economy and make a significant contribution to the European Union's raw material independence. **We invite you to listen to an interview with Dawid Sikora - Director of Marketing at Elemental Group – who reveals a new dimension and a new quality of recovery of recyclable materials from consumer electronics!**



## ReFill as much as you can!

**Bioorganica – an interview with a local store owner where you can refill everything!**

Plastic everywhere. Plastic “pounding” not only in cities and their outskirts around the world, but in forests, deserts, meadows, virgin scrub - everywhere where there should be only beautiful nature. Nature that is a gift to human being (...) Plastic as the bane of our time and our future.

However, there are a range of ways to reduce its consumption in our everyday life. Ways that everyone can implement as good practices in daily routine. They are simple! And one of the most effective is refilling – so as not to buy more plastic bottles and other artificial package.

Twelve years ago Adrian Komenderski and Marcin Milczarek founded and now successfully run in Warszawa a store called Bioorganika that allows refilling into jars, bottles etc. brought from home all kinds of liquids for beauty care and hygiene, as well as laundry detergents, cleaning products for home etc.

Listen to an extremely interesting conversation! Find out how many fewer plastic packages you can save the environment if you put refilling into practice. And what are the chances of it to become your regular habit?



## Fast Fashion Has Been Destroying Nature and Human Health for Years – What Can We Do?

### Agnieszka Dziedzic (Vive Textile Recycling)

What the fashion industry has done to us is downright hard to imagine. It's not only about devastating nature: poisoning rivers and air, but also telling millions of people around the world that, against common sense and real needs, they should take their own clothes to the dump at least twice a year because... a NEW COLLECTION has appeared!

The implications? The world produces 100 billion pieces of clothing annually (!) – most of which are never purchased or are thrown away soon after purchase. In turn, less than 1 percent of unpurchased clothing is recycled (made into new fabrics and clothes). The rest ends up in landfills, including large piles in the Atacama Desert. Clothing produced today is also ABSOLUTE CHEMICAL! It is sewn almost exclusively from artificial fabrics (made from petroleum, see polyesters), dyed with toxic dyes using millions tons of precious water. Therefore, the disposal of all this is harmful emissions into the air, poisoning a groundwater (including lead, arsenic and mercury), and finally – death of natural environment and diseases.

But “fashion” is harmful even at the very stage of its creation: an estimated 20 percent of global water pollution is associated with the production and dyeing of clothes. During these processes, microplastics are also released and end up in groundwater. Nearly 200 tons of potable water are used for every 1 ton of clothing produced. Bringing this down to a more “human” scale: producing one t-shirt is 2700 liters of water - that's as much as one person need on average in two years! But the fashion industry also poisons the air... (...).

We talk about all this with Agnieszka Dziedzic of Vivo Textile Recycling. Founded in Poland, Vive is one of the world's leaders in selling and recycling used clothing - so that it doesn't end up in the Planet's trash heap, but for reuse!



### Fully compostable fabric in the fight against infection and sepsis – Margaret Haller

A brilliant invention that can save thousands of lives and reduce medical waste - an interview with Margaret Haller. Malgorzata Haller, together with a team of scientists from the Technical University of Łódź (consortium of BioValley and Łódź University of Technology), has developed a unique patent for bio-textile: fully biodegradable. It will decompose in the environment like a leaf (😊!), because it is 100% organic (composed of wood fibers and shrimp shells). Widespread use of this fabric called BIONINA can reduce to a minimum textile medical waste (medical aprons, bedding in hospitals etc.), which currently - produced de facto from plastic (polymers) catastrophically litter the environment. But it's not over yet. Scientists have developed additional ways for businesses to reuse it. So we have CLOSED-CYCLE ECONOMY at its very best! In addition, the fabric is aseptic, meaning that no cultures of bacteria and other microorganisms, which can be and often unfortunately are lethal to humans, "grow" on it. This has a potential to save millions of people who die of peri hospital infections.



The initiative “Polish Eco-Power. Leaders and Inventors” is being implemented by PRME Chapter Poland and the School of Information Technology in Rzeszow <https://wsiz.edu.pl/> as part of the project The Impactful Five (i5): Learning in Leadership Education. Podcasts recommended as educational material for high school and college students.

Eco-sustainable is a project carried out pro-publico bono. We do not promote companies, brands or entrepreneurs on the channel. The channel is not sponsored by any business. We want to show solutions and products that actually work and actually support circularity, sustainability, responsibility and the ZERO WASTE economy!



**EKOZRÓWNOWAŻENI**

**Polska eko Siła**  
liderzy i wynalazcy



*“We imagine a world where business leaders are equipped with holistic skills. We imagine business school educators - in all subjects, at all levels - preparing students to be these leaders through application of the impactful five (i5) pedagogical approach”(Principles for Responsible Management Education)*

## **POLAND'S ECO-POWER: LEADERS AND INVENTORS” WITHIN “EKO-ZRÓWNOWAŻENI”**

Project realized by PRME Chapter Poland in cooperation with WSIZ (University of Information Technology and Management, Rzeszów) and SGH Warsaw School of Economics.

### **How PRME Chapter Poland implemented (i5) Impactful 5 Practices for teaching responsible leadership (PRME-i5Lego Project):**

“Eko-zrównoważeni” Project (later as “Project”) as a wider initiative combines two sub-projects. In other words it has two pillars or “legs”.

The first is all-Poland competition “**Sustainability Leadership: Today And In The Future**” being factually the continuation (second edition) of PRME-SGH competition “Sustainability in Your daily life” realized in 2024 (i.e competition first edition substantially supported by SGH’s Rector). Its overarching slogan of is ‘**The leader is in YOU – the future is in US**’.

The second is ‘**Poland's Eco-power: Leaders and Inventors**’ talks (i.e. podcast channel) on YouTube entitled “eko-zrównoważeni” (eco-sensitive/eco-vulnerable/eco-aware) opened in 2024. The channel features interviews with representatives of Polish innovative companies, entrepreneurs, scientists, inventors who develop and implement new solutions and technologies that foster environmental protection especially in circular economy. The inventions and undertakings that could change today’s world so that it becomes less polluted and contaminated with man-made waste. The primary concern of eko-zrównoważeni is to promote everything that contributes to the creation of a Circular ECONOMY and a ZERO-WASTE solutions and business practices, however it touches various other aspects of sustainability. In this way Chapter Poland created useful ready-to use source of information, inspiring case studies and good practices to be discussed and tackled at various courses on economics, management, business etc. to enrich the lectures’ content with sustainability and social responsibility-related issues and themes.

**Links:** <https://eko-zrownowazeni.pl/>

<https://www.youtube.com/@Ekozrownowazeni>



The decision to create such open-access base (YouTube channel) and combine it with action that could engage wider young audience (Competition on leadership) resulted from Chapter's intention to satisfy "Five Impactful Practices" to the greatest extent possible. It has resulted from a few discussions among the Steering Committee's members which made us conclude on the need to realize the project having possibly the widest impact, i.e. not only for restrained group of academic teachers but through its accessibility and reach via www and social media and widely recommend and promote its results among academics in Poland (mainly economics and business HEIs). Since we - as a chapter – neither have competences to directly influence or intervene (change, modify etc.) the content or curricula of the courses taught nor persuade academics to include sustainability-related issues into their schedules, the core thing was to offer materials (teaching aids) ready-to-use during classes. Materials to be benefited from as case studies, practical examples or good practices to be presented, tackled or discussed at many various courses on economics, international economics, business, management and other. Accent has been put on **inspirational character** of the aids according to key goal to transform students' attitudes (thanks to real and practical examples) and **intention to make it long-standing process that could be addressed continuously and repetitive**.

At the same time the idea was to engage academia' stakeholders (like the responsible business leaders, NGOs, institutions, activists etc.) to possibly biggest extent and most effective way (to the benefits for all actors of universities' ecosystems – especially students). Thus the combination of two sub-projects: YouTube channel (called "eko-zrównoważeni", i.e. eko-sensible/eco-vulnerable) and all-Poland competition ("**Sustainability Leadership: Today And In The Future**") open for all business and economy schools integrated in PRME and PRME Chapter Poland. Both initiatives have been essentially closely related and intertwined in meritorical sense since the **competition is about leaders and podcast channel is about leaders**. Returning to the ultimate goal which has always been to impact/ change students' mindset and shape it using the examples of the real leaders of sustainability and social responsibility we intended to make the audience be not only inspired and creative but also provoked and critical. We think the best way to change/modify young peoples' views and approach to future carriers – and more generally life in its various aspects – is to show them the cases (initiatives, business projects, companies) taken from real world together the genuine leaders their tangible achievements as guiding lights.

Our approach has been intended to guide students, not make them "solve" theoretical non-existing problems. In this way the project "eko-zrównoważeni" satisfies the assumption of the "Meaningful" teaching as the one guiding students in critical reflection that surfaces their values, beliefs, and theories. Moreover the Project encourages young people to verify their opinions through the lens used by living leaders of sustainability with special attention put on zero-

waste economy and business. Practically the cases presented in podcast interviews attune to students' backgrounds and interests thanks to opportunity of discussing the topics and problems touched on the channel.

The project itself facilitates an active engagement of students during classes and outside by participating in the Competition "Sustainability Leadership: Today And In The Future" and in this way automatically integrates dynamic "hands-on" and "minds-on" real world experiences that engage students in active problem-solving.

When preparing their works and benefitting from the source of information and examples presented in interviews students connect with leaders, businesses, activists, organizations and other stakeholders to examine problems from inter- and transdisciplinary lenses. Moreover, although the focus or axis of talks on YouTube *eko-zrównoważeni*, is put on environmental responsibility and building circular economy, the general question put against in the Competition involves the wider idea of sustainability or "being sustainable".

Design for iteration in *Eko-zrównoważeni* considers mainly the possibility of getting feedback on the works submitted to Competition "Sustainability Leadership: Today And In The Future". The works are presented in the *www.* dedicated to the Project <https://eko-zrownowazeni.pl/> enabling the long-run insights into some progress made by students in the respect of their mindset change (hopefully – even the transformation). All interested are able to look into works presented in previous editions in order to get inspired and create their own broader, open-minded and more elaborated ideas.

YouTube channel is designed as a source of inspiration and positive thoughts on sustainability in its very essence which is "different approach to life today and in the future" (in various aspects). This kind of transferring the practical knowledge on sustainability (i.e. via existing businesses, organizations and their achievements) enables commenting and discussing the presented talks and automatically plays the role of supportive interaction. Since *Eko-zrównoważeni* channel is recommended as a ready to use teaching aid it automatically provides an opportunity for listening, observing and communicating individual thoughts and impressions within courses' groups as "the learning communities".

We hope the "two-legs" project realized by Chapter Poland within PRME-i5 Lego Project contributes to joy and fosters wellbeing, among others by the feel of being the part of something bigger. Discussion on the contents of podcast interviews (during classes, students' groups or in "comments") usually provides positive examples of how "Word becomes flesh", i.e. how sustainability as an idea can be practically and tangibly transformed into action or business. In this way 'Poland's Eco-power: Leaders and Inventors' provokes young people to some reflection "how can I add my own brick" or make my own impact on the well-being of others and the world around. This kind of thinking always and from its nature stimulates optimism and enthusiasm.

## International Day Without Electronic Waste – "Track electronic waste with us" at SGH

PRME Chapter Poland co-organized holding the **International Day without Electronic Waste (MDBE)** globally celebrated on October 13th. MDBE was organized by PC PRME together with Elektroeko, which has been the main organizer of MDBE on behalf of UNEPGRID (UN Environment Programme) for many years and as such represents this UN Agency in all actions connected to MDBE.



The event was held on October 9<sup>th</sup> (coorganised by SGH Warsaw School of Economics and PRME Chapter Poland) accompanied by a few actions and initiatives. Among others there was displayed a special exhibition at the SGH main building “parachute hall” showing how important it is to properly segregate electronic waste and what significance it has from the point of view of environmental protection and building a circular economy. An interesting conference, consisting of several discussion panels entitled “Track with Us Electronic Waste,” devoted to the problem of electronic waste and the circular model of electronic waste management was also organized by this occasion. Additionally, in many places on the SGH campus, special containers were placed for a few weeks, where electronic waste could be disposed of.

Three days earlier, the SGH Warsaw School of Economics hosted the conference. The event was accompanied by an exhibition in the Parachute Hall showing the process of recovering raw materials from electronics and household appliances.

Opening the conference, SGH Chancellor Dr. Marcin Dąbrowski emphasized that the university takes ecological issues and partnerships that allow it to participate in the green transformation very seriously. He pointed out that in recent years, SGH has produced and professionally recycled 16 tons of electronic waste.

Director of the UNEP/GRID–Warsaw Center Maria Andrzejewska emphasized that only a combination of educational institutions, businesses and social organizations can bring concrete results. The UNEP/GRID Center is an affiliated center of the United Nations Environment Program (UNEP).

In turn, the president of ElektroEko, Grzegorz Skrzypczak, drew attention to positive changes in social awareness – over the course of about a decade, the percentage of people declaring that proper care for the processing of electronic waste is important has increased from about 1% to almost 50%. Skrzypczak noted, however, that convincing the other half will be an even more significant challenge in the context of the ambitious environmental plans of the European Union and Poland as its member.

During the event, it was recalled that according to the latest report "Global E-waste Monitor 2024", 62 billion kg of electronic waste was generated worldwide in 2022. It is as if 1.55 million trucks filled with electronic waste were placed along the Earth's equator. Unfortunately, the forecasts are not optimistic – it is predicted that by 2030 the amount of e-waste will increase to 82 billion kg. One of the main points of the conference was a discussion entitled "Circular life of electronic waste", moderated by the president of PC PRME Agnieszka Domańska-Sikorzak.

Panelists: Grzegorz Skrzypczak, Jacek Łegiewicz (Samsung) and Dawid Sikora (Terra Recycling) discussed the role of recycling in the circular economy and the challenges related to electronic waste management in Poland: the need for new investments and barriers to development. One

of them is thinking about old equipment primarily in terms of a problem that needs to be disposed of, rather than an important source of valuable raw materials that can be recovered.

The discussion was attended by Magdalena Olborska (Samsung), Anna Podsiadło (ElektroEko) and Piotr Glen (SGH). The panelists agreed that building ecological awareness from an early age is key.





Finally, Michał Zieliński, from the Uwolnij Złomka (#UwolnijZlomka) initiative, presented the "Second Life of a Computer" project, which gives a second chance to old devices, contributing to the reduction of electronic waste. Thanks to this initiative (started during COVID-19), computer equipment is being revitalized and donated to those in need. Extending the life of laptops reduces, among others, the demand for natural resources and reduces CO2 emissions related to long-distance transport.



### **Program of the MDBE conference entitled Circular life of electronic waste:**

Keynote speech: WEEE (Waste Electrical and Electronic Equipment) and recycling. What are the obligations and possibilities of Extended Producer Responsibility proper implementation?

Grzegorz SKRZYPCZAK, President of the Management Board, ElektroEko SA

09:50 | Special guest speech

Anita SOWIŃSKA, Undersecretary of State, Ministry of Climate and Environment

10:00 | Discussion Panel "Environment for Progress. Look at the Regulatory Challenges and Development Opportunities".

10:20 | Lecture: The Importance of Investment in Recycling for the Polish Economy (Based on the Example of Elemental Group Investments)

Dawid SIKORA, Sales Department Director at Terra Recycling, Elemental Group

11:40 | Lecture: Recharging with Knowledge. On New Requirements for Batteries and Accumulators

Michał KORKOZOWICZ, Expert, Environmental Protection Committee of the Polish Chamber of Commerce

12:00 | Lecture: Packaging - A New Pack of Responsibilities. What the Industry awaits?

Dominika KRÓLIK, Attorney-at-Law, Expert Associate at Andersen Tax & Legal Matyka i Wspólnicy sp.k., Founder of the Królik Legal Law Firm

12:20 | Lecture: The Right to Repair, What Does It Mean? Uniform USB-C charger, ecodesign requirements

Dawid KRAKOWIAK, Leader of Environmental Practice, Senior Associate, DLA Piper

1:00 PM | Keynote: How to educate about electronic waste? Case study Centrum ElektroEkologii

Anna PODSIADŁO, Marketing Manager, ElektroEko S.A.

1:10 PM | Discussion Panel: Education. There is no responsibility without awareness. On education, benefits and obligations

Moderator: Assoc. prof. Agnieszka Domańska-Sikorzak; panelists: Grzegorz Skrzypczak (ElektroEko), Jacek Łęgiewicz (Samsung), Dawid Sikora (Terra Recycling)

## Who cares about a TV in the trash?

An interview issued in “Gazeta SGH” on the occasion of MDBE

Does segregating electronic waste make sense? About this and the International Day Without Electronic Waste, which SGH joined in celebrating this year, Anna Podsiadło (AP), marketing director at Elektroeko, talks to Prof. SGH Agnieszka Domańska-Sikorzak (ADS), president of PRME Chapter Poland.

ADS: if I wanted to stick to academic habits, I should start our conversation with a question about definitions and ask what electronic waste practically is. But I would like another issue to be raised right at the beginning. So I will ask directly: why should we collect and segregate electronic waste? Why "struggle" with taking things like a vacuum cleaner that no longer works, a broken microwave or an electric foot massager to PSZOK (Selective Collection Point for Municipal Waste) or giving them to places marked as "electronic disposal container"? Is it not better just to take them to the usual waste bin, because someone will take care of it for us anyway – just like any other waste?

AP: This is a key issue and I'm glad you asked about it at the very beginning. The shortest answer is this: If we give or throw these things to the right place, point or container, then – as you can say figuratively - they will then be disassembled "into the first particles", so each, literally each of their components will be dismantled, taken out, selected, separated from the rest.

ADS: Sounds interesting, but what next?

AP: And here begins a fascinating story about how and why all these elements or components of waste become valuable raw materials that will go to manufacturers to be used again and again. Because in practice Industry, factories, production plants can use and process it again into a new product. Ordinary people generally are not aware that everything can be extracted and then used from electronic waste – not only valuable copper, lead, cadmium, nickel, other semi-precious metals, but also, for example, rubber tubes protecting cables, glass from monitors, and even

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### Komu przeszkadza telewizor na śmietniku?

Gazeta SGH  
03.10.2024



Czy segregowanie elektroodpadów ma sens? O tym i o przypadającym 13 października Międzynarodowym Dniu bez Elektrośmieci, w obchodzenie którego włączyła się w tym roku SGH, z Anną Podsiadło, kierownikiem marketingu w firmie Elektroeko, rozmawia prof. SGH Agnieszka Domańska-Sikorzak, prezes PRME Chapter Poland.

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plastic casings of TVs or computers. So these are all kinds of semi-finished products, materials and raw materials. Imagine that in modern processing plants all these processes are automated: there are special machines that can disintegrate the heaviest equipment. For example, in one of such plants there is a special device for washing machines: they enter the interior on a special belt and then are literally ground. On the sidelines, I talked about such plants and machines in the podcast "Polska Eko-Siła. Liderzy i wynalazcy" on the YouTube channel Eko-zważeni, where I talk to the professor. To sum up, here we have the Circular Economy in its full form!

ADS: Circular Economy as in fact the only real way to stop polluting nature, destroying it and disfiguring it with garbage and waste. Since we really have to produce and consume in such excess, let's use what we have already obtained, included in the economy of "homo sapiens", let's make sensible use of it again. So I understand that when it comes to these electric products, we can talk about circular economy?

AP: Of course. And this is primarily due to the appropriate regulations, which have been systematically implemented for over twenty years and which initiated, for example, the creation and activity of organizations such as ours.

ADS: I am very interested in this whole process, how it is done in practice and which entities are part of the whole system thanks to which we can process this used washing machine back into raw materials and, as a result, other products. And where in this whole chain of "making new from old" do companies like Elektroeko fit in? But let's get back to the definition of what we are talking about here... is it electronic waste?

AP: Electronic waste or electronic waste is - to put it simply - "everything that goes into a socket or runs on a battery". In everyday life, we primarily associate them with large RTV or household appliances, such as televisions, refrigerators, washing machines or computers, but we forget about such small things as batteries, fluorescent lamps, but also, for example, face massagers or toys - even this "teddy bear" on a small battery is also electronic waste. In practice, it is extremely important for people to know about it - only this can make us "treat" this small equipment properly and not throw it into the trash can. This information is an element of the entire message that we want to promote, for example, on the occasion of the International Day Without Electronic Waste celebrated worldwide on October 13. Incidentally, as a permanent collaborator of UNEP GRID, we are the leading organizer of the MDBE celebrations in Poland. Carrying out information or awareness campaigns on the subject of electronic waste, its potential harmfulness, proper handling and, in general, the responsibility of producers in this area is one of our tasks as organizers of the entire process of obtaining electronic waste.

There are many interesting aspects, but we cannot talk about all of them in such a short format. On behalf of the students of SGH, I would also ask, for example, whether you can find an interesting, developmental and well-paid job in the electronic waste industry? The answers to these and many other questions will be found in our conversation on the Eko-zważeni channel on YouTube. You will learn from it, for example, who really pays for the trade in electronic waste, whether and for whom it is a future business, but also whether RTV and household appliance manufacturers deliberately age products so that they break down faster. We cordially invite you to listen and join the celebration of MDBE at the Warsaw School of Economics.

*Link to the conversation: <https://www.youtube.com/watch?v=ZIQVKqi2Kuw&t=104s>*

PRME Chapter Poland was also a co-organizer of several nationwide conferences in 2024. Below we present these events along with general information and programs.

## II National Scientific Conference from the series "Universities facing the challenges of sustainable development"

date: April 9<sup>th</sup>, 2024

**Organizers:** Dean of the Faculty of Management, University of Lodz, dr hab. Tomasz Czapla, prof. UŁ, Center for Sustainable Development Studies operating at the Faculty of Management, University of Łódź, Academic P2P Cooperation Network for SDG (U2SDG) and PRME Chapter Poland

**Honorary patronage** over the Conference was assumed by His Magnificence the Rector of the University of Łódź, Prof. dr hab. Elżbieta Żądzińska



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The aim of the conference was to present activities and good organizational practices as well as the results of scientific research conducted at Polish universities in the area of SDGs and responsible business-related issues. This event contributed to the exchange of knowledge, views, cooperation in the research projects and scientific publications. It was also an excellent opportunity to integrate the academic community and have a broader discussion on the current and prospective role of universities in shaping a sustainable future.

The conference included a plenary session, during which representatives of leading economic universities and business schools in Poland presented their achievements on the sustainability-related field and had an opportunity to participate in a workshop session organized by PRME Chapter Poland on publishing in leading scientific journals covering the issues of sustainable development.

### Scientific Council of the Conference

- Dr. hab. Bożena Ewa Matusiak, prof. UŁ – Chair of the Scientific Council
- Dr. hab. Tomasz Czapla, prof. UŁ – University of Lodz
- Dr. hab. Beata Detyna, prof. ANS – Academy of Applied Sciences Angelus Silesius
- Dr. hab. Agnieszka Domańska-Sikorzak, prof. SGH – Warsaw School of Economics, PRME Chapter Poland
- Dr. hab. Dominik Drzazga – University of Lodz
- Prof. dr hab. Bogdan Gregor – University of Lodz

And others.

### Frame Conference programme

9.00-9.30 Opening of the conference  
9.30-11.30 Session I – Good examples of actions for sustainable development at universities  
11.30-11.45 Break  
11.45-13.15 Session II – Results of research in the area of sustainable development conducted at universities – part 1  
13.15-13.30 Break  
13.30-15.00 Session III – Results of research in the area of sustainable development conducted at universities – part 2  
15.00-15.15 Summary of the presentation of research results  
15.15-15.30 Break  
15.30-17.00 W RTP Polish Chapter Workshop Session



**As part of the conference, PRME Chapter Poland organised workshop under the PRME World Tour Research Paper Development Program 2022-2024 entitled: “The question of sustainability: Corporate, social, ecological and public policy perspectives”.**

During the workshop previously submitted articles were discussed in a pre-review formula with editors of journals such as Business & Society (MNiSW list 2024, 140 points, Impact Factor 7.792), Journal of Business Ethics (MNiSW list 2024, 140 points, Impact Factor 6.331) and Economics and Environment/Ekonomia i Środowisko (MNiSW list 2024, 100 points). After submitting a scientific article, its authors received a preliminary assessment of its publication potential from the experienced publishers and editors and advice on its improvement/improvement, etc. (i.e. in the pre-review process). The project was aimed primarily at young academics, less experienced researchers or PhD students. However, it was open to anyone who would like to benefit from this type of mentoring support when preparing the publication.

#### **WRTP IN POLAND HAD TWO PARTS:**

The first part was the “Editors panel” entitled “How to publish responsible management/leadership and sustainable business research in international, peer-reviewed management journals”. Discussion of this session focused on how to publish responsible management and sustainable business research in international, peer-reviewed management journals, among it how to craft a research question that not only adds substantial value to the existing body of knowledge but also incorporates distinguishing factors highly appreciated by publishers. This session was supplemented with Q&A session to the panelists.

#### **Issues discussed:**

- 1) What are the most up-to date sustainability and responsible business-related topics “desired” by top journals covering this research on this field
- 2) How to craft a research question that not only adds substantial value to the existing body of knowledge but also incorporates distinguishing (i.e. regional context) factors interesting and “attractive” for the publishers
- 3) How to elaborate the original idea and construct the article’s body correctly to enhance the chances for successful publishing in highly-renowned journal
- 4) How to find the potential co-authors to prepare cross-country research to be then published successfully in international peer-reviewed journals
- 5) Are the sustainability-related issues commonly covered by the Polish researchers? How is their “performance” in this respect comparing to authors from other countries?
- 6) Is there enough “publishing space” or potential for authors from Poland interested in the sustainability and responsible leadership/management issues?

The second part of the workshop was open only to authors who have submitted their papers/abstracts. This session was built around small discussions where authors received direct detailed feedback on their work in progress from mentors – all experienced scholars, editors, associate editors, board members, authors, and reviewers for leading management journals.

#### **Discussion panel mentors:**

Prof. Scott Taylor, Professor of Leadership & Organization Studies, Birmingham Business School, University of Birmingham, UK, and Development Editor, Journal of Business Ethics

Prof. Giuseppe T. Cirella, Professor, Department of Transport Economics, University of Gdansk and Center of Sustainability

Prof. Barbara Kryk, Professor, University of Szczecin, PSEŚiZN Board member, PRME Chapter Poland Steering Committee member, Regional Labor Market Council member

Prof. Renata Marks-Bielska, Deputy Chairman of the Scientific Council of the Discipline of Economics and Finance. Faculty of Economic Sciences University of Warmia and Mazury

Ph.D. Ingrid Molderez, Economics and Corporate Sustainability Research Group, Brussels Campus, KU Leuven PRME Chapter France and Benelux

Prof. D.Eng. Stanislaw Bielski, University of Warmia and Mazury in Olsztyn; Faculty of Agriculture and Forestry; Department of Agrotechnology and Agribusiness

Frédéric Dufays, Assistant Professor at HEC Liège-ULiège and KU Leuven. University of Liège University of Liège. Leuven Belgium

## April 09<sup>th</sup> 2024 – Online

The PRME Chapter Poland is very happy to launch the workshop on academic writing under World Tour Research Paper Development Program (WTRP Development Program).

The workshop is co-organized in partnership with PRME Secretariat, PRME World Tour Organizing Committee and leading international journals in the responsible management, sustainable development and business-in-society fields: Business & Society, Journal of Business Ethics and Economics and Environment (Ekonomia i Środowisko). The event is also supported by eminent publishers of professional and academic books and journals such as Routledge and Springer.

WTRP Development Program "Polish edition" is held under the title: "The question of sustainability: Corporate, social, ecological and public policy perspectives" and will be the part of the conference "Universities and Colleges Facing the Challenges of Sustainable Development," organized by the Center for Sustainable Development Studies University of Łódź (April 9, 15:30–17:00 2024; online) <https://www.wz.uni.lodz.pl/centrum-studiow-zrownowazowany-rozwoju/szczegoly/ii-konf-sd>

To participate in this innovative workshop, please consider submitting your paper or abstract to this call for papers and participants. The call is open for any students or scholars interested in sustainability and responsible business issues working in Central Europe. The workshop will take place on April 9th 2024 (anticipated hours 15:30 – 17:00). It will be chaired by Prof. Scott Taylor, Chair of Leadership & Organization Studies, Birmingham Business School, University of Birmingham, UK, Prof. Anna Visvizi, Chair of International Political Economy, SGH Warsaw School of Economics, Prof. Giuseppe T. Cirella, University of Gdansk and Polo Center of Sustainability, Prof. Agnieszka Domanska, SGH Warsaw School of Economics. Research and publishing mentors will include representatives from a range of journals in the field.

The deadline for submissions is 31st March 2024. Please submit your paper to this e-mail address: [polandWTRP@sgh.waw.pl](mailto:polandWTRP@sgh.waw.pl) with message title "PRME World Tour Research Paper Development Poland".

Your submission can be in one of three categories\*:

- a) Extended abstract
- b) paper in development.
- c) paper ready for submission (including papers already reviewed unsuccessfully);

We invite papers both in English and Polish. We are planning mentoring groups for texts written in both languages. Submissions are welcome from any business school discipline.

TO SUBMIT and REGISTER to the workshop:

- 1) Send your Abstract or Paper to [polandWTRP@sgh.waw.pl](mailto:polandWTRP@sgh.waw.pl) before March 31st, 2024. Please use the subject line 'PRME paper development workshop'; in the email message, please list: paper title, authors (name, institution, ORCID), main discipline, target journal (in case of any preferences)
- 2) Please register for the conference; link to the registration form: <https://docs.google.com/forms/d/e/1FAIpQLSdNf4X61IZIkRU7hczfopdt6jUF7CtaZVhV99E3viNAbB9kg/formResponse> and on the second step where You are asked about Title of the speech/paper:\* (title of the presentation) please submit the title of Your paper/abstract extended by "WTRP workshop".

Submissions may be accepted according to the following streams:

- 1. Extended abstracts. Please submit an extended abstract that you seek to publish in an indexed scientific journal. It is advised that the submission should be between 2000-4000 words in length, including references, double line spaced. It is recommended that the abstract includes the following subsections: 1) Purpose, research question or research objective; 2) Theoretical framework; 3) Methods; 4) Expected results.
- 2. Working papers. Kindly submit an ongoing paper that you intend to submit to a journal. We welcome both empirical papers (quantitative, qualitative, or mixed methods), theoretical work or review work. The working papers should be 4000-10,000 words long, including references, with double line spacing. Please bear in mind that submissions will not be reviewed blind, so please include a cover page with authors' identification (names, institutions, ORCID).

Accepted abstracts and papers MUST be in the broad field of sustainability and responsible management including, e.g. responsible management/leadership, Corporate responsibility/sustainability, Business ethics, Social enterprise, social business, Circular economy, cleaner production, human rights and other related fields.

Participants must be able to communicate in English and must be available for full commitment to the event on the scheduled day. We anticipate the workshop will run from 2 am to 4 pm.

## V Scientific Conference – Retardation of transformation of environmental resources



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sp. z o.o.

### INVITATION

The Department of Fundamentals of Agriculture and Waste Management at the Institute of Agricultural Sciences and Environmental Protection, College of Natural Sciences of the University of Rzeszów, together with co-organizers, has the honor to invite you to participate in the 5th Scientific Conference Retardation of Transformation of Environmental Resources. Achievements, Problems, Perspectives. Rzeszów, May 15-16, 2024, under the patronage of His Magnificence the Rector of the University of Rzeszów





### Co-organizers:

- Department of Agroecology and Forest Management,
- Department of Food Chemistry and Toxicology,

in cooperation with the Polish Society of Ecological Engineering, the Committee for Spatial Development of the Country of the Polish Academy of Sciences, the Polish Soil Science Society, Principles For Responsible Management Education Chapter Poland (PC PRME), the Student Scientific Club of Sustainable Development of UR and INVENT UR sp. z o.o.

### Conference partners:

City of Rzeszów, WFOŚiGW, MPGK Rzeszów, Hamburger Recycling company



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stolica innowacji



### Conference objectives:

1. To determine the need and methods for slowing down the transformation of ecosystems (space and other resources) as an important instrument of sustainable development (especially during the Decade of Ecosystem Restoration (2021-2030);
2. To consider ways of continuously increasing social participation in the process of planning life and development, including spatial management;
3. To define retardation in the context of natural, economic and social aspects of sustainable development;
4. To present good practices in the field of retardation;
5. To share experience and action plans in the field of popularizing retardation;
6. To learn about the state of scientific, research and teaching activities in this area on a national and international scale.

### Organizing committee:

prof. dr hab. Joanna Kostecka  
– CHAIRPERSON



## CONFERENCE PROGRAM

### 15.05.2024 (Wednesday)

8.00-9.00 registration of conference participants (Institute of Agricultural Sciences, University of Rzeszów, Building D9, room 108, Zelwerowicza 4)

9.00-9.30 welcoming guests and opening of the Conference

#### 9.30-11.00 Paper session I

**Chairs:** prof. dr hab. inż. member of the Polish Academy of Sciences Czesława Rosik-Dulewska, dr hab. Mariola Garczyńska, prof. UR, prof. dr hab. Michał Kopeć  
appointment of the motion committee

Joanna Kostecka: "Retardation of the transformation of natural resources from the perspective of the Decade of Ecosystem Restoration (2021-2030)"

Wojciech Zysk: "Colorful swans, innovations, technology. Will new production factors save the Earth?"

Robert Skrzypczyński: "Growth paradigm as a key barrier to the retardation of environmental resource transformation"

Maria Pietrzak: "i5 - didactics responding to the challenges of modern times"

11.00-11.30 break

#### 11.30-14.30 Paper session II

**Chairs:** prof. dr hab. Ewa Szpunar-Krok, dr hab. Grzegorz Kusza, prof. UO, dr hab. Wojciech Zysk, prof. UEK

Józef Chojnicki: "Retardation of threats to soil functions"

Aleksander Kiryluk: "Environmental and economic conditions of regenerative agriculture"

Małgorzata Dżugan: "Economic and environmental importance of the honeybee"

Mateusz Jakubiak: "Application of unmanned aerial vehicles in engineering and environmental protection"

Eryka Pięta, Jadwiga Topczewska: "Sustainable food transport as an element of reducing the use of environmental resources"

Agnieszka Domańska-Sikorzak: "Promoting sustainable development at universities - the role of Principles for Responsible Management Education"

14.30-15.30 lunch

#### 15.30-17.30 Poster session

**Chairs:** prof. dr hab. Małgorzata Dżugan, dr hab. Tomasz Ciesielczuk, prof. UO, dr hab. Grzegorz Pączka, prof. UR

Maciej Balawejder, Natalia Matłok, Tomasz Piechowiak: "Processing post-segregation waste from the production of large cranberries into extracts with high biological activity"

Anna Baran: "Education of landscape architects for the retardation of the transformation of natural resources"

Mirosław Biczkowski, Roman Rudnicki, Łukasz Wiśniewski, Paweł Wiśniewski: "Spatial differentiation of drought and factors determining its intensity in the Kuyavian-Pomeranian Voivodeship"

Jan Buczek: "Balance of soil organic matter"

Mariola Garczyńska, Sylwia Waberska, Anna Mazur-Pączka, Grzegorz Pączka, Joanna Kostecka, Renata Szura: "Pro-environmental management of waste from the agri-food sector using *Eisenia fetida* (Sav. 1826)"

Artur Jachimowski: "Sustainable development in the context of district heating. Environmental Impact Analysis"

Daria Janda, Anita Kot, Karolina Mroczek, Janusz R. Mroczek: "Vegetarianism as a Response to the Unsustainable Lifestyle of Contemporary Society"

Wacław Jarecki: "Development of Crop Production in Poland over the Years 2011-2021"

Michał Kopeć, Wojciech Szewczyk, Elżbieta Badach, Michał Chwastek, Mariusz Dacko, Aleksandra Płonka, Tomasz Wojewodziec: "Estimation of the Bio-Waste Potential in an Example Municipality Using a Survey Method"

Małgorzata Krasowska, Małgorzata Kowczyk-Sadowy, Aneta Sienkiewicz: "Use of Organic Waste for Fertilization Purposes as an Element of a Circular Economy"

Paweł Łuka: "Circular Economy as an Element of Retardation of the Transformation of Natural Resources"

Anna Mazur-Pączka, Mariola Garczyńska, Joanna Kostecka, Grzegorz Pączka: "Cultivation system with the use of vermicompost and local populations of Lumbricidae – the effect on selected yield traits of carrot (*Daucus carota* L.)"

Iryna Miedvedieva, Andrii Prokopchuk: "Waste and war. Environmental pollution by waste from war operations in Ukraine"

Teresa Noga, Anna Bysiek, Anita Paradowska: "The impact of human activity on the quality of waters in the Kisielina River"

Maria Pietrzak: "Retardation of transformation of environmental resources - a concept popularized by the Foundation "W Sercu Matki"

Marta Pisarek: "Prospects for the development of slow tourism in Podkarpacie"

Małgorzata Polna: "The role of soil conditions in the process of afforestation of agricultural land in Poland"

Małgorzata Polna, Ewa Kacprzak, Robert Hoffmann: "The importance of soil protection in shaping agricultural land resources in Poland"

Gabriela Purcha, Ewelina Koziara, Jadwiga Topczewska: "Animal welfare in the aspect of consumer preferences"

Piotr Stachowski: "Water reservoirs instead of post-mining excavations"

Małgorzata Szostek, Ewa Szpunar-Krok, Piotr Snopek: "Changes in the properties of organic matter of arable soils as a result of using ash from biomass combustion"

Sławomir Szymczyk: "Factors influencing the efficiency of domestic sewage treatment plants"

Karolina Tereba, Gabriela Purcha, Ewelina Koziara, Jadwiga Topczewska: "Food purchase channels and the level of its waste in the opinion of students"

Renata Tobiasz-Salach: "Combustion of biomass obtained from oats as a pro-environmental factor"

Łukasz Wiśniewski: "Landscape biodiversity on the example of the crop structure in agriculture. Spatial assessment for Poland"

Elżbieta Wołejko, Urszula Wydro, Angelika Domoradzka, Agata Jabłońska-Trypuć: "The effect of biopesticide action on the number of selected microorganisms in the rhizosphere zone"

Andrzej Żołnowski, Zdzisław Ciećko, Monika Madej, Grażyna Wasiak: "Long-term effect of fly ash from hard coal on the content of selected polycyclic aromatic hydrocarbons in soil"

### 16.05.2024 (Thursday)

#### 10.00-11.30 Paper session III

**Chairs:** dr hab. Agnieszka Domańska-Sikorzak, prof. SGH, dr hab. Małgorzata Szostek, prof. UR, dr hab. Sławomir Szymczyk, prof. UWM

Arkadiusz Kamiński, Agnieszka Pusz: "Industry activities in the face of environmental challenges"

Tomasz Ciesielczuk: "Textile industry waste as a carrier of organic nitrogen for the horticultural sector"

Marcin Feltynowski: "CircuPuncture as an idea of independent adaptation of local systems to the circular economy"

Tomasz Dudek: "Current directions of sustainable forest use"

Zbigniew Czerniakowski: "Miyawaki forests as a way to retard changes caused by excessive urbanization"

11.30-12.00 break

#### 12.00-14.00 Paper session IV

**Chairs:** dr hab. Agnieszka Pusz, prof. PW, dr hab. Zbigniew Czerniakowski, prof. UR, dr hab. Jadwiga Topczewska, prof. UR, Małgorzata Śliwka, Małgorzata Pawul, Magdalena Staszewska: "Assessment of the state of the environment in the area of inactive soda waste settling tanks of the Krakow Soda Plant Solvay"

Katarzyna Łuczak, Aleksandra Cichoń, Izabella Pisarek, Grzegorz Kusza: "The influence of the time factor on the formation of technogenic soils in the area of the Górażdże limestone mine"

Gabriel Borowski: "Fly ash granulation in the closed-loop economy system"

Bartosz Jawecki: "Water reclamation of Strzelin quarries"

Małgorzata Chackiewicz: "Management of export and import of CITES specimens by customs authorities in Poland"

14.00-15.00 lunch

15.00-15.30 Summary and discussion

## International Scientific Conference **RESILIENT & SUSTAINABLE ECONOMIES,**

September 25-28, 2024, Giby, Hotel Kresovia



### **OBJECTIVES**

The conference aims to initiate and inspire a possibly broad and in-depth discussion on the impact of crisis phenomena on the directions and policy and practice of sustainable development.

The experience of recent years, related to the COVID-19 pandemic, new serious armed conflicts and the intensification of the climate crisis, indicate how important a scientific and political issue is the impact of crises on the prospects for sustainable development. Effective reorientation of the European Union and world economy towards sustainable development requires that economies and societies are more resilient to crisis phenomena, and that responses to current and future crises are more sustainable.



## PROGRAM

### September 25, 2024 (Wednesday)

- 17:00-17:30 Registration of participants
- 17:30-19:00 Poster session / networking / scientific discussions and research presentations of young scientists / meetings of the PSEŚiZN section
- 19:00 dinner

### September 26, 2024 (Thursday)

- 09:00-11:00 Opening of the conference. Plenary Session I: Theory of Sustainable Development Economics – Trends and Research Directions in the Context of Crises
- 11:30-13:00 Parallel Sessions – Block I: The Role of Human Capital in Sustainable Development of Enterprises and Regions / The Impact of Demographic Processes on Sustainable Development and Development Policy / Green Management
- 13:00-14:00 Lunch
- 14:00-16:00 Parallel Sessions - Block II: Problems of Contemporary Development Policy and the Role of the State in Sustainable Development / Sustainable Development in Regional and Local Policy / Consumers and Households in Sustainable Development Policy
- 16:30-18:00 General Meeting of the Polish Association of Environmental and Natural Resource Economists
- 19:00 Gala Dinner

### September 27, 2024 (Friday)

- 09:00-11:00 Plenary Session II: Sustainable Knowledge-Based Economy - Theoretical Aspects and Policy Strategies
- 11:30-13:00 Parallel Sessions - Block III: Implementation and Evaluation of Sustainable Development Policy: Conditions, Mechanisms and Best Practices / Climate Transformation of the Economy
- 13:00-14:00 Plenary Session III: Summary of the Conference and Closing
- 14:00-15:00 Lunch
- 16:00-19:00 Study Visits / Field Workshops
- 19:00 Culinary Workshops and Dinner

### September 28, 2024 (Saturday)

- 06:30-23:00 Study Trip to Vilnius Circular Economy in Practice (visit to a factory using raw materials from recycled skateboards and a trip around Vilnius)

## Seminar

# “NEW TRENDS IN BUSINESS. LET'S BUILD OUR FUTURE RESPONSIBLY”

March 7, Rzeszów

The seminar accompanying the Business Workshops: "Start your own company" was held on March 7, 2024, starting at 10:00. The following shared their experience: Representative of the Mayor of Rzeszów for Innovation and Development – Krzysztof Stańko, President of PCI – Michał Tabisz, Vice-Rector of WSliZ for Innovation and Sustainable Development – Dr. Małgorzata Gosek, President of PRME Chapter POLAND – Dr. hab. Agnieszka Domańska, prof. SGH, Vice-President of RARR S.A. – Jolanta Wiśniowska.

Additionally, as part of this conference, a competition for the best pitch deck presentation was held, in which the five best participants of the Workshops, selected through pre-selection, took part.

The aim of the seminar was to establish cooperation between regional business and higher education units, towards showing young people a clear path for developing entrepreneurial potential, which could ultimately also be useful for the region.

The following were invited to participate in the Seminar: scientific circles of WSliZ and other universities from Rzeszów and Podkarpacie, the Youth Council of the City of Rzeszów, the Youth Assembly of the Podkarpackie Province, the National Student Forum Business Centre Club Foundation.



## Seminar

### “New trends in business. Let's build our future responsibly”

#### Event program:

- 9.30-10.00 Registration of participants
- 10.00-10.15 Welcome and opening of the event
- 10.15-10.35 Dr M. Gosek, Vice-Rector for Innovation and Sustainable Development
- 10.35-12.25 Speeches of 5 finalists of the “Business Workshops – Start your own company” + QA session
- 12.25-12.45 Jolanta Wiśniowska, Vice-President of the Management Board of Rzeszów Regional Development Agency S.A.
- 12.45-13.05 Michał Tabisz, President of the Podkarpackie Innovation Center
- 13.05-13.30 Krzysztof Stańko, Plenipotentiary of the Mayor of Rzeszów for Innovation and Development  
Karol Templewicz – Sustainable Development and ESG Team SGH Warsaw School of Economics.
- 13.30-13.55 Dr. hab. Agnieszka Domańska, prof. SGH, President of PRME Chapter Poland
- 13.55-14.40 Coffee break/ Jury deliberations Meanwhile on stage:  
“Entrepreneurial potential versus reality. Scientific research by employees of the Department of Entrepreneurship”
- 14.40-15.00 Announcement of results and awarding of prizes
- 15.00-15.10 Closing

**Honorary patronage:** Mayor of Rzeszów Konrad Fijołek and Marshal of the Podkarpackie Voivodeship Władysław Ortyl.

**Substantive Patronage:** Department of Entrepreneurship at WSiIZ, Sustainable Development Office at WSiIZ and PRME Chapter Poland.

**Media Patronage:** [www.gospodarkapodkarpacka.pl](http://www.gospodarkapodkarpacka.pl); Intro.Media





## #RZECLimatON: Environmentally Sensitive Business

A training and workshop conference focused on promoting environmentally sensitive business practices. The event aimed to prepare and distribute sustainable initiatives across the Podkarpackie Voivodeship, with a particular emphasis on fostering responsible business activities in the region.  
<https://urbact.eu/rzeclimat-on-behind-us>

## II National Scientific Conference: "Sustainable Development. Legal, Economic, Political, and Social Aspects"

An active participation conference focused on "Environmental-Sensitive Leadership: PRME and Green Entrepreneurship as the Foundation for Educating Future Leaders." Organized by the Center for European Studies, Center for American Studies, and Center for Science & Technology, the conference aimed to discuss sustainable development as a social, political-legal, economic, and environmental challenge.



<https://unikonferencje.pl/miniona/15008-ii-ogolnopolska-konferencja-naukowa-zrownowazony-rozwoj-aspekty-prawne-ekonomiczne-polityczne-i-spoieczne>

## ESG — Does Helping Pay Off?

A scientific and training conference focused on the legal aspects and importance of implementing and reporting ESG in businesses. Topics included sustainable development, entrepreneurship, business management, and law.



[https://www.fundacijaprofil.pl/konferencja-esg-czy-pomaganie-sie-oplaca\\_ii-edycja/](https://www.fundacijaprofil.pl/konferencja-esg-czy-pomaganie-sie-oplaca_ii-edycja/)



## IV ESG Congress

The Europe – Leaders of Sustainable Development event will take place on January 29 2025 in Warsaw in a hybrid form.

**IV ESG Congress Europe – Leaders of Sustainable Development**, which will take place on January 29, 2025 in Warsaw, is a platform for dialogue for European leaders of the sustainable development – state administration representatives, business, NGOs, scientific communities, experts and the media.

The main theme of the IV ESG Congress Europe will be the civilizational changes taking place in the world and the role of the EU in these historical transformations.

Over 30 years ago the Treaty of European Union was signed. That has had the great impact on the policy

changes not only in Europe.

The community of European countries, based on the values set out in the Universal Declaration of Human Rights and the International Covenant on Economic, Social and Cultural Rights, has marked a new era for our continent, implementing activities for peace and security and sustainable development at a global scale.

Nowadays we are witnessing the creation of the new European deal to the large extent due to ESG. That is a great change in the way of thinking and activating, which may redesign the future of Europe and influence the other continents.



The poster for the IV Kongres ESG is divided into a light blue top section and a dark blue bottom section with a green wavy border at the bottom. The top section contains logos for 'IV KONGRES ESG', 'ZAPROSZENIE', 'XBW', and 'ESG'. The main title 'IV Kongres ESG' is in large white letters, followed by the subtitle 'LIDERZY ZRÓWNOWAŻONEGO ROZWOJU - EUROPA'. The event details are listed: '29 stycznia 2024 r. (środa), 9:30 - 18:00' and 'Gala wręczenia nagród KOD ESG 18:00 - 19:00'. A QR code and 'KOD ESG' logo are present. Below, it says 'Po zakończeniu Gali zapraszamy na networking'. The venue is 'Centralny Dom Technologii ul. Krucza 50, Warszawa'. A registration link is provided: <https://forms.gle/q3dQDVikBjsz8NYq7>. At the bottom, it states 'KONGRES BĘDZIE TRANSMITOWANY NA ŻYWO 29 STYCZNIA W GODZINACH 9:30 - 18:00' and the website [HTTPS://oESG.PL](https://oESG.PL).

IV KONGRES ESG ZAPROSZENIE XBW ESG

**IV Kongres ESG**  
LIDERZY ZRÓWNOWAŻONEGO ROZWOJU - EUROPA

29 stycznia 2024 r. (środa), 9:30 - 18:00

Gala wręczenia nagród KOD ESG 18:00 - 19:00

KOD ESG

Po zakończeniu Gali zapraszamy na networking

Centralny Dom Technologii  
ul. Krucza 50, Warszawa

Prosimy o zarejestrowanie swojego uczestnictwa w formularzu:  
<https://forms.gle/q3dQDVikBjsz8NYq7>

KONGRES BĘDZIE TRANSMITOWANY NA ŻYWO 29 STYCZNIA W GODZINACH 9:30 - 18:00 [HTTPS://oESG.PL](https://oESG.PL)



## lowing issues:

- How to speak about the sustainable development to be listened to?
- Migration policy – how to meet the economic and social challenges?

In the media appeared over **2500** publications about the ESG Congress.



## VI Scientific Conference – Sustainable Development and Perspectives for Renewable Energy Sources and Waste Management

A conference dedicated to sustainable development, with a particular focus on the future of renewable energy sources and waste management. Discussions addressed innovative solutions in these areas and their impact on the environment and socio-economic development.

### i5 Playbook: Learning in Leadership Education

The project includes i5 training sessions for Polish academics, to integrate these methods into teaching. The training is available online and in-person formats to support the adoption of these practices in academic settings.

<https://www.ur.edu.pl/pl/kolegia/kolegium-nauk-przyrodniczych/jednostki-naukowe/inst-nauk-rolniczo-ochrony-i-ksztalt-s/dzialalnosc-badawcza/vi-konferencja-naukowa-zrownowazony-rozwoj-i-perspektywy-dla-odnawialnych-zrodel-energii-i-gospodarki-odpadami>



### i5PRME

Dr Maria Pietrasz, maria.pietrasz@ghg.waw.pl

#### UN PRME

Misja UN PRME (United Nations Principles for Responsible Management Education) jest transformacją edukacji menedżerskiej i nową odpowiedzialnością decydentów (nie) w celu wspierania zrównoważonego rozwoju. W ramach PRME zrzeszonych jest ponad 800 uczelni w 65 krajach świata.

#### i5 Playbook

Podręcznik dla nauczycieli akademickich pt. "The Impactful Five (i5): Learning in Leadership Education" to efekt wieloletniego projektu finansowanego przez UN PRME, w którym partycypowała fundacja LEGO, Harvard Project Zero oraz Guilford. Motywem powstania podręcznika było wsparcie rozwoju następnego pokolenia odpowiedzialnych liderów poprzez promowanie dydaktyki opartej na zabawie i holistycznym rozwoju umiejętności i odpowiedzialnym przywództwie. Podręcznik i5 jest dostępny dla wszystkich zainteresowanych już w kilku językach na stronie PRME (The i5 Playbook).

#### Dydaktyka i5

Podręcznik i5 wskazuje na 5 kluczowych cech uczenia się przez zabawę:

- Dostępną radość i poprawienie dobrostanu (joy/wellbeing)
- Aktywne angażowanie (active engagement)
- Indywidualne znaczenie (meaning)
- Społeczna interakcja (social interaction)
- Powtarzalność (iteration)

#### Szkolenia i5

Europejscy akademicy zaangażowani w projekt i5 stworzyli program szkoleniowy, którego celem jest szerzenie wiedzy i5 w dydaktyce akademickiej. Realizację programu rozpoczęto wiosną 2023. Program składa się z pakietu wiedzy oraz stworzonego przestrzeni nauczycielom akademickim do implementacji dydaktyki i5 oraz wymiany doświadczeń z osobami realizującym projekt. Moduły szkolenia:

- Poziom 1 – ogólnie wprowadzające do i5 – on-line (1 godzinę)
- Poziom 2 – warsztat przybliżający 2 wybrane metody i5 – on-line (3 godziny)
- Poziom 3/4 – szkolenie stacjonarne na zainteresowanej uczelni – (0,5-1,5 dnia)

Najbliższe szkolenia: Poziom 1 – marzec 2025 (po nim zostaną ustalone terminy poziomów 2)

Więcej informacji dla zainteresowanych.

#### Więcej informacji

Informacje nt. UN Principles for Responsible Management Education | UNPRME

Informacje nt. i5: The i5 Playbook

Informacje o osobach współtworzących projekt: PRME (i5) Expert Pedagogy Group (EPaG) | LinkedIn

Wartość powstania strony internetowej zawierająca pełne informacje o dotychczas przeprowadzonych szkoleniach i5 w Europie.

**PRME** Principles for Responsible  
Management Education  
CHAPTER **POLAND**