THE COUNTRYSIDE CHEERS INNOVATION

A CATALOGUE OF SELECTED SCIENCE AND INNOVATION PROJECTS

2nd National Conference **VIZ: 3E**

Economically **E**co-responsibly **E**ffectively

Ministry of Regional Development of the Czech Republic

Jihočeská univerzita v Českých Budějovicích
University of South Bohemia in České Budějovice

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The event was organized under the auspices of the Rector of the University of South Bohemia in České Budějovice and the Minister for Regional Development of the Czech Republic.

University of South Bohemia in České Budějovice
Faculty of Economics
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INOVACE MMR

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DEAR LADIES, DEAR GENTLEMEN, DEAR VISIONARIES OF THE CZECH COUNTRYSIDE,

It is a great pleasure to present to you this new edition of this catalogue, created as an output of the national conference on research **VIZ: 3E—Economically, Eco-responsibly and Effectively**. This year's edition, held under the motto 'THE COUNTRYSIDE CHEERS INNOVATION', demonstrates that modern solutions are not a prerogative of big cities. On the contrary, they have a firm place in the life of our regions, in our landscapes, in local services and in the daily lives of people.

The conference, organized by the Ministry of Regional Development of the Czech Republic in cooperation with the Faculty of Economics of the University of South Bohemia, builds a unique bridge spanning between academia, public administration and regional leaders. It is in this connection that we see great strength: Expertise naturally meets with practice and with the experience of mayors, entrepreneurs, non-profit organisations and active citizens. Our goal is to offer a platform for solutions that do not merely 'look smart on paper', but for ones that are above all verifiable, transferable and actually usable in communities both small and larger, under different conditions and with respect for local needs.

The projects presented cover a wide range of topics: from energy and savings, to the circular economy and resource efficiency, and to the social and community dimensions of development. I especially appreciate seeing topics that do not get much exposure yet are crucial for society, such as dignity, interpersonal support or spirituality in palliative care. All of these themes are united by a set of common denominators: improved quality of life, sustainability and community resilience, which together form the foundation of a thRegister of R&D Results (RIV)ing countryside.

We often hear that cutting-edge science belongs in isolated laboratories and university auditoriums. However, the projects presented in this catalogue prove the opposite: Real research should be seen on the ground—in communities, in local services, in the landscape and in public policies that make people's lives easier. When an undertaking successfully combines data, expert know-how and local experience, its end results are not only innovative, but also generally accepted and sustainable in the long term.

At the Ministry of Regional Development, we are therefore stRegister of R&D Results (RIV)ing to ensure that regional development is not merely about 'asphalt and subsidies', but that it is above all a matter of nurturing a healthy, modern and cohesive society. Such a society can work with opportunities, respond to change and strengthen the local economy while protecting what is most valuable—the landscape, relationships and trust. Innovation is not an end in itself: It makes sense only if it brings tangible benefits to people and helps communities meet the challenges of today and tomorrow.

I hope you will find this catalogue a source of inspiration and a handy set of good examples, as well as proof that the Czech countryside is where the future is being created. Thank you to everyone that has contributed to its production, to the organizers of the conference for their professional support, and especially to the authors of the projects for their courage to bring new approaches to where they are most needed.

Mgr. Zuzana Mrázová
Minister of Regional Development of the Czech Republic

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ABOUT THE RESEARCH CONFERENCE VIZ: 3E

The national conference on the research **VIZ:3E – Economically, Eco-responsibly and Effectively**, held under the motto 'The countryside cheers innovation', is a professional discussion platform focused on the presentation, sharing and critical reflection of the results of research, development and innovation projects that significantly impact the development of rural areas and regions.

It was organized by the Ministry of Regional Development of the Czech Republic in cooperation with the Faculty of Economics of the University of South Bohemia in České Budějovice. It systematically connects academia, public administration, representatives of local government bodies, the business sector and other actors involved in regional management. It aims to enhance the transfer of knowledge into practice and to promote interdisciplinary cooperation in addressing current challenges of regional development.

The event provided a platform for the presentation of innovative solutions, examples of good practice, and applied outputs of projects focused on sustainability, energy, community development or the territorial dimension of public policy. The second iteration of the conference took place in the form of a moderated discussion panel with an emphasis on the practical applicability of scientific research and innovation in local and regional contexts.

The brochure published on the occasion of the conference presents a selection of projects linking academic research with practice—from the topics of circular economy and climate protection to spirituality in palliative care. The common denominator is a desire to improve the quality of life of residents and promoting long-term sustainability through methodological tools, innovative management models and systematic education.

INNOVATION AS A PREREQUISITE OF RURAL VITALITY

This year's theme —innovation in rural areas— reflects the reality that research and innovation are not restricted to laboratory settings or academic institutions. On the contrary, their full significance manifests itself in the field—in the everyday life of municipalities and regions.

The Ministry of Regional Development has long sought to ensure that the development of regions is not reduced to investment support for building infrastructure. Far beyond that, it stRegister of R&D Results (RIV)es to deal with it in a comprehensive manner, taking quality of life, environmental responsibility, social cohesion and economic vitality as its integral goals. The projects presented at the conference cover a broad spectrum of areas that together contribute to building a modern and resilient society.

THE MAIN PILLARS OF INNOVATION IN RURAL AREAS

A discussion panel followed after presentations of three selected projects, focusing on key areas of innovation:

- **Smart Government (Smart Village)** – deployment of digital tools for communication with citizens and the efficient management of municipal infrastructure.
- **Energy and sustainability** – advancing community energy and the utilization of renewable energy sources to increase the energy self-sufficiency of communities.
- **Social innovation** – new models of shared services (e.g. self-service shops, mobile health services) increasing access to basic services in remote areas.

- **Precision agriculture** – using sensors, data analysis and drones for efficient farming while minimizing environmental impacts.

However, innovations also affect the fields of law and crisis management. The project 'Bankruptcy as a (wining) game' opens a discussion on how to cope with business crises, about legal certainty and on management simulations as tools for strengthening the economic resilience of regions. One example of functional interdisciplinary cooperation is the interlinking of the academic environment at the University of South Bohemia with the practice of the Regional Court in České Budějovice.

Another inspirational example is the experience gained at the village of Prosetín, where technical thinking combined with innovative management and a strategic vision has enhanced the municipality's energy self-sufficiency. This example demonstrates that even small municipalities can play a leading role in energy security and sustainable development.

The programme of the conference included panel presentations of university projects addressing current societal needs and video profiles of municipalities awarded the Purple Ribbon for innovative approaches to improving quality of life in the 2024 Village of the Year competition.

CONCLUSION

The VIZ: 3E 2026 conference confirms that rural innovation not only brings opportunities, but that it is a prerequisite for the long-term vitality of regions. Bringing together scientific knowledge, data analysis, application practice and inter-institutional cooperation creates conditions for the strategic systematic development of territories.

Thanks are due to all research teams and partners whose work provides informed arguments and concrete tools for improving the quality of life and sustainability in the regions of Czechia.

The long-term goal of the conference is not only to present the results of research, but above all to promote dialogue and the establishment of partnerships between academia, public authorities and entrepreneurs. It is this interdisciplinary dialogue that leads to solutions which can strengthen the long-term competitiveness and cohesion of the space that we all share.

The moderator Jaroslav Demel (from the Technical University of Liberec) discussed the individual topics with Lubor Hruška (PROCES) Hana Šťastná (Regional Agrarian Chamber of the South Bohemia Region), Jiří Krist (Enerkom Opavsko), Zdeněk Strnad (Faculty of Economics at the University of South Bohemia), Michal Vychroň (municipality of Prosetín), Jaroslav Polášek (local action group Hlubocko – Lišovsko) and Jaroslav Marsa (municipality of Pleše).

Lubor Hruška

Sociologist and expert on regional development, working for the society PROCES – the Centre for the Development of Municipalities and Regions. He has long been involved in strategic planning, socio-economic analysis and development projects of municipalities and regions. His professional activities focus on sustainable development, public participation and local quality of life.

Hana Šťastná

Director of the Regional Agrarian Chamber of the South Bohemia Region. In the long term, she has been engaged in the promotion of agribusiness, rural development and representing the interests of the agricultural sector. In his professional activity he focuses on cooperation between farmers, public administration and regional partners.

Jiří Krist

Chairman of the board of Enerkom Opavsko and Chairman of the local action group Opavsko. Vice-Chairman of the National Network of Local Action Groups. He has long-standing interest in community energy, local development and supporting cooperation between municipalities, entrepreneurs and citizens. His activities primarily include the strengthening of energy self-sufficiency and regional sustainable development.

Zdeněk Strnad

Chairman of the Academic Senate of the Faculty of Economics of the University of South Bohemia and Vice-Chairman of the Academic Senate of the University of South Bohemia. He works at the Department of Law of the Faculty of Economics at the University of South Bohemia in České Budějovice and also serves as a judge. His long-term focus concerns legal aspects of public administration and the management of institutions. In both his academic and professional activities, he focuses on the interconnection of law, economics and administration.

Michal Vychroň

Mayor of the village of Prosetín He has long been involved in the development of the municipality, promoting the local community and the implementation of investment projects at the local level. In his activity he focuses on the sustainable development of rural areas and improving the quality of life.

Jaromír Polášek

Director of the local action group Hlubocko – Lišovsko. He is engaged in the field of community energy. For a long time, he has been involved in development projects, supported cooperation between municipalities and helped implement innovative solutions in the region. His professional activities focus on the energy transformation and strengthening local self-sufficiency.

Jaroslav Marsa

government and promoting community activities. He focuses his activities on the stable and sustainable development of the village and improving the lives of its inhabitants.

ABOUT THIS CATALOGUE

This catalogue introduces a selection of research and development projects that have been nominated for the 2nd National Conference on Research VIZ: 3E – Economically, Eco-responsibly and Effectively The projects included are thematically tied with innovation in rural and regional environments, sustainability, energy, community solutions and other areas of practical relevance to regional development locally. The catalogue presents projects that have already been completed and have borne concrete results that have been put into practice, as well as projects that are in their final stages of completion and their results are gradually being finalized. This catalogue aims to provide an overview of the breadth and focus of the projects presented, to promote the sharing of experience between researchers, public administrators and practitioners, and to create a space for additional professional discourse and cooperation.

The concept of entries presenting R&D projects and their results in this catalogue is the following:

The first side of each sheet is about research. This side contains the name of the R&D project whose results have been utilized in practice:

- the Registration number of R&D project (within which the result has been produced);
- the registration number of the R&D project;
- a URL (QR code) linking to the project's website;
- the institutions / entities responsible; and
- the authors of the project.

The reverse side of the sheet offers a simplified description of the each project’s results:

- the full name of the result and its acronym, if applicable;
- the authors / originators of the result;
- the type of intellectual property protection;
- the intellectual property rights that have been recorded;
- the geographical scope of the result's applicability;
- a brief and comprehensible description of the subject (and its purpose);
- the form of use of the result;
- the practical applicability of the result (specific examples of use); and
- the partner(s) in the utilization of the result (references to users of the result).

CATALOGUE OF SELECTED SCIENCE AND INNOVATION PROJECTS

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1

BANKRUPTCY AS A (WINNING) GAME

Full name of R&D project (within which the result was produced)	**Managerial/legal simulation 'Bankruptcy as a (winning) game'**
Registration number of R&D project	TAČR TL02000144
Project duration	1/2019–12/2022
Institutions / entities responsible	University of South Bohemia in České Budějovice / Faculty of Economics
Authors / researchers of the project	JUDr. Ing. Zdeněk Strnad, Ph.D., MPA JUDr. Rudolf Hrubý JUDr. Martin Slobodník, Ph.D. Ing. et Ing. Iveta Haman Karbulková Ing. Martina Krásnická, Ph.D., LL.M.
Forms of use	☐ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

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Full name and acronym of the result	Web application ‘Bankruptcy as a (winning) game’
Authors/originators of the result	The project’s research team
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Register of R&D Results (RIV)
Geographical scope of applicability	National/international online access
Brief description	The main output of the project is the online web application ‘Bankruptcy as a (winning) game’. It is the main result of project TL02000144. Players of the game first take part in a managerial game, the set-up of which simulates crisis conditions that preclude them from running their business successfully. In addition, they are also forced to take the correct decision to file for insolvency at the right time, including all the appropriate steps this entails. The final product has been made available as a web application accessible after registration. It is not a traditional commercial product.
Use in practice	The application serves as a didactic and training tool for teaching and experiencing decision-making situations related to insolvency. It can be used in academic education, professional courses or in the training of corporate managers and legal advisers. The application allows users to check the consequences of specific decisions in a simulated environment and gain experience not only in managing companies in crisis situations, but also with the approach to their business partners, customers or their own employees in a bankruptcy situation.
Partner(s) in the utilization of the result	Academic bodies (economics, law), the Judicial Academy, educational institutions, consulting firms focused on risk management and insolvency practice

2

ORGANIC AND LOCAL PRODUCE IN PUBLIC CATERING

Full name of R&D project (within which the result was produced)	**'The potential of applying of organic production and local production in the sustainable public catering'**
Registration number of R&D project	National Agency for Agricultural Research (NAZV) QL24020332
Project duration	3/2024–12/2026
Institutions / entities responsible	University of South Bohemia in České Budějovice / Faculty of Agriculture and Technology Institute of Agricultural Economics and Information
Authors / researchers of the project	doc. Ing. Jan Moudrý, Ph.D. Mgr. Ing. Kristýna Perná, Ph.D. Dr. Ing. Jaromír Kadlec Ing. Iveta Bošková, Ph.D. Ing. Karina Pohlová Ing. Marcela Kormaňáková, Ph.D.
Forms of use	■ Implementation in public administration ■ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

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Full name and acronym of the result	Summary report, methodologies, an example of good practice, and workshops
Authors/originators of the result	doc. Ing. Jan Moudrý, Ph.D. Mgr. Ing. Kristýna Perná, Ph.D. Dr. Ing. Jaromír Kadlec Ing. Iveta Bošková, Ph.D. Ing. Karina Pohlová Ing. Marcela Kormaňáková, Ph.D.
Geographical scope of applicability	The outputs are applicable throughout Czechia
Brief description	The project focuses on mapping the potential and supporting the involve-ment of local and organic agricultural production in institutional catering facilities. Its outputs are based on comprehensive analyses and calculations providing a basis for both expert publications and methodologies, the implementation of good practices, a series of workshops and a comprehensive summary report for the public administration. The practical implementation of these outputs is taking place in 2026. The summary report provides an overview of the results of the mapping and the processing of the data obtained. It presents a set of recom-mendations for practical measures pertaining to the introduction of locally produced food with the potential to increase the use of organic and local produce in school catering, both in volume and geographical area. The methodologies are tailored to the needs of the specific groups of stakeholders involved. The practical output is the established and mapped interconnection of a selected catering facilities with local farmers and food processing companies, involving regular deliveries of local and organic produce. As part of this step, a group of canteens was selected in three regions of Czechia. These were then used for the practical verification and documentation of model scenarios, including an economic evaluation focused on how the share of local food and organic produce affects the price of ingredients per portion. The previous outputs have been followed up on by a series of ten workshops held in individual regions (or pairs of neighbouring regions) of Czechia for relevant target groups. These included farmers and represen-tatives of food processing companies, catering establishments, founding authorities, local action groups, regions and municipalities, giving all an opportunity to learn about the results of the project and provide feedback.
Use in practice	Methodologies for the main stakeholder groups provide basic information relevant to each group. One important output is a realized example of correct practice. The practical verification and mapping of the impacts of local organic produce at selected canteens is an important source of information and a basis for argumentation. In addition, it serves as a practical guide that is easily transferable across Czechia. Practically oriented outcomes include workshops organized in individual regions in 2026. These are linked to other parallel activities (also outside the scope of the project) that serve to connect local farmers/processors with canteens and to inform founding authorities.
Partner(s) in the utilization of the result	Ministry of Agriculture of the Czech Republic

3

ENERGY PRICES

Full name of R&D project (within which the result was produced)	**'The impact of changes in the price of energy on the behaviour of the consumers and the investors in the Czech Republic'**
Registration number of R&D project	TAČR STA02024TS010
Project duration	5/2024–4/2026
Institutions / entities responsible	Brno University of Technology / Faculty of Electrical Engineering and Communication University of South Bohemia in České Budějovice / Faculty of Economics Institute of Technology and Business in České Budějovice
Authors / researchers of the project	From the Faculty of Economics of the University of South Bohemia in České Budějovice: doc. RNDr. Zuzana Dvořáková Líšková, Ph.D. doc. Ing. Tomáš Volek, Ph.D. doc. Ing. Martina Novotná, Ph.D. doc. Ing. Ivana Faltová Leitmanová, CSc.
Forms of use	☐ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ☐ Open-source

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Full name and acronym of the result	Models and interpretation of the effects of selected price levels on consumer and investor behaviour
Authors/originators of the result	The project's research team
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Register of R&D Results (RIV)
Geographical scope of applicability	National (with the possibility of wider applicability)
Brief description	The project is still in progress at the time of writing, so the items listed below are to be understood as its expected outputs. The project focuses on modelling and interpreting the effects of selected price levels on consumer and investor behaviour, including an assessment of policy, legislative and tax measures in the area of prices. The expected outputs include analytical studies and models focusing on price indicators, market elasticity and the responsiveness of economic agents to price changes, especially in the context of energy savings and the introduction of new technologies. The research focuses on the relationship between the environmental benefits of energy savings and their economic returnability, where informing investors and decision-makers plays a key role. The outputs of the project should provide a technical basis for understanding the socio-economic aspects of price regulation and market incentives in the areas of energy and sustainable development. Non-commercial use in the form of professional analytical outputs, studies and methodological documents is envisioned.
Use in practice	The expected outputs of the project will be usable as a professional basis for the design and adaptation of public policies and for devising market and regulatory instruments in the areas of pricing, energy and the promotion of new technologies. The results can serve public authorities, investors and think tanks in assessing the impact of pricing measures, in making decisions to invest in energy-efficient techologies, and in setting up mechanisms to support the market.
Partner(s) in the utilization of the result	Public administration bodies, analytical and research institutes, investors, experts

4

CIREVALC

Full name of R&D project (within which the result was produced)	**CIREVALC – Introducing and upscaling circular economy models in regional value chains in the food, catering and packaging sectors**
Registration number of R&D project	Interreg CE0100414
Project duration	4/2023–6/2026
Institutions / entities responsible	South Transdanubian Regional Innovation Agency, Hungary (lead partner)
Authors / researchers of the project	Ten partners, including the South Bohemian Agency for Innovation Support (JAIP – Jihočeská agentura pro podporu inovací)
Forms of use	■ Implementation in public administration ■ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

www.interreg-central.eu

Full name and acronym of the result	Introducing and expanding circular economy models in regional value chains in the sectors of catering and packaging
Authors/originators of the result	Ten partners, including the South Bohemian Agency for Innovation Support (JAIP – Jihočeská agentura pro podporu inovací)
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Register of R&D Results (RIV)
Geographical scope of applicability	The results of the project are available for the entire EU
Brief description	In Europe, almost ten per cent of all food intended for consumption get discarded. A circular economy could prevent much of this waste. However, businesses and regional planners often do not know how to apply its principles in practice. The CIREVALC project therefore helps them to make regional value chains in the food, catering and packaging sectors more circular through a community approach. The partners of the project are jointly designing and testing a new accelerator tool that will facilitate the green transition of businesses and local communities.
Use in practice	The CIREVALC programme is intended especially for small and medium-sized enterprises (SMEs) and organizations in the food, catering and packaging sectors that are ready to implement the principles of circular economy and are open to new ways of doing business, such as sustainable waste management, efficient use of resources and integration of new business models. Key outputs of the project: • the CIREVALC Community Accelerator • the CIREVALC Accelerator Network • a strategy and Central European action plan
Partner(s) in the utilization of the result	

5

CONE

Full name of R&D project (within which the result was produced)	**CONE – Cities of nature: nature-based-solutions in urban living labs**
Registration number of R&D project	Interreg CE0200766
Project duration	6/2024–11/2026
Institutions / entities responsible	South Transdanubian Regional Innovation Agency, Hungary (lead partner)
Authors / researchers of the project	UniSMART – Foundation of Padua University, Itálie (lead partner)
Forms of use	■ Implementation in public administration ■ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

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Full name and acronym of the result	• **Strategies and action plans** • **Guide - COMMON GUIDELINES FOR THE ESTABLISHMENT OF LOCAL LIVING LABORATORIES** • **Practical manuals for nature-based solutions**
Authors/originators of the result	Ten partners, including the South Bohemian Agency for Innovation Support (JAIP – Jihočeská agentura pro podporu inovací) and the City of České Budějovice
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Register of R&D Results (RIV)
Geographical scope of applicability	The results of the project are available for the entire EU
Brief description	Changes caused by the progressive warming of the planet are becoming an unpleasant everyday reality. Cities have become the epicentres of the effects of warming, which are putting a strain on the health of the urban population and its environment. Still, however, the inhabitants of European towns and cities are only marginally aware of the risks posed by climate change. For this to change, Europeans of all ages must take part. This is the topic of the CONE project, which aims to promote cooperation of towns and cities with the public in strengthening the resilience of the urban environment to climate change.
Use in practice	Over the course of the CONE project, 'living laboratories' (Urban Living Labs) are being set up in selected cities. Each of them represents a research and innovation 'ecosystems' composed of real-world environments, hands-on experiences, engagement of local residents and other stakeholders, and last but not least, knowledge sharing. The CONE project consists of five urban 'living labs' that will apply nature-based solutions within an interdisciplinary, digitally driven and more democratic approach to mitigation and adaptation to climate change in cities. These 'living laboratories' have been set up in Padua (Italy), Poljčane (Slovenia), Jászberény (Hungary), České Budějovice (Czechia) and Wejherowo (Poland). It addresses real-world problems of three types – urban overheating, stormwater management and climate change adaptation. The findings from these urban 'living labs' are evaluated and supported by a new transnational strategy for the implementation of urban greenery plans. Outputs from CONE project's 'living labs' will contribute to the development of new strategies for urban development planning.
Partner(s) in the utilization of the result	

6

DESTINACE

Full name of R&D project (within which the result was produced)	**Marketing decision support system DestinACE**
Registration number of R&D project	TAČR STA02024TS010
Project duration	1/2019–12/2022
Institutions / entities responsible	University of South Bohemia in České Budějovice / Faculty of Education University of South Bohemia in České Budějovice / Faculty of Economics University of West Bohemia in Pilsen / Faculty of Economics
Authors / researchers of the project	doc. Ing. Petr Štumpf, Ph.D. Ing. Viktor Vojtko, Ph.D. doc. Ing. Petr Janeček, Ph.D. Ing. Iveta Broučková, Ph.D. prof. Tadeja Jere Jakulin, Ph.D. Ing. Jaromír Polášek
Forms of use	■ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

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Full name and acronym of the result	Software: Marketing decision support system DestinACE
Authors/originators of the result	The project's research team
Type of intellectual property protection	Copyright Software – end product of a digital nature
Intellectual property rights recorded	Register of R&D Results (RIV)
Geographical scope of applicability	National/international online access
Brief description	The software DestinACE is used by destination managers to support strategic planning and decision-making at tourism destinations. Various scenarios of future development at a destination can be simulated by specifying alternative decisions and external conditions. For example, the tool can assist in decision-making on local charges, budgeting for marketing, selecting target visitor segments, quantifying future tourism revenues, or determining the environmental and impacts on local residents. The software is made available to users and distributed as a tool for decision-making support (not as a commercial product in the sense of selling licences).
Use in practice	The DestinACE software has practical applications as a management and analytical tool for tourism destinations. It enables strategic planning and provides ways to test the effects of marketing decisions, optimize the management of public funds and increase the efficiency of decision-making processes. The system can be used both in academic contexts (teaching, research) and in the practical management of destinations and tourist organizations.
Partner(s) in the utilization of the result	Destination managers, tourism organizations, regional and local authorities

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DOUBLE DEGREE

Full name of R&D project (within which the result was produced)	**International double-degree study programme in German studies at the University of South Bohemia in České Budějovice and the University of Passau**
Registration number of R&D project	Cross-border cooperation programme between the Czech Republic and the Free State of Bavaria ECA Objective 2014–2020; 318
Project duration	Completed in December 2022
Institutions / entities responsible	Institute of German Studies, Faculty of Arts, University of South Bohemia in České Budějovice
Authors / researchers of the project	From the University of South Bohemia in České Budějovice: prof. PhDr. Alena Jaklová, CSc. Dr. phil. Markéta Malá Ederová doc. Dr. habil. Jürgen Eder Mgr. Magdalena Malechová Ph.D. Bc. Alena Šmelhausová
Forms of use	☐ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

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Full name and acronym of the result	**• Creation of a joint double degree bachelor's programme for German studies and its inclusion in the study offer of both universities.** **• Intensifying cross-border cooperation between universities in the region of South Bohemia–East Bavaria.** **• Harmonizing education at the faculties of both partner universities and increasing the permeability of the education system on both sides of the border.** **• Breaking down barriers to cross-border education.**
Authors/originators of the result	From the University of South Bohemia in České Budějovice: prof. PhDr. Alena Jaklová, CSc.; Dr. phil. Markéta Malá Ederová; doc. Dr. habil. Jürgen Eder; Mgr. Magdalena Malechová, Ph.D.; Bc. Alena Šmelhausová
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Not applicable
Geographical scope of applicability	Increasing the employment of graduates in the humanities, primarily in the Czech Republic and the Federal Republic of Germany, and their potential employment throughout the EU
Brief description	• Breaking down barriers to cross-border education and increasing the permeability of the education system between the University of South Bohemia in České Budějovice and the University of Passau; • Deepening professional and intercultural competences of students of both universities; • Acquisition of communication skills; • Creation of study materials and e-learning resources, expansion of libraries; • A marketing campaign (meetings with secondary school students, marketing materials, advertising through social media, etc.); and • Project team meetings in person and online.
Use in practice	The enhancement of the professional and intercultural competences and communication skills of students of both universities is utilized in several ways: • The working teams remain in contact and academic cooperation continues after the end of the project. • The Bachelor's double-degree programme brings inspiration for the creation of other cross-border study programmes also at other faculties of both universities. • The main effect of the project is the foundation laid for intensive long-term cooperation in the field of higher education. • The employability of humanities graduates will increase in the labour market, especially in the Czech Republic and Germany, but also across the EU. • Double-degree graduates have broadened professional perspectives not only thanks to their improved language and cultural competencies, but above all their professional knowledge and skills. This puts them in good stead for working in organizations, institutions and companies operating in an international environment.
Partner(s) in the utilization of the result	The main partner of the project was the Department of German Studies of the Faculty of Arts of the University of South Bohemia (prof. PhDr. Alena Jaklová, CSc.) and the other project partner was the Faculty of Arts at the University of Passau (prof. Dr. Alexander Werth)

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FOREST BIOECONOMY

Full name of R&D project (within which the result was produced)	**'Diversification of the impact of the bioeconomy on strategic documents of the forestry–wood sector as a basis for state administration and the design of strategic goals by 2030'**
Registration number of R&D project	NAZV QK1920391
Project duration	1/2019–12/2021
Institutions / entities responsible	Czech University of Life Sciences Prague / Faculty of Forestry and Wood Sciences University of South Bohemia in České Budějovice / Faculty of Economics
Authors / researchers of the project	From the Faculty of Economics of the University of South Bohemia in České Budějovice: doc. Ing. Eva Cudlínová Eva, CSc., doc. RNDr. Zuzana Dvořáková Líšková, Ph.D. Bc. Josef Maxa Ing. et Ing. Nikola Sagapova, Ph.D. Ing. Roman Buchtele, Ph.D.
Forms of use	☐ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

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Full name and acronym of the result	Published outputs of the project – expert articles in peer-reviewed scientific journals (peer-reviewed articles in WoS, SCOPUS and other journals)
Authors/originators of the result	The project's research team
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Register of R&D Results (RIV)
Geographical scope of applicability	International/national
Brief description	As part of the project, a number of scientific articles have been published in international and national peer-reviewed journals. These constitute the main publication outputs of the project. The publications focus on key areas related to the subject of the project, in particular sustainable development, the bioeconomy, natural resource efficiency, and innovation in application practice. The articles provide new empirical insights and methodological approaches, for example, in the field of economic evaluation processes, analysis of operating costs, modelling of relevant natural and technological parameters, or the study of behavioural and educational aspects related to sustainable development. The published results expand the current state of knowledge, promote expert discourse and create a scientific basis for further research in relevant sectors. In summary, it can be said that the project's publishing activities have contributed to strengthening the scientific discourse in the field and the dissemination of results towards academia. The results are disseminated in the form of scientific publications in peer-reviewed journals; direct commercialization is not applied.
Use in practice	The published articles serve as a professional basis for further research activities, methodological support and decision-making processes in practice. The outputs are useful especially for professionals and institutions working on sustainable development, innovation in the bioeconomy and resource efficiency. The knowledge gained can be applied in strategic planning, devising recommendations, optimization processes and educational or information activities in relevant areas. The results also support the transfer of knowledge from research into practice.
Partner(s) in the utilization of the result	Professionals, research institutions, application partners in the relevant sector

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LOCAL SUSTAINABILITY

Full name of R&D project (within which the result was produced)	**Sustainable development on regional level – combining theory and practice**
Registration number of R&D project	TAČR TL02000012
Project duration	2/2019–1/2022
Institutions / entities responsible	Charles University / Environment Centre University of South Bohemia in České Budějovice / Faculty of Economics
Authors / researchers of the project	From the Faculty of Economics of the University of South Bohemia in České Budějovice: doc. Ing. Eva Cudlínová CSc. doc. RNDr. Zuzana Dvořáková Líšková, Ph.D. PhDr. Jan Vávra, Ph.D. doc. Ing. Dagmar Škodová Parmová, Ph.D. Ing. Iveta Šindelářová, Ph.D.
Forms of use	■ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

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Full name and acronym of the result	Methodology for increasing the capacity of local actors for sustainable regional development, certified by the Ministry of Regional Development on 27 July 2022
Authors/originators of the result	RNDr. Jana Dlouhá, Ph.D. doc. RNDr. Zuzana Dvořáková Líšková, Ph.D. PhDr. Marie Pospíšilová, Ph.D. Ing. Jiří Krist Ing. Mgr. Marek Hartych PhDr. Jan Vávra, Ph.D.
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Register of R&D Results (RIV)
Geographical scope of applicability	Countrywide
Brief description	The project has generated a set of specialist outputs. These include a certified methodology for lifelong learning, tools to support sustainable development at the local level, published technical articles and case studies, and online content (including portal materials) reflecting theoretical and empirical knowledge about participatory processes, development strategies, and strategies to engage local actors in the development of communities and regions. The methodology is being used to advance the capacity of local action groups and actors in sustainable development at the regional level. It is complemented by empirical data and procedures for assessment the impact of educational interventions. The results are published in a freely accessible form as scientific publications and methodologies without formal commercial protection.
Use in practice	The outputs serve as materials for educational activities, training courses and interventions in regional development, and as a theoretical and methodological framework for decision-making by public administration and community actors. They can serve as a basis for the development of strategic documents and local development plans.
Partner(s) in the utilization of the result	Local action groups, regional stakeholders, public administration, NGOs

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NRGCOM

Full name of R&D project (within which the result was produced)	**NRGCOM – Creating appropriate operational conditions for renewable energy communities in the Danube Region**
Registration number of R&D project	Interreg DRP0200163
Project duration	1/2024–6/2026
Institutions / entities responsible	South Transdanubian Regional Innovation Agency, Hungary (lead partner)
Authors / researchers of the project	13 partners, including the South Bohemian Agency for Innovation Support (JAIP – Jihočeská agentura pro podporu inovací)
Forms of use	☐ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

interreg-danube.eu

Full name and acronym of the result	**• Making institutional capacities available to 101 organizations** **• A tool kit for raising awareness on 'energy communities', including a motivational method, will be developed based on the results of pilot awareness-raising activities.** **• The White Paper on successful creation and more sustainable operation of energy communities**
Authors/originators of the result	13 partners, including the South Bohemian Agency for Innovation Support (JAIP – Jihočeská agentura pro podporu inovací)
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Register of R&D Results (RIV)
Geographical scope of applicability	The results of the project are available for the entire EU
Brief description	The NRGCOM project aims to strengthen the expansion of energy communities by creating an environment conducive to their proper functioning in the Danube region. NRGCOM is working on a multi-tiered approach, bringing together thirteen partner organizations and fourteen strategic partners from twelve countries, including local/regional/national authorities, energy, development and sectoral agencies, one EGTC, NGOs, interest groups, higher education and research institutions, and renewable energy service providers.
Use in practice	Within the framework of the project, partners review legal frameworks, analyse operational systems and administrative techniques of existing energy communities, and collect the best practices in the industry. This will allow them to develop policy recommendations aimed to remove barriers, to jointly design a model, and to prepare a strategy for creating the right conditions for the establishment of renewable energy sources in the Danube region. The project is centred around three main objectives: 1. setting the right conditions for the formation of energy communities in the Danube area; 2. raising awareness of the importance transitioning to renewable energy sources and supporting community initiatives; and 3. supporting energy communities in their proper and efficient operation in the Danube region. To expand the concept, partners of the project will create a network of 'ambassadors for renewable energy sources' to help mentor selected target groups that are the subject of pilot actions aimed at establishing and improving the functioning of renewable energy sources.
Partner(s) in the utilization of the result	Consortium of the project

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NUTRITIONAL UTILIZATION OF BY-PRODUCTS OF OILSEEDS

Full name of R&D project (within which the result was produced)	**'Processing of waste products obtained during oil extraction from oil crop seeds on new commodities with nutritional and health benefits'**
Registration number of R&D project	NAZV QK1910302
Project duration	01/2019–12/2023
Institutions / entities responsible	Recipient: University of South Bohemia in České Budějovice / Faculty of Agriculture and Technology Other participants: Agritec Plant Research, s.r.o. HEMP PRODUCTION CZ, s.r.o. Masaryk University / Central European Institute of Technology University of Chemical Technology in Prague / Faculty of Food and Biochemical Technology
Authors / researchers of the project	Principal researcher: doc. Ing. Jan Bárta, Ph.D. Další řešitelé: Ing. Marie Bjelková, Ph.D., Radek Říha, prof. RNDr. Zbyněk Zdráhal, Dr., prof. Ing. Vladimír Filip, CSc. Research team members: doc. Ing. Veronika Bártová, Ph.D., doc. Ing. Pavel Smetana Ph.D., Ing. Markéta Jarošová, Ph.D., Dr. Ing. Jaromír Kadlec, Ing. František Lorenc Ph.D., Václav Říha, Zlatuše Krejčová, Danuše Fridrichová, Mgr. Kamil Mikulášek, Mgr. Kateřina Hanáková Ph.D., Sri Ranjani Ganji Ph.D. M.Sc., doc. Ing. Jan Kyselka Ph.D., Ing. Erik Pešek, Ing. Markéta Berčíková Ph.D.
Forms of use	☐ Implementation in public administration ■ Implementation in the corporate sphere ■ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ☐ Open-source

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Full name and acronym of the result	Optimized procedures and methods for the processing of seed of selected minor oilseeds into oil and refined oilseed products
Authors/originators of the result	From the Faculty of Agriculture and Technology at the University of South Bohemia: doc. Ing. Jan Bárta, Ph.D. – coordinating author, doc. Ing. Veronika Bártová, Ph.D., Ing. Jan Bedrníček, Ph.D., Ing. Eva Jarošová, Ing. Markéta Jarošová, Dr. Ing. Jaromír Kadlec, Ing. František Lorenc, Ph.D., doc. Ing. Pavel Smetana, Ph.D., Ing. Adéla Stupková, Ph.D., Ing. Josef Švajner, Bc. Lenka Uhlířová, Technology at the University of Chemistry and Technology Ing. Erik Pešek, Ing. Markéta Berčíková, Ph.D., prof. Ing. Vladimír Filip, CSc., doc. Ing. Jan Kyselka, Ph.D. From Agritec: Ing. Marie Bjelková, Ph.D. (Agritec), HEMP PRODUCTION CZ, s.r.o.: Zlatuše Krejčová, Radek Říha, Václav Říha From the Central European Institute of Technology at Masaryk University: Mgr. Pavel Roudnický, Ph.D., prof. Ing. Zbyněk Zdráhal, Ph.D.
Type of intellectual property protection	Volně dostupná certifikovaná metodika
Geographical scope of applicability	Czechia
Brief description	Certified methodology developed by this project provides information on optimized procedures and methods for extracting oil from the seeds of selected oilseeds (flax, hemp, milk thistle and pumpkin) by cold pressing and for the subsequent processing of the obtained press cake into meals (flours) and their fractions with different contents of proteins, fats and other nutritionally valuable components. The methodology includes model examples of oilseed products being used for the preparation of pastry, confectionery and meat products, providing a realistic overview of the complex value of oilseeds. Its expected benefits lie in the availability of optimized procedures for streamlining and improving the quality of oil production from selected minor oilseeds by Czech producers. In 2020 Czech farmers produced1 583 tonnes of flax seeds and approximately 280 tonnes of hemp seeds, 800 tonnes of milk thistle seeds and 250 tonnes of pumpkin seeds. Taking this into account, pressing oil from only half of the seeds could have produced approximately 715 tonnes of oilseed meal. With the average price of oilseed meal at EUR 4/kg, the amount would be EUR 2,86 million. If by utilizing this methodology a mere 5% could be used for food industry purposes, the annual benefit would be worth more than EUR 140 000. The Czech Flax and Hemp Association has entered an agreement on the application of the certified methodology.
Use in practice	The certified methodology is used by members of the Czech Flax and Hemp Association as well as by the applicants of the project QK1910302 also through collaboration with academic staff and students, among others.
Partner(s) in the utilization of the result	Svaz lnu a konopí ČR, z.s. [Czech Flax and Hemp Association]

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POWER4BIO

Full name of R&D project (within which the result was produced)	**POWER4BIO – emPOWERing regional stakeholders**
Registration number of R&D project	European Union's Horizon 2020 research and innovation programme 818351
Project duration	10/2018–03/2021
Institutions / entities responsible	University of South Bohemia in České Budějovice / Faculty of Economics and other project partners
Authors / researchers of the project	doc. Ing. Eva Cudlínová, CSc. PhDr. Jan Vávra, Ph.D. doc. RNDr. Zuzana Dvořáková Líšková, Ph.D. Ing. et Ing. Nikola Sagapova, Ph.D. Ing. Sedlák Jiří prof. PhDr. Lapka Miloslav, CSc. Ing. Roman Buchtele, Ph.D. Bc. Josef Maxa
Forms of use	■ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ☐ Open-source

power4bio.eu

Full name and acronym of the result	Establishment of the South Bohemian Association for Bioeconomy (Jihočeský spolek pro bioekonomiku, z.s)
Authors/originators of the result	Researchers of the project
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Not applicable
Geographical scope of applicability	National (a regional platform with the prospect of international cooperation)
Brief description	The South Bohemian Association for Bioeconomy (JSBE, z.s.) is a non-profit organization formally established in August 2020 on the basis of the expert group of the project POWER4BIO. It is a regional platform for the bioeconomy and circular economy with the aim of promoting sustainable development, identifying and advocating for the interests of the bioeconomy, promoting them at the regional and national levels and implementing scientific research and technological innovation. The association brings together experts, institutions and stakeholders from academia and the application sphere. Its vision is to link traditional regional resources with new technologies and the development of circular and bioeconomic activities in the South Bohemia region. The output is not a commercial product. The association functions as a non-profit organization / platform for cooperation and knowledge sharing, and its activities are funded by grants, voluntary donations and partnership cooperation.
Use in practice	The association serves as a platform for sharing information, networking and coordinating activities in the field of bioeconomy. It mediates the exchange of experiences among its members, organizes professional events, proposes strategies, promotes the involvement of regional actors in policies and projects, and serves as a bridge between research and application practice. The output actively helps interconnect research institutions with the business sector and public administration, and thus support sustainable development.
Partner(s) in the utilization of the result	Academic institutions, regional organizations, public administration bodies, companies and stakeholders in the field of bioeconomy and circular economy

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PASTURAGE OF LARGE UNGULATES

Full name of R&D project (within which the result was produced)	**'Megaungulates grazing in nature and landscape conservation: Biodiversity and ecosystem services'**
Registration number of R&D project	TAČR SS03010232
Project duration	6/2021–5/2024
Institutions / entities responsible	University of South Bohemia in České Budějovice / Faculty of Science
Authors / researchers of the project	doc. Mgr. Martin Konvička, Ph.D. doc. Mgr. Eva Kaštovská, Ph.D.

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Full name and acronym of the result	Rewilding with large ungulates and ecosystem functions – soil, production and water-retention properties
Authors/originators of the result	Eva Kaštovská Jiří Mastný Martin Konvička
Type of intellectual property protection	Copyright, The Faculty of Science at the University of South Bohemia and the Czech Republic are equal owners of the intellectual property rights
Intellectual property rights recorded	Register of R&D results (peer-reviewed articles in WoS and SCOPUS journals)
Geographical scope of applicability	The whole of Czechia, potentially Europe and the world
Brief description	The result is a methodological material, approved and published by the project's application guarantor, the Nature Protection Agency of the Czech Republic. The material is based on the study of soil samples and plant biomass in thus-called 'grazing reserves' (i.e. areas rewilded using herds of large ungulates) across Czechia. Data show that the close-to-nature year-round grazing of large ungulates, provided that the year-round grazing load does not exceed the carrying capacity of the environment, rapidly increases the content of primary nutrients, the fraction of organic carbon and the water holding capacity of both the soil and vegetation. This happens regardless of the type soil and the vegetation conditions at the habitat.
Use in practice	Sites appropriately populated with large ungulates increase their retention of organic carbon by 0.1–0.7 of a tonne of carbon per hectare per year. In the long term, provided that the area grazed by large ungulates is sufficiently expanded, it can contribute substantially to the reduction of the annual emissions of the country. Rewilding 10% of the territory of Czechia would offset the emissions of 600,000 passenger cars. The increase in content of organic carbon in soils is correlated with an increase in the water holding capacity and with the content of nutrient and water in aboveground biomass. In a follow-up project of the Technology Agency of the Czech Republic (SQ01010203 – Rewilding of incomplete ecosystems by large ungulates in the context of the Nature Restoration Law), we are also preparing model implementing regulations for the widespread application of this method of restoring the ecological functions of landscapes, bearing the (provisional) trademark AIRM – Anthropocene-Integrated Restoration Management.
Partner(s) in the utilization of the result	The result has already drawn interest both from the Ministry of the Environment of the Czech Republic and from several farm enterprises considering rewilding by large ungulates as a means of obtaining carbon credits. In addition to the Nature Protection Agency, or the Ministry of the Environment, great interest has been expressed by important agricultural enterprises and smaller landowners that have so far been farming under different regimes of subsidized organic farming.
Forms of use	■ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

Full name and acronym of the result	Publication: **Rewilding by large ungulates contributes to organic carbon storage in soils** Journal of Environmental Management, 355, 120430 (2024)
Authors/originators of the result	Eva Kaštovská, Jiří Mastný, Martin Konvička
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Register of R&D Results (RIV)
Geographical scope of applicability	The whole of Czechia, potentially Europe and the world
Brief description	The result is an internationally published scientific basis for the 'applied' result mentioned above. It is based on the sampling of soils from eight thus-called grazing reserves scattered across Czechia that have been populated with Exmoor ponies, bred-back aurochs-like cattle of the Tauros lineage and European bison. Soil samples were subjected to standard analyses, and the obtained data were processed using both classical and multivariate statistical methods. The data show that close-to-nature year-round grazing of large ungulates, provided that the year-round grazing load does not exceed the carrying capacity of the environment, rapidly increases the content of primary nutrients in the soil, especially carbon in organic form, and increases its water holding capacity. The only parameter of soil fertility that was lower in the grazing reserves than in the controls was the content of soil phosphorus. The reason for this is that phosphorus accumulates in the bodies of animals, which is a strong argument for leaving their carcasses in natural pastures. A scientific article is by its nature a non-commercial result available for use by any subject. However, interest in it has long exceeded what is usual for scientific publications. The findings are being used by advocates of the 'rewilding' of ecosystems by introducing herds of large ungulates (such as the powerful non-govermental corporation 'Rewilding Europe') as well as by agricultural and environmental strategists in Czechia and abroad.
Use in practice	The result has provided a major boost to advocates of trophic rewilding (= rewilding by large ungulates, = close-to-nature free grazing) both in general and to their individual projects. He has turned a hobby of herding bison or feral horses into an important tool for the restoration of ecosystem services, in particular improving soil health and the accumulation of organic carbon.
Partner(s) in the utilization of the result	Currently the Nature Protection Agency of the Czech Republic and the Ministry of the Environment of the Czech Republic. In the longer perspective, we expect strategic interest from the Ministry of Agriculture of the Czech Republic, as well as from the Czech government, with regard to meeting the thus-called carbon and decarbonization targets and to the Nature Restoration Law of the EU.
Forms of use	☐ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

Full name and acronym of the result	Publication: **Trophic rewilding by large herbivores reduces plant nitrogen and water limitation across seven sites irrespective of their edaphic conditions** Science of the Total Environment, 973, 179141 (2025)
Authors/originators of the result	Eva Kaštovská, Jiří Mastný, Michal Choma, Petr Čapek, Miloslav Jirků, Martin Bitomský, Martin Konvička
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Register of R&D Results (RIV)
Geographical scope of applicability	The whole of Czechia, potentially Europe and the world
Brief description	The result is an internationally published scientific basis for the 'applied' result outlined above. It is based on the sampling of above- and belowground plant biomass from a selection of thus-called grazing reserves scattered across Czechia that have been populated with Exmoor ponies, bred-back aurochs-like cattle of the Tauros lineage, or European bison. Biomass was sampled twice a year (in late spring and early autumn), along with the content of dry matter, water saturation, elemental composition and the relative content of primary biogenic elements. The data were further analysed using structural equation modelling, which allows for the tracing of probable causal relationships between numerous potential predictors. The results show that although habitats populated with large ungulates have significantly lower aboveground biomass than controls, their belowground biomass is comparable. Most importantly, however, this aboveground plant bioimass is of greater forage quality, contains more organically bound nitrogen quality and has a higher water-holding capacity. Such behaviour of a system is conditioned on year-round grazing not exceeding the carrying capacity of the environment absent supplemental feeding in winter. A scientific article is by its nature a non-commercial result available for use by any subject. However, interest in it has long exceeded what is usual for scientific publications. The findings are being used by advocates of the 'rewilding' of ecosystems by introducing herds of large ungulates (such as the powerful non-govermental corporation 'Rewilding Europe') as well as by agricultural and environmental strategists in Czechia and abroad.
Use in practice	The result has provided a major boost to advocates of trophic rewilding (= rewilding by large ungulates, = close-to-nature free grazing) both in general and to their individual projects. He has turned a hobby of herding bison or feral horses into an important tool for the restoration of ecosystem services, in particular improving soil health and the accumulation of organic carbon.
Partner(s) in the utilization of the result	Currently the Nature Protection Agency of the Czech Republic and the Ministry of the Environment of the Czech Republic. In the longer perspective, we expect strategic interest from the Ministry of Agriculture of the Czech Republic, as well as from the Czech government, with regard to meeting the thus-called carbon and decarbonization targets and to the Nature Restoration Law of the EU.
Forms of use	☐ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

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FISHPOND AQUACULTURE

Full name of R&D project (within which the result was produced)	**'Optimalisation of supplemental feeding and management of pond aquaculture'**
Registration number of R&D project	QK22010177
Project duration	1/2022—12/2025
Institutions / entities responsible	University of South Bohemia in České Budějovice / Faculty of Fisheries and Protection of Waters Štičí líheň – ESOX, spol. s.r.o.
Authors / researchers of the project	doc. Ing. Jan Mráz, Ph.D. MSc. Koushik Roy, Ph.D. Ing. Lenka Miláček Kajgrová, Ph.D. Ing. Jana Lososová Ing. Jaroslav Bernas, Ph.D. Ing. Pavel Lepič, Ph.D. Ing. Radek Zdeněk, Ph.D. RNDr. Aleš Tomčala, Ph.D. Ing. Martin Bláha, Ph.D. prof. RNDr. Jaroslav Vrba, CSc. Mgr. Ing. Oldřich Pecha (Štičí líheň – ESOX, spol. s.r.o.) Ing. Jaromír Dvořák (Štičí líheň – ESOX, spol. s.r.o.)

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Full name and acronym of the result	**'Innovative methodology for carp supplementary feeding in ponds using assessment of the nutritional status of the pond ecosystem and selection of appropriate feed'**
Authors/originators of the result	MSc. Koushik Roy, Ph.D. doc. Ing. Jan Mráz, Ph.D.
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Certificate of the Ministry of Agriculture of the Czech Republic No. MZE-89974/2025-16232
Geographical scope of applicability	Czechia (fish farms), with potential to be used in Central Europe
Brief description	Methodology presents an innovative way to supplement the diet of carp in fishponds based on the actual nutritional status of the pond ecosystem. It enables the identification limiting nutrients and their targeted replenishment to increase feed efficiency and promote fish growth. At the same time, it contributes to reducing nitrogen and phosphorus levels in the water, reduces the risk of eutrophication and improves the ecological stability of production waters. The methodology thus links production efficiency with environmental protection and constitutes a practically applicable tool for sustainable fish farming. Under a technology transfer agreement, the methodology is being applied in the operational practice of a fish farm and is provided to users as a tool for managing overfeeding during the plant growing season. The methodology is followed up on by a technological solution, protected by a utility model, which enables the production of a specialized feed mixture for the second half of the season. The result is ready for wider commercial use, including possible licensing in collaboration with animal feed manufacturers.
Use in practice	The methodology is intended for practical use by pond managers as a decision-making instrument for managing the supplemental feeding of carp stocks during the plant growing season. Based on the monitoring of selected parameters of the pond ecosystem, it makes it possible to determine the appropriate moment when to switch from traditional cereal feed to a nutritionally optimized mixture and to adjust its composition according to the current situation in the pond. The result has been put into use under a signed agreement and is ready for wider application in fishery practice. The methodology is followed up on by a technological solution, protected by a utility model, supporting its practical application.
Partner(s) in the utilization of the result	Štičí líheň – ESOX, spol. s r.o.
Forms of use	■ Implementation in public administration ■ Implementation in the corporate sphere ■ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ☐ Educational use ☐ Patent/Utility Model ☐ Open-source

Full name and acronym of the result	Supplemental feeding of the common carp in the second half of the growing season
Authors/originators of the result	doc. Ing. Jan Mráz, Ph.D. Ing. Ondřej Nikl MSc. Koushik Roy, Ph.D.
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Industrial Property Office of the Czech Republic – utility model No. 39011
Geographical scope of applicability	Czechia (fish farms), with potential to be used in Central Europe
Brief description	The result is a specially formulated feed mixture intended for supplementing the diet of the common carp during the second half of the plant growing season, when the amount of natural food in ponds decreases. The composition of the feed is designed for the targeted replenishment of deficient nutrients, in particular high-quality protein and essential amino acids, while ensuring a balanced ratio of energy and protein content. The aim is to increase the efficiency of fish growth, improve nutrient utilization and reduce the burdening of the aquatic environment by nitrogen and phosphorus. The feed is protected by a utility model and is intended for practical use in pond aquaculture. It is conceived as a specialized feed mixture for the second half of the plant growing season. The feed formula is ready for production and commercial distribution through fish feed producers or for licensing.
Use in practice	The feed is intended for the supplemental feeding of the common carp during the second half of the plant growing season, typically from July to October, when the natural food supply in ponds decreases. It is applied in the form of granules (pellets or extrudate) via commonly used feeding devices, such as automatic feeders. The dosage is adapted to the weight of the fish stock and the current environmental conditions to increase the efficiency of fish growth and improve nutrient utilization while reducing water pollution. Štičí líheň – ESOX, spol. s r.o.
Partner(s) in the utilization of the result	Štičí líheň – ESOX, spol. s r.o.
Forms of use	☐ Implementation in public administration ■ Implementation in the corporate sphere ■ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ☐ Educational use ☐ Patent/Utility Model ☐ Open-source

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SIP

Full name of R&D project (within which the result was produced)	**SIP–SME Service Innovations Process for SMEs**
Registration number of R&D project	Interreg V-A ATCZ16
Project duration	1/2017–12/2019
Institutions / entities responsible	Fachhochschule Oberösterreich Forschungs & Entwicklungs GmbH University of South Bohemia in České Budějovice / Faculty of Economics South Bohemian Science and Technology Park (Jihočeský vědeckotechnický park) Business Upper Austria – OÖ Wirtschaftsagentur GmbH
Authors / researchers of the project	From the Faculty of Economics of the University of South Bohemia in České Budějovice: doc. Ing. Ladislav Rolínek, Ph.D. (hlavní řešitel) doc. RNDr. Zuzana Dvořáková Líšková, Ph.D. doc. Ing. Pavel Štrach, Ph.D. Ing. Irena Stejskalová, Ph.D. Mgr. Radim Remeš, Ph.D. doc. Ing. Petr Řehoř, Ph.D. doc. Dr. Ing. Dagmar Škodová Parmová doc. Ing. Růžena Krninská, CSc. doc. Ing. Jaroslav Vrchota, Ph.D.
Forms of use	☐ Implementation in public administration ■ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ☐ Open-source

www.jvtp.cz

keep.eu

Full name and acronym of the result	Methodological and software tool for supporting innovation management SIP-SME
Authors/originators of the result	South Bohemian Science and Technology Park (Jihočeský vědeckotechnický park, a.s., Czechia) University of South Bohemia in České Budějovice (Czechia) Fachhochschule Oberösterreich – University of Applied Sciences Upper Austria (Austria) Business Upper Austria – OÖ Wirtschaftsagentur GmbH (Austria)
Type of intellectual property protection	Copyright
Intellectual property rights recorded	International
Geographical scope of applicability	National (a regional platform with the prospect of international cooperation)
Brief description	The methodological and software tool SIP–SME (Services in Innovation Process for Small and Medium-Sized Enterprises) is a comprehensive solution designed to support innovation management and for evaluating the innovation potential of small and medium-sized enterprises. The tool has been developed as part of an international project conducted under the programme Interreg V-A Austria–Czech Republic in cooperation with research organizations and innovation support institutions from Czechia and Austria. The main objective of the project was to strengthen the ability of enterprises to systematically manage innovation, to increase their readiness to implement innovation plans and to contribute to the strengthening of their competitiveness in the regional and international environment. The SIP–SME tool aids the self-assessment of a company's innovation potential or for assessing the readiness of a specific planned innovation. It helps users to take a look at an intended innovation in a broader context and to identify key factors that may influence the success of its implementation. It helps businesses name their strengths that foster innovation, while at the same time highlighting areas that may present obstacles or risks. This approach allows companies to gain a comprehensive overview of their own capabilities and create a foundation for effective planning and implementation of innovative activities. The methodology behind the tool is based on the principle of structured self-assessment.
Use in practice	SIP–SME is used as a practical tool for the self-assessment of a company's innovation potential or for assessing the readiness of a specific innovation plan. In a software application, users fill out a structured evaluation questionnaire, based on which the tool analyses the level of innovation management in the organization and provides clear feedback. This includes a list of strengths and weaknesses, warnings of potential risks and recommendations on specific measures to improve innovative processes. Outputs of the tool serve as a basis for strategic decision-making by managers, planning innovation activities, increasing the efficiency of resource use, and systematic improvement of the organisation's innovation performance. The tool can be used repeatedly to monitor progress and evaluate measures being implemented.
Partner(s) in the utilization of the result	The result is being exploited mainly in partnership with organisations that have participated in the realization of the project and support innovation in the corporate environment, namely: the Jihočeský vědeckotechnický park, a.s.; the University of South Bohemia in České Budějovice; the Fachhochschule Oberösterreich – University of Applied Sciences Upper Austria; and Business Upper Austria – OÖ Wirtschaftsagentur GmbH. Other partners in the use of the result are small and medium-sized enterprises that utilize the tool in the evaluation and management of their innovation activities, as well as organisations providing consultancy, innovation and training services.

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HUMAN SPIRITUALITY

Full name of R&D project (within which the result was produced)	**Human spirituality in the context of helping professions an Éta project of the Technology Agency of the Czech Republic**
Registration number of R&D project	TL02000147
Project duration	1/2019–2/2022
Institutions / entities responsible	University of South Bohemia in České Budějovice / Faculty of Theology
Authors / researchers of the project	prof. Tomáš Machula, Ph.D., Th.D. PhDr. Bedřich Jetelina, Th.D. Mgr. Helena Machulová, Ph.D.
Forms of use	■ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

nebojse.eu

Full name and acronym of the result	Audiovisual materials on the topic of human spirituality for helping profession—NEBOJ SE [= DONT'T BE AFRAID]
Authors/originators of the result	prof. Tomáš Machula, Ph.D., Th.D. PhDr. Bedřich Jetelina, Th.D. Mgr. Helena Machulová, Ph.D.
Type of intellectual property protection	Copyright, at the time of filing protected as a trade secret (in accordance with the New Civil Code)
Intellectual property rights recorded	Register of R&D results (peer-reviewed articles in SCOPUS journals)
Geographical scope of applicability	National
Brief description	The website nebojse.eu provides a diversity of materials mainly on the spirituality of the terminally ill. It is prepared in such a way that it provides both the professional and lay public with sufficient support for caring for the terminally ill as well as for keeping them company, especially in the area of spirituality, which is often overlooked because it is difficult to reflect with the patient. The outputs of the project are intended for both the professional and lay public involved with palliative care. They mainly include educational materials that can bring improvement to the quality of life of the ill as well as of non-institutional caregivers.
Use in practice	A website with audiovisual content can help improve the quality of the lives of terminally ill people and individuals with dementia. It can help the ill in the final stage of life meet their spiritual needs and thus increase their quality of life at its very end. It can also help to rectify relationships within the family and protect family members from possible trauma caused by unresolved relationship problems. Satisfying the spiritual needs of people with dementia improves their communication skills and helps them perceive their own identity for as long as possible. Working with the spiritual needs of these two target groups can ultimately contribute to a paradigm shift in the care for these patients. For this paradigm shift to be achieved, care staff and other caregivers need to be taught how to perceive and fulfil the spiritual needs of the ailing.
Partner(s) in the utilization of the result	

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SQS

Full name of R&D project (within which the result was produced)	**Spaces of quiet sustainability: self-provisioning and sharing**
Registration number of R&D project	GAČR GA19-10694S
Project duration	1/2019–12/2021
Institutions / entities responsible	University of South Bohemia in České Budějovice / Faculty of Economics Masaryk University / Faculty of Science
Authors / researchers of the project	From the Faculty of Economics of the University of South Bohemia: PhDr. Jan Vávra Ph.D. prof. PhDr. Miloslav Lapka, CSc. Ing. Roman Buchtele, Ph.D.
Forms of use	☐ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

starfos.tacr.cz

tichaudrzitelnost.geogr.muni.cz

Full name and acronym of the result	Published outputs of the project – expert articles in peer-reviewed scientific journals
Authors/originators of the result	The research team of the project
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Register of R&D Results (RIV)
Geographical scope of applicability	International/national
Brief description	The project has produced a set of peer-reviewed articles published in journals that address sociological and geographical aspects of subsistence and food sharing, domestic food production practices and their environmental impacts, the importance of gardens as spaces for everyday sustainability, and changing interpretations pertaining to food self-sufficiency strategies. These publications combine qualitative and quantitative research utilizing mainly sociological methods, reflecting cultural, economic and environmental contexts of food self-sufficiency and its community forms in Central Europe. Publications in peer-reviewed journals; results are disseminated through open access channels or academic databases.
Use in practice	The results presented in the articles can be used as a scientific basis for further research in the social sciences, as a basis for the formulation of public policies promoting sustainable forms of food production and for the development of programmes for the community-based support of self-sufficiency. The knowledge gained helps to understand the motivations, environmental aspects and space distribution of informal production and sharing networks. This can also assist in the practice of NGOs, local government bodies or educational programmes.
Partner(s) in the utilization of the result	

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POPULATION AGEING IN V4 COUNTRIES

Full name of R&D project (within which the result was produced)	**Are countries of the Visegrad Group (V4) ready for the consequences of population aging?**
Registration number of R&D project	Visegrad Fund ID22010034
Project duration	6/2020–11/2021
Institutions / entities responsible	University of South Bohemia in České Budějovice / Faculty of Economics
Authors / researchers of the project	doc. RNDr. Renata Klufová, Ph.D. doc. RNDr. Zuzana Dvořáková Líšková, Ph.D. doc. RNDr. Jana Klicnarová, Ph.D. Ing. Nikola Soukupová, Ph.D. Ing. Markéta Kocourková, Ph.D.

www.visegrad-population-aging.eu

Full name and acronym of the result	International online workshop for project partners focused on population ageing in the V4 countries
Authors/originators of the result	Research team of the project
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Register of R&D Results (RIV)
Geographical scope of applicability	International (countries of the Visegrad Group)
Brief description	The outcome of the project was an international online workshop of its partners, held on 21 May 2021. Its aim was to compare existing research results, present interim findings and coordinate the creation further scientific outputs of the project, in particular the planned monograph and related scientific publications. The workshop was structured into thematic blocks devoted to the historical and contemporary development of the population in countries of the V4 group, to population projections for the period 2020–2050, to the results of a questionnaire survey, and to the economic and social consequences of population ageing. The programme included specialized presentations by researchers from each country, moderated discussions with stakeholders and experts, and a final summary with suggestions for further cooperation.
Use in practice	The workshop served as a means of coordination and dissemination for the project, enabled the sharing of ongoing research results between partners, their expert confrontation and harmonization of methodological procedures. The outputs of the workshop have been used in the preparation of other scientific outputs (monographs, articles) and as a basis for discussions with stakeholders on the impact of population ageing on public policies in the V4 countries.
Partner(s) in the utilization of the result	Project partners; the professional and academic community; and relevant stakeholders in the fields of demography, social and economic policy.
Forms of use	☐ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ☐ Open-source

Full name and acronym of the result	**The monograph produced by the project deals with the topic of population ageing in V4 countries: 'Are countries of the Visegrad Group (V4) ready for the consequences of population aging?'**
Authors/originators of the result	The research team of the project
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Register of R&D Results (RIV)
Geographical scope of applicability	International (Visegrad Group countries, wider European context)
Brief description	The output of the project is a monograph by a team of authors, created in cooperation with all project partners based on coordinated preparation and ongoing communication between experts. The monograph is available in national language versions online (CZ, HU, PL) and in a printed English version. It is divided into seven chapters and its main objective is to comprehensively assess the current status and causes of demographic ageing in the Visegrad Group countries within a broader historical and socio-economic context. The monograph also includes the results of an international questionnaire survey initiated by the Faculty of Economics of the University of South Bohemia in České Budějovice. It focused on the opinions of experts on the preparedness of the V4 countries for the consequences of population ageing. The results of the survey are comparatively analysed in one of the chapters of the monograph.
Use in practice	The monograph serves as a professional and educational material for the academic community, students of social and economic sciences, and professionals dealing with demographic development. It can be used as an analytical basis for further research, for teaching at universities and as a reference material for the professional debate on public policies responding to population ageing in the countries of the V4.
Partner(s) in the utilization of the result	Academic institutions, universities, research organisations, experts in the fields of demography and social and economic policy
Forms of use	☐ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ☐ Open-source

Full name and acronym of the result	Methodological recommendations for addressing the consequences of population ageing in the V4 countries
Authors/originators of the result	The research team of the project
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Register of R&D Results (RIV)
Geographical scope of applicability	Mezinárodní (země Visegrádské skupiny)
Brief description	International (countries of the Visegrad Group) The outcome of the project consists of methodological recommendations developed based on cooperation between the project's partners, of the results of expert analyses presented at a joint international workshop, and of an international questionnaire survey conducted in all four Visegrad countries. The recommendations have been structured into eight key areas reflecting the main challenges associated with population ageing.
Use in practice	The methodological recommendations can be used as a foundation for coining and modifying public policies, strategies and measures in social, health and regional policy.
Partner(s) in the utilization of the result	Public authorities, regional and local governance bodies, providers of social and health services, and expert and analytical institution
Forms of use	■ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ☐ Open-source

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TEFE AND TEFE A+: INTERNATIONALIZATION OF TEACHER EDUCATION THROUGH INTERNATIONAL TEACHING PRACTICE

Full name of R&D project (within which the result was produced)	**Teachers of English for Future Europe (TEFE): EU Mobility and Employability through the Internationalisation of Teaching Practice; Teachers of English for Future Europe – Putting the Internationalisation of Teaching Practice into Action (TEFE A+)**
Registration number of R&D project	TEFE: 2020-1-CZ01-KA203-078201 TEFE A+: 2023-1-CZ01-KA220-HED-000161134
Project duration	2020–2026
Institutions / entities responsible	University of South Bohemia in České Budějovice / Faculty of Arts / Institute of English Studies
Authors / researchers of the project	International team of academics, mentors and students of teaching, coordinated by the Institute of English Studies at the Faculty of Arts of the University of South Bohemia within the framework of the TEFE A+ consortium of universities: University of South Bohemia in Ceske Budejovice (CZ) Aston University (UK) Comenius University in Bratislava (SK) Eötvös Lorand University, (HU) Jagellonian University (PL) Public University of Navarra (SP) University of Passau (DE)
Forms of use	☐ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

tefe.online

Full name and acronym of the result	Publication: **TEFE Framework for the Internationalisation of Teaching Practice and Employability. Comenius University Bratislava.** ISBN (online): 978-80-223-5696-1
Authors/originators of the result	International research and application team of the TEFE and TEFE A+ projects (Institute of English Studies of the Faculty of Arts at the University of South Bohemia and partner universities)
Type of intellectual property protection	Copyright, open educational and methodological output (open access, Creative Commons CC-BY-NC-ND 4.0)
Intellectual property rights recorded	Register of R&D Results (RIV)
Geographical scope of applicability	Czechia (including regional and rural schools) The European Union Use in teacher education internationally
Brief description	The project initiatives TEFE and TEFE A+ address current needs of educational systems in Europe, in particular the growing importance of internationalization, sustainability and the preparation of teachers to work in culturally and linguistically diverse environments. The main objective of the projects is to innovate the preparation of future teachers of English through the introduction of international teaching practice (ITP) as a standard and systematically supported part of their higher education studies. A key output from the TEFE project is the TEFE Framework, a competency framework aimed at developing the professional, intercultural and reflective skills of student of teaching. The follow-up project TEFE A+ extends this approach by emphasizing global civic competence, democratic values and sustainability. The project highlights the fact that quality education and decent working conditions for teachers are key for both urban and rural regions, where schools often play a crucial role in community life.
Use in practice	In practice, the results of the TEFE and TEFE A+ projects are used mainly in university teacher training. However, their impact also extends to the everyday functioning of primary and secondary schools. The activities of the project also strengthen international professional networks connecting schools and universities. The TEFE and TEFE A+ projects thereby contribute to innovation in education, improving the quality of the teacher profession and strengthening the role of schools as centres of community and regional development.
Partner(s) in the utilization of the result	Primary and secondary schools in Czechia and abroad Universities preparing teachers Students and mentors of teaching

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TEX-DAN

Full name of R&D project (within which the result was produced)	**TEX-DAN – Moving forward with circularity in textile and fashion value chains** (program Interreg Danube Region)
Registration number of R&D project	Interreg DRP0200163
Project duration	4/2024–6/2026
Institutions / entities responsible	South Transdanubian Regional Innovation Agency, Hungary (lead partner)
Authors / researchers of the project	14 partners, including the South Bohemian Agency for Innovation Support (JAIP – Jihočeská agentura pro podporu inovací)
Forms of use	☐ Implementation in public administration ■ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

interreg-danube.eu

Full name and acronym of the result	TEX-DAN – Moving forward with circularity in textile and fashion value chains
Authors/originators of the result	14 partners, including the South Bohemian Agency for Innovation Support (JAIP – Jihočeská agentura pro podporu inovací)
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Register of R&D Results (RIV)
Geographical scope of applicability	The results of the project are available for the entire EU
Brief description	The circular economy is about reducing waste and maintaining the economic value of products, materials and resources for as long as possible. Waste reduction can be broken down into several types: from reducing the use of natural resources and energy to changing the design of products to aid recycling and to cooperation between business, where waste from one industry is an input material for another. The TEX-DAN project aims to support the introduction of new technologies and innovative business models to improve circularity in value chains in the textile and fashion (T&F) industry through transnational cooperation in the Danube region. The main accent is on four areas: bio-economic clothing, circular design, circular manufacturing processes, and recycling. A total of 14 partners are involved in the project. From Czechia it is the South Bohemian Agency for Innovation Support (JAIP – Jihočeská agentura pro podporu inovací, o.p.s.) Other partners are from Hungary, Slovakia, Serbia, Slovenia, Romania, Bosnia and Herzegovina, Croatia, Bulgaria, Moldova, and Austria.
Use in practice	The TEX-DAN project actively supports the transformation of the textile and fashion industry through awareness campaigns by linking key market players and educational programmes. The purpose of these targeted activities is to stimulate positive change and innovation in these sectors. The objective of the project are: 1. to improve local, regional and national policy conditions in the textile and fashion industry in the Danube region; 2. to further the acceptance of technologies used in the value chain; and 3. to bring about transnational cooperation in the textile and fashion industry expanding the use of technologies enabling increased circularity.
Partner(s) in the utilization of the result	

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INDICATORS OF RURAL DEVELOPMENT AND THE IMAGE OF THE COUNTRYSIDE

Full name of R&D project (within which the result was produced)	**'Indicators of development of the Czech rural areas and analysis of its image as a part of the evaluation of the rural development concept implementation'**
Registration number of R&D project	TAČR TITBMMR103
Project duration	3/2023–2/2024
Institutions / entities responsible	PROCES – Centrum pro rozvoj obcí a regionů, s.r.o. [Centre for Municipal and Regional Development, Ltd.]
Authors / researchers of the project	doc. Ing. Lubor Hruška, Ph.D. PhDr. Andrea Hrušková Ing. Ivana Foldynová, Ph.D. Ing. Petr Proske Ing. David Kubáň Mgr. Martina Melárová
Forms of use	■ Implementation in public administration ☐ Implementation in the corporate sphere ☐ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ■ Educational use ☐ Patent/Utility Model ■ Open-source

starfos.tacr.cz

Full name and acronym of the result	Rural development indicators (NmetC) Rural image assessment (NmetC)
Authors/originators of the result	doc. Ing. Lubor Hruška, Ph.D. PhDr. Andrea Hrušková Ing. Ivana Foldynová, Ph.D. Ing. Petr Proske Ing. David Kubáň Mgr. Martina Melárová
Type of intellectual property protection	Copyright
Intellectual property rights recorded	Register of R&D Results; the provider is the owner of the intellectual property rights
Geographical scope of applicability	The methodologies are primarily aimed at rural areas as defined for the Rural Development Concept. Nevertheless, they are applicable essentially throughout Czechia
Brief description	Both certified methodologies are being used to evaluate the meeting of the targets of the Rural Development Concept. The first part of the vision of the Rural Development Concept, which is under the heading 'The countryside is a good place to live in 2027', is assessed through a proposed set of indicators tied to objectives that to lead to the fulfilment of this part of the vision. The second part of the vision, entitled 'The countryside is an area said to be good to live in 2027', is assessed through a methodology for evaluating the image of rural areas.
Use in practice	The 'Indicators of Rural Development' methodology includes a set of valid indicators based on available data applicable both at the level of the general vision and that of individual objectives. Their number has been optimized to maximize explanatory value while keeping the system easy to understand. The methodology includes baseline values for the indicators established during its first application in 2023 along with accompanying details (data source, unit of measurement and desired trend). Regularly monitored data from existing databases are used, obviating the need for new surveys to be conducted by the Ministry of Regional Development. The certified methodology 'Assessment of Rural Land Use' presents a practical tool for assessing the image of rural areas of Czechia as a distinct typological region. Being based on a social constructivist approach, it combines the analysis of social discourse (based on documents, printed materials and web resources) with expert questioning. By assessing agreement with positive and negative narratives, the methodology evaluates the extent to which the countryside is perceived as a good place to live. The outputs are directly usable for the design, adaptation and evaluation of rural development policies and for strategic communication. The application of the methodology during its validation in 2023 has resulted in the finding that agreement with positive narratives slightly prevails.
Partner(s) in the utilization of the result	The Ministry for Regional Development of the Czech Republic

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NUTRIENT CAPTURE AND RECYCLING AT OUTLETS OF FISH PONDS

Full name of R&D project (within which the result was produced)	**Nutrient capture and recycling at outlets of fishponds** **Technological and species diversification of production fisheries in Czechia for promoting efficiency and competitiveness**
Registration number of R&D project	Operational Programme for Fisheries CZ.10.2.101/2.1/0.0/15_001 /0000028 National Agency for Agricultural Research (NAZV) QK22020144
Project duration	1/2022–12/2024
Institutions / entities responsible	University of South Bohemia in České Budějovice / Faculty of Fisheries and Protection of Waters University of South Bohemia in České Budějovice / Institute of Aquaculture and Protection of Waters
Authors / researchers of the project	Ing. Ján Regenda, Ph.D. Ing. Pavel Hartman, CSc.
Forms of use	☐ Implementation in public administration ■ Implementation in the corporate sphere ■ Commercialization (sales/licensing) ■ Methodological use ☐ Publication use ☐ Educational use ☐ Patent/Utility Model ☐ Open-source

www.frov.jcu.cz

Full name and acronym of the result	Options for improving water quality at the outlets of fishponds
Authors/originators of the result	Ing. Ján Regenda, Ph.D. Ing. Pavel Hartman, CSc.
Type of intellectual property protection	Industrial rights Verified technology
Intellectual property rights recorded	FROV JU
Geographical scope of applicability	National
Brief description	During the harvesting of fishponds, part of the sediment deposited in the pond basin get released into lower reaches of the catchment. Thus, sediment displacement occurs within the pond system. Along the way, however, the sediment material may get contaminated by pollutants. It is therefore advantageous to capture leaking sediment in the upper reach of the pond system and use it to fertilize fields or ponds. For this purpose, a strategy was developed for building temporary barriers of straw (or hay) bales in the outlets of ponds. Through sedimentation, these barriers can trap up to 90% of suspended solids and total phosphorus in the water at the outlet. Usually, at least two, or preferably more, barriers are placed sufficiently far from the dam or stilling basin so as not to restrict the outflow from the pond. Also important was access for machinery (a lorry and an excavator) to the area downstream of the pond during their subsequent removal. It was therefore always necessary to carefully consider where the barriers would be built. It is desirable to take advantage of the smallest possible slope of the outflow channel when building barriers in order to maximize their accumulation capacity. The height of the barriers corresponds with the depth of the channel in the given section (max. 3 layers of bales). On some ponds, side wings were built from one layer of bales. After the pond is harvested, the bales together with the captured sediment, are removed used as compost, fertilizer, etc.
Use in practice	This technology finds its application especially at smaller ponds with adequate spatial conditions for the placement and removal of temporary barriers made of straw (hay) bales. It is one of the recommended techniques that has been identified to reduce the input of phosphorus into the aquatic environment in a feasibility study on measures to reduce phosphorus input to the Orlík reservoir on the river Vltava. It is advisable to place them at the beginning of pond systems, where there is little risk of the sediment getting contaminated by pollutants. It is a simple, inexpensive and functional technique for improving the condition of a river catchment. It effectively reduces in-filling of low-lying ponds. The result is covered by an agreement on the verification and application of the technology concluded with the project partner. It is also available for free use by anyone.
Partner(s) in the utilization of the result	Blatenská ryba, spol. s r.o.

NOTES

All information contained in this catalogue and additional details about the conference and discussion panel can also be found online at:
www.ef.jcu.cz/cz/veda-a-vyzkum/venkov-fandi-inovacim

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The event was organized under the auspices of the Rector of the University of South Bohemia in České Budějovice and the Minister of Regional Development of the Czech Republic.

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