

H2020 projects

Project nr.	Acronym	Title	Start date	End date	Abstract
862900	Soils4Africa	Soil Information System for Africa	2020.06.01.	2024.05.31.	<p>The aim of Soils4Africa is to provide an open-access soil information system with a set of key indicators and underpinning data, accompanied with a methodology for repeated soil monitoring across the African continent. The soil information system will become part of the knowledge and information system of FNSSA and will be hosted by an African institute. Activities are: (i) define use cases and indicators in consultation with stakeholders; (ii) make a functional design of the soil information system; (iii) develop detailed procedures and tools for the field activities based on the LUCAS methodology and collect 20000 soil samples; (iv) develop detailed procedures for laboratory work and analyse the collected soil samples at one reference laboratory located in Africa; and (v) develop the technical infrastructure for the soil information system and serve the results as open data linked with open EO data. The project addresses the work programme of SC 2 in the following ways. First, it contributes to priority 2 (Fostering functional ecosystems) because the soil information system is a tool to target interventions that improve soil quality and provides insight in the impact of these interventions. Secondly, it contributes to priority 1 (Addressing climate change and resilience on land and sea), as the soil information system will contribute to the assessment of carbon losses from soil and the identification of areas with high potential for soil carbon sequestration. Finally, the soil information system provides a platform for the development of sustainable business models by service companies aiming at the development of sustainable food systems, contributing to priority 3 (Boosting major</p>

					innovations on land and sea). Soils4Africa is linking with relevant H2020 projects and Copernicus on EO data use. It actively connects organizations across Africa and Europe for synergies and promotes an open science approach.
871108	AQUAEXCEL 3.C	AQUAculture infrastructures for EXCELlence in European fish research 3.0	2020.11.01.	2025.10.31.	By integrating 40 top class European aquaculture research facilities, AQUAEXCEL3.0 provides a world-class platform for aquaculture research, from biology to technology, in all types of rearing systems, covering all major EU farmed species as well as the most promising new species. Building on two previous AQUAEXCEL projects, it will provide expanded access to high-quality services and resources, covering all scientific fields relevant to research and innovation in aquaculture, from genetics to technology through immunology, physiology and nutrition, and including new nanosensors and fish isogenic lines developed in the previous projects. AQUAEXCEL3.0 will enhance its scope by including shellfish, macroalgae and recyclers (insects, marine worms). Integrating such lower trophic level species is key to move towards more sustainable and even circular aquaculture – a strong societal demand. By partnering with the EU aquaculture industry through a continued strong involvement of the European Aquaculture Technology and Innovation Platform (EATiP), it will boost excellent research and sustainable innovation, for both public and private sectors, as a durable impact. A total of 193 Transnational access projects are scheduled, that will significantly consolidate the global leadership of European aquaculture research and advance the implementation of EATiP's Strategic Research Agenda, with a flexible orientation in time towards key industry issues. Improving the use of animal experiments for research according to the 3 R's, Reduction (via stable fish models and improved design of

					experiments), Refinement (via the development of Operational Welfare Indicators and environmental enrichment) and Replacement (via e.g. Virtual Laboratories and cellular models) is integral to the concept of AQUAEXCEL3.0. Overall, AQUAEXCEL3.0 will provide the Aquaculture Research community and Industry with new services focused on the user needs, to promote both excellent science and innovation.
771367	ECOBREED	Increasing the efficiency and competitiveness of organic crop breeding	2018.05.01.	2024.02.29.	ECOBREED will improve the availability of seed and varieties suitable for organic and low- input production. Activities will focus on four crop species, selected for their potential contribution to increase competitiveness of the organic sector, i.e. common wheat, potato, soybean and common buckwheat. The project will develop (a) methods, strategies and infrastructures for organic breeding, (b) varieties with improved stress resistance, resource use efficiency and quality and (c) improved methods for the production of high quality organic seed. The objectives are: <ul style="list-style-type: none"> • To increase the availability of seeds and varieties for the organic and low-input sector • To identify traits and combinations of traits suited to organic and low-input production environment including high nutrient use efficiency and weed competitiveness/allelopathy • To increase breeding activities for organic and low-input crop production.
101004770	PIGWEB	An infrastructure for experimental research for sustainable pig production	2021.10.01.	2026.02.28.	Research infrastructures (RI) play a key role in identifying levers that can be used to attain the goals of the Green Deal and the “Farm to Fork” strategy, to which PIGWEB can contribute by a “From Pig to Pork” approach. The aims of PIGWEB are to strengthen the pig research community by providing and facilitating access to RI, reinforce a culture of cooperation between the research community and industrial and societal stakeholders, and improve and

					<p>integrate the services provided by the RI. This will contribute to develop innovative and ethical solutions for sustainable pig production systems. To attain these aims, the project will:</p> <ul style="list-style-type: none"> - Ensure easy and transparent access to experimental pig RI and associated laboratories. - Create a community of pig RI by mapping installations beyond partners of the project and identifying future research needs in pig production sector. - Harmonise protocols, best practices, and promote the use of standards to ensure high level of expertise and ethics. - Organise the collection, management, and accessibility of data generated by the project. - Ensure dissemination, exploitation, and technology transfer of results generated by the project. - Provide graduate and post-graduate training opportunities to young researchers to ensure the succession of a new generation of highly-trained experts in the fields of pig production. - Develop non- or minimally invasive methods for digestion studies and blood sampling to replace current procedures requiring surgery and invasive sampling, isolation, fixation and/or spatial restrictions of pigs. - Develop novel methods, tools and technologies that provide indicators of welfare, behaviour, and body composition. - Develop a research toolbox (based data obtained through non- or minimally invasive measurements and model algorithms) to phenotype pigs for traits relevant for sustainable pig production.
101036768	NeoGIANT	The power of grape extracts: antimicrobial and antioxidant properties to prevent the use of antibiotics in farmed animals	2021.10.01.	2025.09.30.	<p>The NeoGiANT project demonstrates at pre-industrial scale a sustainable natural-based extraction process for the recovery of LOW-COST POLYPHENOLS from white grape marc biomass to produce natural antimicrobial and antioxidant high value products, meeting market trends in FEED, PHARMA and ARTIFITIAL INSEMINATION niche SECTORS with key actors involved in the implementation,</p>

				<p>increasing the actual demand request for more affordable natural functional products from alternative sources. Key industrial players will validate how low-cost bio-based NeoGiANT formulations show better performance and higher sustainability within KPIs proposed. Customers demand solutions for animals' health with no side effects for animals and final consumers. They also demand environmentally friendly products. Natural extracts produced within the NeoGiANT project fulfil these demands. Natural extracts will be produced as an alternative to synthetic compounds with antimicrobial and antioxidant capacities. NeoGiANT products are based on 3 pillars 1) the use of local biomass sources 2) Cost-effective, Ref. Ares(2021)1034538 - 05/02/2021 LC-GD-6-1-2020 Page 2 efficient and sustainable production 3) Obtained functional ingredients in sustainable circular economy production systems. NeoGiANT will validate (TRL7) solutions to ensure sustainable food production in the future, considering the increasingly uncertain environmental conditions and move towards resource-smart, climate-smart and "eco-healthy" production and consumption. NeoGiANT ingredients KEY VALUE PROPOSITION is developing and testing functionality under the perspective of animal health with a production cost of 5.4 €/kg, reducing environmental impacts, contributing to the circular economy. These new products, based on natural extracts using an advanced isolation technique, will not only avoid the growth of microorganisms but also improve the health and welfare of the animals, increasing profitability. The proposal is based on the use of biomass sources that can provide cost-effective, efficient and green solutions to deliver functional ingredients in sustainable circular economy production systems. The target products</p>
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					to be developed will be designed to control a large number of diseases of paramount importance in animal production, both in livestock and aquaculture. As a result, NeoGiANT aims to provide effective alternatives to the main antibiotics used in animal production, contributing to the goal of reducing their use, by their use only to the treatment of severe infections and not as an indiscriminate preventive action. At the same time, the speed of emergence of new antimicrobial resistances (AMR) will be reduced, and existing antimicrobial resistances will be better controlled.
956697	EATFish	European Aquaculture Training for improving Seafood Husbandry	2021.01.01.	2024.12.31.	Aquaculture is the fastest growing food sector since the 1970s and its most important purpose is to provide healthy and safe food adapted to consumer preferences. At the same time there are fundamental concerns about the ways we farm and transport food across the world, which are related to negative environmental impacts. Hence, sustainable aquaculture has been identified as the “greatest and most feasible” way to obtain adequate seafood for human consumption and achieve the UN Sustainable Development Goals 2, 4, 13 and 14 on food security, quality education, climate action and use of the oceans, seas and marine resources for sustainable development. The objective of EATFish is a sustainable and profitable European aquaculture sector to secure healthy seafood for our growing society. With a truly multidisciplinary consortium composed of universities, research institutes and private sector partners we propose cutting-edge research related to the biology and technical aspects of aquaculture and have a similarly large effort directed towards socio-economic and governance aspects of aquaculture. Through this overarching approach we aim to: 1. Optimise resource economy in European

					<p>aquaculture, such that it contributes to a circular bioeconomy</p> <ol style="list-style-type: none"> 2. Ensure animal health and welfare 3. Develop novel aquaculture products targeted to specific market segments 4. Refine aquaculture governance to facilitate sustainable development of the sector 5. Enhance the skills and competences of future aquaculture professionals <p>By addressing these issues, we intend to aid European aquaculture to address current and future challenges related to competition in the market place, sustainability, disease in aquaculture systems and governance.</p>
788616	YMPACT	The Yamnaya Impact on Prehistoric Europe	2019.01.01.	2023.12.31.	<p>Dramatic migrations in the third millennium BC re-shaped Europe, modifying its economy, society, ethnicity and ideological structure for ever. The best incentive proxy are populations that moved from the steppes of Russia, spreading as far west as Hungary, implanting a pastoral economy with widespread innovations. These dynamic people covered thousands of kilometres within a few centuries, and organised direct physical relations over the steppes for the first time. This synchronism is promoted by a society organised to fit to this lifestyle, with new herding techniques, likely use of wagons and domesticated horses, and a protein-rich diet, whose adaptive advantages are evident from the physical record in human skeletons and territorial extensions. This is the Yamnaya complex, whose impact remains visible today in the European gene pool and apparently the propagation of Indo-European languages. This international and interdisciplinary project examines the data from 320 excavated burial mounds and c.1350 burials to calibrate these changes, also against a control sample of supposedly local and neighbouring populations. The archaeological, biological and environmental information allows large, new datasets to be built, whose</p>

					<p>systematic interrogation and modelling should reveal the formative processes behind these changes. Assessing funeral archaeology, material culture, and exchange pattern defines their culture and impact. Scientific analyses of skeletons expose relations of origin, degrees of consanguinity, diet, and histories of individual mobility over single lifetimes with new precision and replicability. They should also act as proxy datasets for environmental changes using further analytical techniques in a context of landscape evolution. Diachronic patterns within these sets should link with aspects of the internal social dynamics, such as the creation of new status positions, visible later in the Pan-European Corded Ware and Bell Beaker groups.</p>
818036	iFishIENCI	Intelligent Fish feeding through Integration of ENabling technologies and Circular principle	2018.11.01.	2023.07.31.	<p>iFishIENCI will deliver breakthrough innovations supporting sustainable aquaculture, based on enabling technologies and circular principles, thereby providing the European aquaculture industry with the competitive advantage and growth stimulation needed to be a mover in revolutionizing global efficiency in fish production and meet society's needs for food from the ocean. This ambitious task will be achieved by providing to the market the iFishIENCI Biology Online Steering System (iBOSS) that significantly improves production control and management for all fish aquaculture systems. iBOSS will maximise feed utilisation through smart feeding, provide continuous monitoring of fish behaviour, health and welfare and reduce response times to aberrations. iFishIENCI will target circular principles and zero waste by qualifying new and sustainable organic value chains for feeds, and valorisation of by-products. iFishIENCI's innovations will provide important new assets to the consortiums SMEs, fish-farmers, feed producers and technology providers in the aquaculture sector, leading to market growth and job creation. Assets</p>

					will be maximized through a comprehensive sustainability assessment and engagements with the sector, regulators and consumers. 11 European companies (SMEs and larger companies) and 7 research & Innovation expert groups are joining effort to achieve this innovation leap towards the implementation of smart feeding and smart breeding into the fish farming industry.
818309	Lex4Bio	Optimizing Bio-based Fertilisers in Agriculture – Knowledgebase for New Policies	2019.06.01.	2024.05.31.	Bio-based fertilisers (BBFs) will have an increasingly important role in future food production. By optimising the use of nutrient-rich side-streams like manure and sewage sludge as BBFs in agriculture, European dependency on imported fertilisers can be reduced. In the EU-funded LEX4BIO project, replacing mineral fertilisers with BBFs is evaluated by mapping nutrient-rich side-streams, estimating their nutrient contents, and providing necessary technologies for producing safe BBFs. By optimising the use of fertilisers according to crop requirements, their environmental impact can be minimised and agriculture profitability improved. The project will provide recommendations for decreasing the dependency on imported fertilisers, closing the nutrient cycles, and improving the sustainability of European farming systems.
101000371	SOILGUARD	Sustainable soil management to unleash soil biodiversity potential and increase environmental, economic and social wellbeing	2021.06.01.	2025.05.31.	Unsustainable management and climate change are increasing land degradation and threatening soil biodiversity. Urgent action is thus required to mainstream sustainable soil management practices. However, major knowledge gaps related to biodiversity and soil-mediated ecosystem services must be addressed. The EU-funded SOILGUARD project will therefore develop a conceptual and analytical framework with the potential to become the global standard for future assessments of soil biodiversity status. All knowledge will be shared through SOILGUARDIANS, a predictive tool based on the links

					between soil biodiversity, soil multifunctionality and wellbeing to support stakeholders in their transition to sustainable management. SOILGUARD will co-create evidence-based conservation recommendations for policies and frameworks at the EU and international level and support Member States commitments under the Global Soil Partnership.
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Horizon Europe projects

101060876	RURALITIES	Climate smart, ecosystem-enhancing and knowledge-based rural expertise and training centres	2022.03.01.	2027.02.28.	The project 'Climate smart, ecosystem-enhancing and knowledge-based rural expertise and training centres' (RURALITIES) delivers an ecosystem-enhancing and climate action driven expertise and learning framework organised in hubs e.g., the 'RURALITIES', comprising a series of innovative methodologies with the learner at its core, supported by a comprehensive network of living labs, and a blockchain-based digital platform combining the Internet and wireless technologies, to assist engage, connect and empower actors. This is done via a multi-point approach e.g., multi-actors, multi-disciplines, multi-systems, multi-scale, multi-sectors, and multilevels, as shown in figure 1 (below). RURALITIES is rooted in the recruitment, preparation, training and coaching of 1.000+ facilitators for a variety of tasks (e.g., trainers, facilitators, role models, hub coordinators, etc.), and who play a significant role in creating the matrix and the platform upon which the learning framework is built, develops and evolves. RURALITIES proposes to ideate, implement, futureproof, validate and deliver the aforementioned expertise and learning centres via real-scale practicing in 7 simplified rural socio-ecological systems (SIMSES) as shown in Figure 1 (below) e.g., demonstrators, 2 in Italy, 1
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					in the United- Kingdom (UK), 1 in Slovenia, 1 in Spain and 1 in Romania. RURALITIES coordinates identified actions of local, regional authorities in supports of rural innovation in regions and economic sectors where rural innovators are not yet engaged in a relevant network. RURALITIES coordinates identified SIMSES networks promoting rural innovation solutions whilst establishing innovative multipoints 'RURALITIES Hubs' of expertise and training on rural innovation, shown in figure 2 (below). This is done via coordinating action for the managing authorities and regional bodies influencing regional and national policy instruments in Italy, the UK, Slovenia, Spain and in Romania.
101071317	EUDRES Entrenovators	Cooperating for excellence and impact in research and innovation	2022.10.01.	2025.09.30.	In line with its vision, mission, core values, culture and principles the E ³ UDRES ² Ent-Re-Novators project aims to co-create a more specific joint research and innovation strategy and a common agenda to accelerate the transformation into a European multi-institutional Research and Innovation Hub for Smart and Sustainable Regions. E ³ UDRES ² Ent-Re-Novators includes, interacts and collaborates with a diverse variety of smart and ambitious people, academic institutions, regional authorities, companies, European R&I networks and regional innovation ecosystems. E ³ UDRES ² Ent-Re-Novators is committed to scientific excellence and research integrity within its cross-disciplinary and cross-sectoral key R&I networks and promotes (future) R&I competences, skills, resources, methods, training, services and management for collaborative research and open innovation for smart and sustainable regions.
101074146	LIFE Boat 4 Sturgeon	LIFE Boat to rescue four Danube sturgeon species from extinction	2022.09.01.	2030.02.28.	A Sturgeons are amongst the most threatened groups of animals worldwide. The conservation status of all sturgeon species in Europe has become highly critical with nearly no

					<p>signs of recovery. Previous conservation attempts have not been successful or have been implemented over too short periods to have an effect on population recovery due to the long generation intervals of most species. The current situation of the Danube sturgeons urgently requires the conservation of genetic lineages of the remaining four species in captive broodstock ex situ and the support of populations through the release of genetic diverse autochthonous juveniles, adapted to conditions in the wild and imprinted to their natal water to contribute to population recovery once mature. The LIFE-Boat 4 Sturgeons builds upon lessons learned in the LIFE-Sterlet project by establishing facilities in several range countries for holding of mature animals, reproduction based on genetic mating schemes and rearing juveniles with the latest state of the art. This is accompanied by permanent monitoring of population development and flanked by in situ conservation activities and dissemination in seven countries to reduce the impact of IUU fishing and bycatch. Sturgeons are excellent flagship species for ecologically healthy rivers and seas due to their size, longevity, diverse habitat utilization and their migratory life cycle. Cooperation with other projects on habitat restoration and re-establishment of the ecological corridor leads to a true multinational conservation project for all remaining Danube Sturgeon species, critical to achieve the long-term goals of the Pan-European Action Plan to save the sturgeons.</p>
101094158	AGRIGEP	Assessment and implementation of Agriculture and Life Science Universities' first Gender Equality	2023.01.01.	2026.01.01.	<p>Gender inequality is a major barrier in the R&I area that limit the capabilities and capacities of research and education institutions. Although major efforts to reach gender equality (GE) in R&I have been made in many areas of the world, there are still prominent inequalities in the</p>

		Plans in widening countries		<p>widening countries. Across the EU, the development of Gender Equality Plans (GEP) intends to address the problems at RPOs; however, the variability in capability, capacity, and expertise hinder the efficient implementation of the institutional GEPs. Additionally, there are specific GE issues within certain fields of study at research and education institutions. In this context, GE issues in the Science, Technology, Engineering and Mathematics (STEM) fields are well known and specific action plans have been developed. Within STEM, agriculture and life-science focused RPOs face very similar problems, but they lack sector-specific measures and mitigation plans. Furthermore, in agriculture, a large GE sector-specific imbalance exists in developing countries where a relevant proportion of RPOs' international students come from. The AGRIGEP project, with the joint efforts of six consortium partners, aims to i) perform a responsible assessment of widening RPOs' current status on GEP implementation, ii) improve capabilities through intensive capacity building, and iii) develop and implement an agriculture and life-science targeted GEP with sectorial specific measures and strategies. These results could lead to long-term institutional reforms. Additionally, this project will work to establish the inclusion of GE issues within the RPOs' educational system and professional training of students. The realisation of these objectives and the implementation of inclusive GEPs will enhance the inclusiveness, reputation, attractiveness, and research excellence of widening country RPOs. Moreover, it will promote the transformation of institutions and advance GE within the ERA as well.</p>
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101094725	OSIRIS	Open Science to Increase Reproducibility in Science	2023.03.01.	2027.03.01.	<p>Embedding reproducibility in the strategy and design of research should be regarded as a key precondition to research quality.</p> <p>Unfortunately, only a fraction of published studies can be reproduced due to e.g, science's need to be continuously innovative, pressure to publish, a lack of transparent reporting, and career assessments based on quantity rather than quality.</p>
101095083	Accelerate_FutureHEI	Entrepreneurial & Innovative Universities Acceleration Programme	2023.01.01.	2026.12.31.	<p>Higher Education Institutions (HEIs) can have a strong positive impact on regional and Europe-wide social and economic development through education, research and engagement. However, they require targeted, methodological and experienced support to enhance their capability to fully realise their potential. Accelerate_FutureHEI responds to the above-mentioned needs through the development and testing of acceleration services to support HEI institutional transformation involving:</p> <ul style="list-style-type: none"> - A robust, comprehensive methodology that is designed to transform and impact not just the HEIs but also their regions. It does so by taking an evidence-based approach that identifies the needs of the individual HEIs whilst also benefitting from an efficient universal approach that enables them to learn from each other. - Underpinned by a change management process, the project offers an acceleration support system that builds on the status quo, develops a connected vision and set of activities described in a roadmap and is then executed in application projects supported with coaching, training and international exchange. - Consortium built for success and impact as the project and overall methodology for acceleration services is designed, led and monitored by proven, globally-recognised experts specialised in implementing acceleration services to effect

					change at HEIs through entrepreneurship, innovation and engagement. - The consortium offers the right setting for a pilot program to deliver a meaningful context-connected, practical outcomes for a committed and diversified set of 14 partners, uniting 2 established EIT HEI Initiative consortia, where impact would make a real difference in their regions. - Sustained impact will be achieved as HEIs will have developed strong internal understanding of status quo and desired future state; designed and executed a roadmap & application projects; received expert coaching, training and peer learning in a network that will sustain beyond the project.
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ERASMUS+ projects

KA203-FA0F759C	INNOLAND	LAUNCHING INNOVATION-BASED LANDSCAPE ARCHITECTURE TRAINING FRAMEWORK IN EUROPE	2020.11.01.	2023.04.30.	Landscape architecture is about creating great cities, streets, parks and public spaces – spaces that inspire healthy living and well being while protecting natural environments and pleasing people. Landscape Architecture is about creating safe, sustainable and resilient landscapes that evolve but endure over time. Landscape Architecture is perfectly positioned to respond to urgent issues of our time, e.g. mitigating climate change and contributing to the sustainability of both individual sites and cities as a whole. Higher education institutions play a major role in educating Landscape Architects who will take decisions about our future environment. Although European regulation (e.g. concerning environment, competition in internal EU market or professional qualifications) has impact on the professional work of landscape architects across Europe, there are still no standards regarding the content of the European higher education of Landscape Architects,
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					<p>inducing barriers for lifelong learning, recognition, and mobility. Common Training Framework (CTF) is knowledge, skills and competences necessary for the pursuit of a specific profession, defining what a person is able to know, to understand and to do. By harmonising the education and training requirements of landscape architecture professionals through the CTF, the EU will ensure free movement of professionals across the EU. The Directive 2013/55/EU of the European Parliament and of the Council on the recognition of professional qualifications and Regulation (PQD) emphasises, that Professional qualifications obtained under CTFs should automatically be recognised by the Member States. Such actions are highly supported by the EU. The renewed EU agenda for HE, adopted by the Commission in May 2017, identifies enhanced mobility and cooperation in higher education among its key goals. The Paris Communiqué (2018), highlighting priority activities in this area for the coming years, calls for securing a sustainable future through higher educations. These ambitions are in line with the goal of the EU to create European Education Area by 2025, to promote mobility and academic recognition of qualifications for all EU citizens, leading to free movement of workers - one of the four fundamental freedoms of the Union. Herewith, InnoLAND aims to facilitate transparency and recognition of skills and qualifications of landscape architecture professionals in the EU by developing the Common Training Framework for the Profession along with relevant tools to support its implementation.</p>
101004069	EUDRESS	EUDRESS	2021.02.01.	2023.09.30.	<p>E³UDRES², the Engaged and Entrepreneurial European University as Driver for European Smart and Sustainable Regions, is focusing on the following main topics Co-</p>

					Innovate Smart and Sustainable European Regions Co-Ideate a Future University for future-skilled learners Co-Create a European Multi-University Campus E ³ UDRES ² promotes the development of small and medium-sized cities and their rural environments into smart and sustainable regions and shapes a prosperous future with the best possible quality of life for a self-determined people in a progressive European society. E ³ UDRES ² co-creates outstanding ideas and concepts for future universities for future-skilled learners, integrates challengebased education, mission-oriented research, human-centred innovation as well as open and engaged knowledge exchange as interrelated core areas and establishes an exemplary multi-university campus across Europe.
2020-1-HU01-KA201-078743	STEAM-BOX	STEAM-BOX: Courses, Tools, Resources for Teachers	2020.09.01.	2023.08.31.	Transdisciplinary integration of STEAM fields in the learning process is an emerging concept. This growing phenomenon took its part in many educational policy reports, including new skills and key competencies that needed to have in the knowledge century. Although recent study highlights the need for integration, there is still a gap in the field of implementation. Relevant literature indicates that to transfer the theory into practice 1) knowledge, skills, and experience of teachers 2) infrastructure, platforms, and tools, 3) educational resources are some of the most important factors in the integration process. In this project, four intellectual outputs (IO) and five multiplier events (ME) are planned to serve these factors. The target group will be teachers, in some cases prospective teachers, teacher educators, researchers, and students. In the frame of the project, it is expected a minimum 500 participants will be first-

					degree beneficiary through IOs and MEs during the project.
2021-1-BE01- KA220-HED- 000023346	ID	Interdisciplinary Dialogue	2022.02.01.	2025.01.31.	The aim of Interdisciplinary Dialogue (ID) is to train a new professional figure in the theatre aware of the interaction of disciplines, which is the core of modern theatre productions. Interdisciplinary Dialogue (ID) offers its participants a method to become more competent in their sector, with a strong focus on its multiple skills developed through an interuniversity interdisciplinary mechanism of cooperation. The project aims to exploit the multidisciplinary nature of theatre to develop a new methodological approach for the theatre and for the higher-education system; with a strong emphasis on the importance of cooperation in further education. With the use of research-based learning, participants will benefit from a culturally and artistically diverse learning environment, which will enhance their transversal, intercultural, reflective and communication skills. The pandemic helped confirm our vision that teaching a single discipline in art schools is the oldfashioned way. Long before the pandemic, applicant organisation ETFI began to conduct a courses: * musician- actor, *singer-designer, * actor-psychologist, * director-3d artist, * technologist-writer, * linguist-performer. When the pandemic began, theaters, concert halls and cultural centers closed, our students showed greater resilience and ingenuity, openness to new media, to the use of the Internet, and to the use of new skills acquired with ETFI, instead of complaints and protests. That is why, within the framework of our project, we want to create a consortium of universities ready to integrate even more unexpected, but necessary, practical, vital and simply interesting combinations of disciplines. This, of course, does not

					replace a deep knowledge of the main profession, but broadens the student's horizons, helps him/her to be more ready to enter the changing labor market and to be a more stable and adaptable employee/freelancer. Why is this project so important to us? Feeling that the role of the theater is seriously underestimated, our project focuses particularly on its multidisciplinary nature and we want to forge new professions and new mechanisms to exchange skills with each other. The expansion of international contacts in education has shown that a deeper understanding of the mentality, lifestyle and moral values of representatives of another linguosocium is necessary if we want cooperation to be effective for our target groups (students and teachers of HEIs). First of all, this means the development of such personality traits as openness, tolerance and willingness to communicate with others.
101050466	DAFM	Sustainability in Agriculture, Food Production and Food Technology in the Danube Region	2022.06.01.	2028.01.31.	Sustainability in Agriculture, Food Production and Food Technology in the Danube Region (Danube AgriFood Master – DAFM) is a two-year (120 ECTS) joint degree master in English. It is a unique blend covering the whole food supply chain from a sustainable combination of ecological and conventional agriculture, food safety, soil, water and climate issues, biotechnology, energy systems, which are hot issues worldwide, also proven by the world pandemic as well as the extended circle of DAFM supporters (ministries, companies, NGOs). The added value of DAFM is the combination of special expertise and complementary strengths of each university in a jointly integrated, interdisciplinary curriculum.
2021-2-HU01-KA220-VET-000050665	VET in Horticulture	Vocational Education for Digital Transformation in Horticulture	2022.03.01.	2025.02.28.	The objective of the project is to contribute to the digital and green transition of agriculture by delivering innovative, high quality learning materials for VET

					<p>teachers on smart greenhouses, involving actors from the labour market. The project will</p> <ul style="list-style-type: none"> • identify the digital skills needs for smart greenhouses in collaboration of companies in order to tackle future skills mismatches in horticulture • facilitate the development and scale-up of flexible, modular, and learner-centred micro-courses enabling VET schools of the agriculture sector to give quick and relevant response to the needs of the labour market • foster technical and digital skills and effective, innovative training methods of teachers in agriculture, help them to learn and teach in virtual environments and provide them up-to-date knowledge on smart greenhouses.
2021-1-IT01-KA210-VET-000034559	SOURCE	Boosting Social and Organic farming for inclusive and sustainable growing economies	2022.02.01.	2023.07.31.	<p>The project aims to explore and strengthen the link between social farming and organic farming. Social farming works to promote inclusive and sustainable development through the inclusion of vulnerable social groups in society, while organic farming works to promote inclusive and sustainable development through low-input production systems. On the other hand, the project aims to support further training opportunities for university students (future farmers and decision-makers) and innovative farmers, and to disseminate knowledge on organic and social farming.</p>
2021-2-HU01-KA220-VET-000049171	Hortus Medicus	Hortus Medicus	2022.03.01.	2025.02.28.	<p>The Hortus Medicus project's goal is to develop a comprehensive 120-hour horticultural therapy training program including educational materials and online learning content. The training program includes a curriculum and a handbook. Both of these educational resources will merge the existing and our new philosophies and practices in the field of horticultural therapy. We want to create innovative training that can be provided in the traditional way of contact teaching as</p>

					well as in the form of blended learning, with theoretical parts in e-learning. Five organizations from four different European nations — Hungary, Austria, Italy, and Romania — will work together on the project. The training programs and educational materials will be put to the test at ten pilot training sessions in both Hungary and Romania.
2022-1-SK01-KA220-HED-000086079	ETICOF	Education, training and innovations in conversion to organic farming	2023.06.01.	2026.05.31.	On 1 June 2023, the ETICOF (Education, training and innovations in conversion to organic farming) Erasmus + KA2 Strategic Partnership (2022-1-SK01-KA220-HED-000086079) project was launched. The three-year project aims to promote organic farming and conversion to organic farming in higher education and lifelong learning. The project partners will develop educational materials focusing on the transition to organic farming. The teaching material will be accompanied by a pedagogical methodological guide and, last but not least, a training curriculum covering the issues identified by farmers' experiences as the most challenging during the transition. The teaching material will be applicable in higher education, adapted for agricultural practice and adult education.

Other international projects

PGI05289	Region4Food	REGIONal Strategies 4 FOOD 4.0 Revolution	2021.09.01.	2023.05.31.	7 regions have decided to join efforts to face new challenges by developing an exchange of experience approach and work plan which allow them to create synergies and opportunities by identifying good practice implemented in other territories. Partners will work in close cooperation with stakeholders to interconnect
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					<p>regional innovation ecosystems. Best practices for each region will be integrated in their action plans in order to improve the targeted policy instruments governance or to implement projects that will contribute to achieving the above-mentioned goal. 7 action plans to improve policy instruments selected by project partners according to their relevance in terms of better exploiting ICT's potential and deliver innovation to food industry and hence, smart progress and growth. Support capacity-building at all levels, that is, staff, organisational and regional but also beyond the partnership considering most project partners are members of the S3P Agri-food on Traceability and Big Data. Reinforcing cooperation between research and business sectors and therefore, to improve the economic exploitation of R&D results. Delivering strategic guidelines for new programming period.</p>
CE100281	Food4CE	Strengthening Innovation Capacities Among CentralEuropean Alternative Food Networks	2023.03.01	2026.02.28	<p>Alternative Food Networks (AFNs) are one of the cornerstones of a sustainable and resilient food supply system in Europe. The drastic changes in production and consumption, which are also a consequence of the COVID 19 outbreak, present many challenges to small local food businesses and require their rapid adaptation and reorganization. AFNs especially struggle with knowledge on logistics collaboration, digitalisation and distribution/delivery systems. Even though AFN organizers appear to be an innovative force in creating new forms of short food supply chains, many of their attempts fail. Systematic policy support is needed to initiate cooperation, exchange knowledge and improve sustainability of AFN innovation actions.</p>

					<p>The main objective of the Food4CE is to establish 5 local and 1 Transnational Innovation Hub (IH), which brings together actors from different sectors (researchers, business experts, food producers, logistic and transport operators and policy makers) to advance AFNs logistics efficiency. Transnational Innovation Hub supports transnational exchange of knowledge, transfer and/or uptake of new practices, technologies and solutions among Regional Innovation Hubs (in participating countries) and create a unique mutual support network for CE AFNs. Within the project, two innovative tools are jointly developed to support IHs: Knowledge Transfer Platform (for sharing logistics best practices and solutions) and Matchmaking Platform (for creating new B2B and B2C logistics solutions and services). Food4CE provides jointly developed regional action plans (in each participating region) and transnational (CE) policy guidelines for AFN support. The whole process of Innovation Hubs on local level and integration of Transnational Innovation Hub into the existing European Network of Logistics competence centres, leads to sustainable and lasting AFN support mechanism, which are expected to continue working also after the project end.</p>
EOP-SD-SOW-177	DDC-ESA	Danube Data Cube	2021.11.01.	2023.04.30.	<p>The aim of the project is to develop a cloud-based simulation environment as part of the Europe Data Cube for irrigation demand monitoring based on selected test sites in the Hungarian part of the Danube basin. We will contribute to a prototype of a service, the results will be reported at the own level. The primary benefit of the project will be the use of cloud-based technologies and land monitoring data for both research (agricultural water management, hydroinformatics) and education. A</p>

					successful project would increase the chances of further successful ESA applications in the future, as well as further applications in collaboration with consortium partners.
20210525	E.I.N.S.	E.I.N.S.. E ³ UDRES ² Entrepreneurship and Innovation Network for Smart and Sustainable European Regions	2022.10.01.	2023.12.31.	E ³ UDRES ² Entrepreneurship and Innovation Network for Smart and Sustainable European Regions (E.I.N.S.) co-creates novel pathways for entrepreneurial universities, pushes entrepreneurial education to the next level, co-creates advanced support for innovation and business creation and enhances collaboration across the knowledge triangle beyond the state of the art. E.I.N.S. empowers "Ent-Re-Novators" (entrepreneurs, researchers, innovators) including young talents, experts, management, SMEs, local authorities and engaged citizens. E.I.N.S. strengthens the European University E ³ UDRES ² (www.eudres.eu), the Engaged and Entrepreneurial European University as Driver for European Smart and Sustainable Regions, which will be supported by the UIIN, the University Industry Innovation Network (www.uiin.org) and collaborates with EIT KICs. The focus on smart and sustainable regions is in reference to their importance in driving bottom-up innovation, the major contribution of SMEs to the European economy and labour market as well as the role regions play in supporting European cultural identities and maintaining a high quality of life. While global innovation is concentrated in urban areas and large universities compete in global rankings, E.I.N.S. connects small, but agile HEIs that promote their regions: St. Pölten University of Applied Sciences (Austria), Instituto Politécnico de Setúbal (Portugal), Politechnica University of Timisoara (Romania), University for Agriculture and Life Sciences (Hungary), University College Leuven

					<p>Limburg (Belgium) and (6) Vidzeme University of Applied Sciences (Latvia). A wide variety of associated partners connects E.I.N.S. to the knowledge triangle. They include business agencies, incubators, accelerators, venture funds, start-up communities and other change agents for a digital and green transition. They are both anchored regionally and connected globally, offering access to regional communities and resources as well as relevant European networks. In order to further develop and strengthen our innovation capacity, E.I.N.S defines four long-term strategic priorities: (1) Empower and Support „Ent-Re-Novators” to bridge the gaps within the knowledge-triangle, (2) Enhance Entrepreneurial Education to enable learner driven innovation, (3) Link Smart Specialisation and Open Innovation to connect regional ecosystems with pan-European networks, (4) Provide Expertise and Resources to turn ideas into value for smart and sustainable European regions. These priorities are broken down to the six selected actions and eight core objectives to be carried out in the following WPs: (1) Management & Dissemination, (2) Entrepreneurial Universities & Innovation Policies, (3) (Open) Innovation and Entrepreneurship, (4) Connected Research & Innovation (R&I), (5) Networked Innovation Ecosystems & OI-Hubs, (6) Continuous Coaching and Training on staff level in R&I Skills; (7) Entrepreneurial Education; (8) Support Innovation and Business Creation.</p>
22230075	Visegrad Fund	FOOD Quality In Digital Age	2023.02.01	2024.07.31	<p>On 1 February 2023, the project "FOOD Quality in Digital Age", supported by the International Visegrad Fund, was launched. The consortium of five universities is led by the University of Life Sciences in Lublin (Poland) and includes Mendel University in Brno (Czech Republic), the Slovak University of Agriculture in Nitra (Slovakia), the</p>

					University of Belgrade (Serbia) and the Hungarian University of Agricultural and Life Sciences. The primary objective of the 18-month project is to promote knowledge sharing in the V4+ region (Visegrad countries and Serbia) on the digitalisation of agriculture, with a special focus on food production.
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