

KRIŽEVCI UNIVERSITY OF APPLIED SCIENCES

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SIXTH SEMESTER PRACTICE REPORT

WORK ON THE PROJECT „SMART ORGANIC FOOD INITIATIVE“

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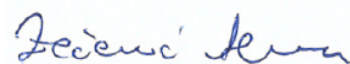
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signature*

Križevci, September 2024

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OCJENA STRUČNE PRAKSE

Ime i prezime studenta:

Tvrtka/gospodarstvo:

Mentor prakse:

Trajanje stručne prakse: oddo..... Ukupno sati:

Kratak opis poslova:

Elementi ocjene	Izuzetno	Vrlo dobro	Prosječno	Nedovoljno	Bez mišljenja
* Teoretsko znanje					**
* Praktične sposobnosti					
* Zainteresiranost za posao					
* Brzina					
* Točnost					
* Organizacijske sposobnosti					
* Poduzetnost					
* Samostalnost u donošenju odluka					
* Timski rad					
* Komunikativnost					
Komunikacijske vještine:					
* pismene					
* usmene					

-- Napomena: Elemente ocjene označiti sa +

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Content

1. INTRODUCTION	5
2. SMART ORGANIC FOOD INITIATIVE	6
3. PROJECT HOLDER AND PROJECT PARTNERS	7
3.1. Križevci University of Applied Sciences	7
3.2. Association for Economy of Communion.....	10
3.3 Center for Lifelong Learning from Travnik (Bosnia and Herzegovina)	11
3.4. Starkmacher Association.....	12
3.5. An example of good practice – FAMILY FARM Biomara	13
4. THE MAIN OBJECTIVE OF THE PROJECT SOFI	15
5. „SMART ORGANIC FOOD INITIATIVE“ PROJECT ACTIVITIES	17
5.1. Creation of the Green Educational Program	18
5.2. Climate Action Plan for agriculture for the towns of Križevci and Travnik.....	20
5.3. Eco Festival	21
5.4. Timeline of project activities.....	22
6. ENGAGEMENT OF STUDENT DANIJEL TOPLJAK WITHIN THE FRAMEWORK OF PROFESSIONAL PRACTICE	25
6.1. Assistance in the implementation of the survey in the Project SOFI and the results of the survey	25
7. OTHER ACTIVITIES IN PROFESSIONAL PRACTICE	27
7.1. Initial conference of the Project SOFI.....	27
7.2. Eco festival: September 15-17, 2023.	28
7.3. Work and active participation in the Conference for the Development of Rural Tourism RRT 2023	29
7.4. Presentation of the Project SOFI at the Innovative Village workshop - A Journey through Smart Solutions.....	30
7.5. Attending the Green Educational Program	32
7.6. Help in the implementation of the initial survey among students in the first year of undergraduate studies	32
8. OBSERVATIONS IN PRACTICE	34
9. REPORT ON WORKED HOURS OF PROFESSIONAL PRACTICE	35
10. LITERATURE	36

1. INTRODUCTION

Student Danijel Topljak for his professional practice of VI. semester, worked within the project "Smart Organic Food Initiative" (hereinafter: SOFI) participating in project activities, working meetings, conferences, educational program, research for the needs of the Climate Action Plan for Križevci and other activities. In addition to the Križevci University of Applied Sciences in the role of project holder, the partners are the Association for Economy of Community (hereinafter: AEC) from Križevci, the Lifelong Learning Center from Travnik, Bosnia and Herzegovina (hereinafter: LLC) and the Starkmacher Association from Mannheim, Germany. The project is extremely valuable for the involved local communities of Križevci and Travnik, for which Climate Action Plans will be developed as one of the key results of the project. The added value of the Project SOFI lies in its innovation and direct response to the goals set by the European Green Plan until 2050, as the project seeks to encourage farmers to make a green transition and move away from conventional agriculture to more sustainable, ecological agricultural practices. In addition to farmers, it is also important to reach out to key stakeholders - decision makers at local levels, who can significantly facilitate the transition to smart and ecological agriculture with their policies and programs. In addition to local self-government, important stakeholders are also associations, cooperatives, advisory institutions, educational institutions, etc., which form an indispensable cog in the development of smart and ecological agriculture. In addition to municipalities and stakeholders, it is important to educate consumers themselves so that they know how to recognize the importance of healthy food, that is, agricultural products grown healthily and sustainably. The reason for starting the project is the desire to introduce smart agriculture that will not harm the environment, and biodynamic agriculture, which is considered alternative agriculture, can represent the future of agriculture. The student completed professional practice lasting 420 hours in the period from March 1 to July 15, 2024 under the mentorship of a Ph.D. Sandra Kantar, who provided the student with exceptional mentoring support in performing tasks and research for the needs of the final thesis: Raising awareness of climate change within the project "Initiative for Smart Ecological Agriculture", which will be upgraded to professional practice.

The goal of professional practice is achieved through the acquisition of new knowledge and skills by the student, but it is particularly reflected through the acquisition of awareness of climate change and the need for a green transition. A table with a detailed description of the student's activities and working hours is at the end of the report.

2. SMART ORGANIC FOOD INITIATIVE

The Project SOFI will start its implementation in December 2022. The project holder is the Križevci University of Applied Sciences, and the project partners are the Association for Economy of Communion (AEC), the Center for Lifelong Learning (LLC) and the Starkmacher Association. The project is implemented within the framework of the European Climate Initiative (EUKI), which finances climate protection projects throughout the European Union on behalf of the Federal Ministry for Economic Affairs and Climate Action (BMWK) from Germany. The project is supported by the towns of Križevci and Travnik and the Hochschule within the Rhein-Waal University of Applied Sciences (Kleve, Germany).¹

Picture 1. shows the trademark of the "Initiative for Smart Ecological Agriculture"



Picture 1. Trademark of the "Initiative for Smart Ecological Agriculture"

Source: <https://www.uez.hr/2023/01/sofi-inicijativa-za-ekolosku-pametnu-poljoprivredu/>

The Project SOFI in the local community of the town of Križevci wants to encourage the effort to achieve the highest level of climate neutrality by 2030.

Given that the town of Križevci has been an excellent example of energy transition in recent years, this project is a great follow-up by initiating green transitions, i.e. the transition of agriculture. The transition of agriculture is important because the people of Križevci are surrounded by a rural area where numerous agricultural families live on family farms.

The target groups that the Project SOFI aims to reach are:

1. agricultural producers (small farmers, owners of agricultural land and students of agriculture),
2. consumers,
3. municipalities and stakeholders

¹ <https://www.vguk.hr/hr/2061/Smart+Organic+Food+Initiative%3A+SOFI+%2801.12.2022.-31.03.2025.%29>

The main activities of the project are the creation of the Green Educational Program, Climate Action Plans for the cities of Križevci and Travnik, and the holding of 2 eco-festivals in Križevci and Travnik.

Picture 2. contains key information about the Project SOFI: target groups, key activities, the main goal of the project, areas of activity and main area of interest.

SOFI – Smart Organic Food Initiative
SOFI - Inicijativa za ekološku pametnu poljoprivredu

Područja djelovanja:

- Hrvatska
- Bosna i Hercegovina
- Njemačka

Glavni cilj:

- podizanje svijesti o potencijalu ekološke pametne poljoprivrede za ublažavanje negativnog utjecaja na klimatske promjene

Glavne aktivnosti su kreiranje:

- zelenog obrazovnog programa
- klimatskih akcijskih planova
- platforme za umrežavanje
- EcoFeria festivala

Glavno područje interesa:

- edukacija svih dionika u poljoprivredi: proizvođača, potrošača i općina

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Facebook: [vgukrizevci](https://www.facebook.com/vgukrizevci)
LinkedIn: [peter-fabjan](https://www.linkedin.com/company/peter-fabjan)

Picture 2. Key informations about the Project SOFI

Source: <https://www.uez.hr/2023/01/sofi-inicijativa-za-ekolosku-pametnu-poljoprivredu/>

3. PROJECT HOLDER AND PROJECT PARTNERS

This chapter will describe Križevci University of Applied Sciences and project partners.

3.1. Križevci University of Applied Sciences

The Križevci University of Applied Sciences was founded on November 19, 1860, as the Royal College of Economics and Forestry, and the University is considered the oldest agricultural and forestry college in Southeastern Europe. The first expert stations and scientific institutes in the field of agriculture were established in the University at that time, the first textbooks in the Croatian language were written and published, and the first magazine in the field of agriculture in our area was launched. The establishment of the school economy, which consisted of arable fields, gardens, meadows, orchards, vineyards, hop fields, forests, and organized livestock production, was a basic prerequisite for conducting quality practical

classes, but also for conducting professional and scientific experiments. The University changed several names over the years, and in 1998 it was officially founded in its current form as an independent public higher education institution, or Križevci University of Applied Sciences.²

The rich history and the numerous experts and scientists who have come from this organization are the greatest pride of the institution, a tradition like this of the Križevci University of Applied Sciences truly a rare feature.

Picture 3. shows the logo of the Križevci University of Applied Sciences



Picture 3. University logo
Source: <https://www.vguk.hr/>

The Križevci University of Applied Sciences is today a public and independent higher education institution that educates experts in the biotechnical (field of agriculture) and social (field of economics) scientific fields. The mission of the Križevci University of Applied Sciences is to prepare students for the future challenges of sustainable development of agricultural and food systems and rural areas and for a competitive labor market. With lifelong learning programs, applied research and service activities, it wants to contribute to the sustainable development of Croatian agriculture, rural areas and society as a whole. The vision of the Križevci University of Applied Sciences is to be a center of professional higher education, lifelong learning and applied research in the agricultural-food and related fields, and to be internationally recognized for high quality standards in education and applied research. Table 1. shows the basic values of the

² <https://www.vguk.hr/hr/group/6/O+nama>

Table 1. Basic values of the Križevci University of Applied Sciences

VALUE	DESCRIPTION
Responsibility	KUAS assumes full responsibility for the quality of all its activities.
Visibility	Activity of KUAS needs to be transparent, public and subject to external assessment and judgment
Protection of public interests	Quality and standards of KUAS activities need to be in function of preservation and advancement of public interest.
Justification of public expectations and invested funds	KUAS needs to develop procedures through which it will prove its responsibility, including its responsibility for invested public funds
Culture of quality	KUAS needs to nurture the culture of quality and encourage vivid discussion about its own activity and development
Efficient organisation of work	KUAS needs to advance organisational approaches and human capacities that guarantee high level of quality
Satisfying the users' needs	quality of academic programmes needs to be developed and continuously improved for the benefit of the users of higher education, primarily students
Objectivity	KUAS needs to objectively prove its quality at home and abroad
Encouraging creativity and innovativeness	processes, procedures and formal requests used may not suppress innovativeness and differences
Inclusiveness	KUAS must provide equal opportunities for advancement to all members of vulnerable and underrepresented groups
Contribution to the development of the social community	KUAS must contribute to the development of the Croatian economy and society as a whole through its activities

Source: <https://www.vguk.hr/hr/11/1.+Misija+i+vizija>

The involvement of the Križevci University of Applied Sciences in the Project SOFI gives the project exceptional value because of the experts from the Križevci University of Applied Sciences who approach it with enthusiasm because projects like this can make positive changes and affect society as a whole. By analyzing the basic values of the Križevci University of Applied Sciences in Križevci, it can be concluded that the Project SOFI corresponds to certain values, especially the value of "Contribution to the development of the social community". In this way, the Križevci University of Applied Sciences in Križevci acts in the local community "outside the classroom" through concrete activities.

The following experts from the Križevci University of Applied Sciences in Križevci participate in the project: Ph.D. Sandra Kantar, Ph.D. Kristina Svržnjak, Ph.D. Silvije Jerčinović and Iva Rojnica, mag. ing. agr. (instead of Dr. Dijana Horvat)

3.2. Association for Economy of Communion

The Association for the Economy of Community (AEC) represents a movement of entrepreneurs, professors, workers, students, researchers and activists oriented towards the common good and integral development of the person and society. It gathers members from all over Croatia who share a common vision of creating a fairer society.³

The sharing economy is a global movement that offers a lifestyle that values the principles of gratuity and the culture of giving as a counterweight to today's consumer culture. The largest network of the sharing economy is made up of companies, more than 700 of them. Interestingly, the companies of the sharing economy have aroused interest on a scientific level and in general interest in the concept of the sharing economy.

The Association for the Economy of Community from Križevci started its work in 1991, especially with young people because it wants to convey to them the value of community and the culture of giving, which is a phenomenon in today's consumer world. The president of AEC is Peter Fabjan, and the association's headquarters are located at Franje Račkog Street 26, Križevci, near the Greek Catholic Cathedral of the Holy Trinity and the Mariapoli Faro center.

³ <https://www.uez.hr/o-nama/>

Picture 4. shows the trademark of the Association for the Economy of Community.



Picture 4. Trademark of the association

Source: <https://www.uez.hr/>

The economy of communion was started by Chiara Lubich in May 1991 in Sao Paulo (Brazil) with the aim of building and demonstrating a human society in which no one will be in need, following the example of the first Christian community in Jerusalem. The bearers of community economy activities are companies that freely undertake: 1. to give profit to the community by earmarking it for: helping people with basic needs, by creating new jobs and starting development projects, starting with those who share the spirit of the project, 2. spreading the culture of giving and reciprocity, without which it is not possible to realize the economy of the community, 3. the development of the company, because while opening up to gratuity, it must remain efficient and competitive.⁴

Taking into account the fundamental value of AEC - the creation of a fairer society - it is important to mention that the Project SOFI fully corresponds to this noble goal. Educating the most important stakeholders about the need to introduce smart and ecological agriculture, including consumers, is a valuable concept and the first step towards achieving the goal of agricultural sustainability.

3.3 Center for Lifelong Learning from Travnik (Bosnia and Herzegovina)

LLC is a non-governmental organization founded in 2015 in Travnik, and the president has been Anto Bilić from the very beginning. The mission of LLC is the quality education of the participants, the ultimate goal of which is employment or self-employment, the development of small and medium-sized enterprises. So far, LLC has implemented numerous activities and initiatives related to lifelong learning. The education they organize is following the Development Strategy of the Municipality of Travnik and the Canton of Central Bosnia and covers the latest professional and technological trends. Over the past years, LLC has intensively

⁴ <https://www.uez.hr/povijest/>

implemented educational programs in the fields of information technology (IT), foreign languages, informatics and computing, digital marketing and entrepreneurship.⁵

LLC has its own space of 440 m², and its geographical location in the heart of Bosnia and Herzegovina makes it an excellent subject for organizing various events such as workshops, seminars, conferences and the like. In March 2023, a working session was held in the LLC premises as part of the Project SOFI. LLC's external associate is Amra Kraksner - head of the Vitez University Institute from Bosnia and Herzegovina.

Picture 5. below shows the Lifelong Learning Center trademark.



Picture 5. Trademark of the center

Source: <https://LLC-bih.ba/>

3.4. Starkmacher Association

The Starkmacher Association is headquartered in the German city of Mannheim, but through its Starkmacher Impact activity, it cooperates with partners from different countries around the world. The mission of the Starkmacher Association is to strengthen the global south and promote social-ecological transformation, which is also the goal of the Project SOFI. With its projects in Argentina, Egypt, Brazil, Jordan, Kenya and the Philippines, Starkmacher relies on the Impact3 principle: ecological change for social progress and successful investments as a bridge between investors and local communities.

In recent years, the association Starkmacher has successfully implemented educational and development projects, and in 2019, the association founded the independent company Starkmacher Impact GmbH to be able to implement ecologically and socially oriented projects and strengthen local entrepreneurship in a sustainable way.

The projects of the Starkmacher Association are inspired by the UN Sustainable Development Goals, and the association is therefore focused on green energy, solutions that have a positive effect on the environment and society.⁶ The representative of the Starkmacher Association is Christian Rosser.

Picture 6. below shows the concept of the work of the Starkmacher Association.

⁵ <https://LLC-bih.ba/o-nama/>

⁶ <https://www.starkmacherimpact.co/>



Picture 6. Concept of the work of the Starkmacher Association

As the Starkmacher association emphasizes in its very mission that it is not focused exclusively on profit, but also on the environment and society, it should be concluded that the Project SOFI is fully in line with their goals. The numerous experts brought together by Starkmacher certainly share a passion for the values advocated by the "Smart Organic Food Initiative".

3.5. An example of good practice – Family farm Biomara

In addition to the aforementioned project partners, an exceptional partner to the project in a practical and scientific sense is Family farm Biomara from the area around Križevci, which participates with exceptional enthusiasm in almost all activities in the Project SOFI, and the owners of Family farm are always ready to give advice and experience on biodynamic agriculture practices to those interested.

Biodynamics is a form of agriculture that goes beyond the cultivation of crops without pesticides, is connected with the inner development of man and is at the service of the earth and humanity. The name comes from the Latin words bios - life and dynamis - energy.

Biodynamics is a holistic, ecological and ethical approach to agriculture, gardening, food and nutrition in which vitality has the highest priority. Biodynamic agriculture has been practiced for almost a century, on all continents. Biodynamic principles and practices are based on the spiritual insights and practical suggestions of Dr. Rudolf Steiner and were developed through the collaboration of many farmers, researchers and scientists in the early 1920s. Members of Family farm Biomara are leaders in sustainable agricultural production, more specifically: biological-dynamic agriculture in the Križevci area. The transition to sustainable agricultural practices should be encouraged even more so that the energy transition of the city develops in parallel with the transformation of food production and supply chains.

Family farm Biomara was founded in 2007 by the spouses Jasminka and Željko Iličić, and from the very beginning, the business has been completely ecological because Family farm's primary goal is the production of healthy food in a sustainable manner. Since 2010, the farm has become biodynamic, thanks to their mentor, Australian Alex Podolinski, a world-renowned pioneer of biodynamics and an expert who taught them biodynamic agricultural practices.

Jasminka perfectly describes biodynamics: "Biodynamics itself is actually 70% of good agricultural practice that we need in any form of agriculture, conventional, ecological or otherwise. In addition, biodynamics makes up 20% of practices related exclusively to ecological agriculture, while only 10% of our practice is the application of the biodynamic method, which is applied in the form of using biodynamic preparations and following the sowing calendar.

The farm is located near the village of Sveti Petar Čvrstec, not far from the town of Križevci and the town of Sveti Ivan Žabno. The farm covers an area of 6 hectares, with 2 hectares dedicated to blackberry cultivation. The remaining land is used primarily for vegetable production and, to a lesser extent, for fruit. Therefore, today the farm is primarily engaged in the production of vegetables, more than 70 types of vegetable crops are produced on the farm throughout the year. The owners point out that biodiversity is important to them, while sales depend on the season, that is, the period in which a particular product is ripe and ready for consumption/sale to end consumers. The advantage of biodynamics is certainly sustainability and the fact that food production does not harm the environment or human health. The main obstacle is the dependence on human labor due to the nature of biodynamic operations (e.g. manual mechanical weeding, not chemical), and in addition, the mystique associated with biodynamics due to insufficient knowledge about this method of production should be removed. Since biodynamic and/or ecological certificates do not mean much when selling products to end consumers, it is necessary to educate the public about these cultivation methods and stop supporting fraudsters such as those who are registered as "ecological" producers just to collect financial support.

Spouses Iličić will develop their business according to the principles of biodynamics, and they have a great desire to start education for everyone interested in biodynamics. They want to implement solar systems on their farm and, together with other farmers, start a cooperative of local ecological and biodynamic producers.



Picture 7. Jasminka and Željko Iličić (left)

Picture 8. Trademark of FAMILY FARM Biomara (right)

Source: <https://growtovchani.com/o-nama>

4. THE MAIN OBJECTIVE OF THE PROJECT SOFI

The main goal of the Project SOFI is to raise awareness of the potential of smart ecological agriculture to mitigate the negative impact of climate change.

The transition to smart and ecological agriculture is exactly what the local community of the city of Križevci lacks, along with the already present goal of achieving energy independence by 2030. It is known that it is not possible to achieve climate neutrality if food production is not organized in such a way as to produce ecological and healthy products with the introduction of short food supply chains.

Raising awareness of the potential of smart, i.e. ecological agriculture, includes the creation of social capital consisting of knowledge, skills and motivation for engaging in ecological agriculture and the implementation of smart solutions in agricultural processes. The created social capital will be reflected in an increase in the number of individuals ready to accept and introduce changes in the direction of agricultural transition. Education, knowledge and expertise are the basics of using modern technologies that are an integral part of modern business, i.e. smart agriculture.

The concept of smart agriculture is becoming more and more important nowadays and implies the application of advanced technologies and innovations in agricultural production. One of the key elements of smart agriculture is the use of technology to collect, analyze and interpret data to make decisions about operations on the farm. Using sensors to monitor soil moisture, temperature and nutrients allows farmers to precisely manage resources such as water and fertilizer. This technology enables optimal use of resources, which reduces waste and negative

impact on the environment. Pesticides have long been an integral part of conventional agricultural practice, but increasing emphasis on environmental protection and human health is encouraging the development of alternative farming methods. Accordingly, smart agriculture brings innovations such as vertical farming, hydroponic and aquaponic systems, which enable the cultivation of plants without the need for traditional pesticides. (Makabi Agritech, 2023)⁷ Smart agriculture enables precise monitoring of crop maturity and quality. This helps farmers to better plan the harvest time and make optimal use of the fruits. Through this approach, the amount of food waste caused by premature harvesting or poor storage is reduced. Smart agriculture is becoming a key driver of sustainable agricultural production in Croatia and around the world. The integration of technology, innovation and digital platforms enables farmers to achieve higher productivity with minimal impact on the environment.

Through smart agriculture, Croatia can create a better future for its farmers, consumers and the environment. (Makabi Agritech, 2023)

Organic production is a comprehensive management system of agricultural holdings and food production that unites the best practices regarding the environment and climate, a high level of biological diversity, the conservation of natural resources, the application of high standards of animal welfare and production standards that are in line with the demand of an increasing number of consumers for products produced using natural substances and processes. Adherence to high standards in the field of health, environment and animal welfare in the production of organic products is inherent in the high quality of these products. (Ministry of Agriculture, Forestry and Fisheries, 2023)⁸

It should be pointed out that the Project SOFI has a noble goal - to make producers, municipalities and consumers aware, i.e. all stakeholders of the food production chain, that the future lies in the practice of ecological agriculture and the use of innovative and modern solutions.

Picture 7. below shows the participants of the Green Education Program, which brought together young farmers. In the picture with the participants are mentors, experts from Križevci University of Applied Sciences; Ph.D. Kristina Svržnjak, Ph.D. Sandra Kantar and Ph.D. Silvije Jerčinović.

⁷ <https://www.makabi-agritech.hr/pametna-poljoprivreda-inovacije-koje-poticu-odrzivost/>

⁸ <https://poljoprivreda.gov.hr/ekoloska/199>



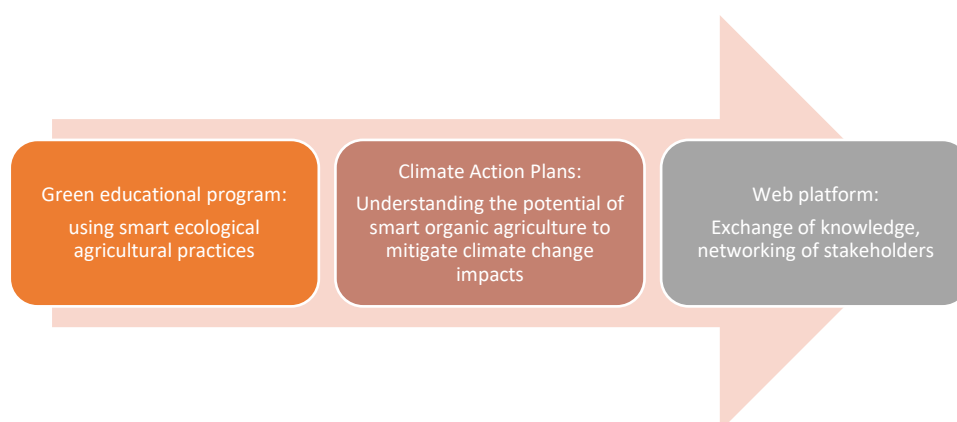
Picture 7. Participants of the Green Education Program with mentors, awarding of diplomas
 Source: <https://www.vguk.hr/hr/2590/ZELENI+OBRAZOVNI+PROGRAM>

5. „SMART ORGANIC FOOD INITIATIVE“ PROJECT ACTIVITIES

The following chapter will present the main activities of the Project SOFI, which include a significant number of farmers, consumers, representatives of the academic community, representatives of local self-government and other important stakeholders. The role of project activities is to achieve the main goal of the project - raising awareness of the potential of smart ecological agriculture to mitigate the negative impact on climate change.

Chart 1. below shows the 3 main activities of the project and explains their planned outcomes, i.e. results.

Chart 1. Main activities of the project



5.1. Creation of the Green Education Program

The Green Education Program (ZOP) is a lifelong learning program implemented by the Križevci University of Applied Sciences. Through the educational program, they strive to support all those who want to establish their ecological properties in an environmentally and economically sustainable way, especially farmers, landowners and students. Teaching contents were conducted in the form of theoretical, practical, field and hybrid teaching in the period from March to June 2024.

The Green Education Program includes 40 teaching hours, with theory making up 30% and practice comprising 70%. ZOP is implemented through modules in which the following contents are represented:

- soft skills 5%⁹
- basics of ecological production 45%
- business/economy 50%

This concept of the program was presented at the conference "Be a part of the Green Education Program", held on March 19, 2024.

Picture 8. below shows the people gathered at the conference "Be a part of the Green Education Program" held in the large lecture hall of the University in Ratarna.



Picture 8. Participants of the "Be part of the Green Education Program" conference

Source:

<https://www.vguk.hr/hr/2514/Konferencija%3A+Budi+dio+Zelenog+obrazovnog+programa%21>

⁹ <https://www.libertas.hr/en/news/sto-su-meke-i-tvrde-vjestine-i-kako-ti-mogu-pomoci-u-buducjoj-karijeri/>

Practical and theoretical classes in which agricultural and economic knowledge were combined with an emphasis on the context of climate change were attended by 13 participants. On the last day of the Green Education Program, June 20, 2024, participants presented their entrepreneurial ideas through the CANVAS¹⁰ business model, which they worked on in groups, after which they were presented with certificates of completion of the lifelong education program. The project managers are delighted with the innovative approach of the young participants and hope to see the realization of at least some business ideas.

The curriculum of the Green Education Program is presented chronologically below:

April 2, 2024

The role of ecological agriculture in mitigating climate change and soil degradation, lecturer: *Ph.D. Ivka Kvaternjak*

A measure to combat climate change - conservation agriculture, lecturers: *Ph.D. Ivka Kvaternjak, Iva Rojnica, mag. ing. agr.*

Practical classes on the grounds of the Križevci University of Applied Sciences, lecturer: *Ph.D. Ivka Kvaternjak, Iva Rojnica, mag. ing. agr.*

April 15, 2024

European Agricultural Fund for Rural Development (online lecture), lecturer: *Ph.D. Kristina Svržnjak*

Ecological seeds and resistance of old varieties, lecturers: *Sunčana Pešak, B.Sc.Agr., Jasminka Iličić (Family farm Biomara)*

Practical classes at Family farm Biomara, lecturer: *Jasminka Iličić*

May 7, 2024.

Soft skills (SOFT skills), lecturers: *Dijana Fabjan, Peter Fabjan (Association for Economy of Communion)*

Business planning - CANVAS business model, lecturers: *Amra Kraksner, Ph.D. Silvije Jerčinović*

June 3, 2024

Creating a business plan (online lecture), lecturer: *Ph.D. Silvije Jerčinović, Amra Kraksner*

June 8, 2024

¹⁰ <https://crownproject.biz/business-model-canvas-alat-koji-vasu-ideju-dovodi-do-realizacije/>

Business planning - CANVAS business model - presentation of participants' ideas, committee for evaluating business plans: *Ph.D. Silvije Jerčinović, Ph.D. Kristina Svržnjak, Ph.D. Sandra Kantar.*

Picture 8. below shows participants presenting their business plans



Picture 8. Participants of the program presenting their business plans
Source: <https://www.vguk.hr/hr/2590/ZELENI+OBRAZOVNI+PROGRAM>

5.2. Climate Action Plan for agriculture for the towns of Križevci and Travnik

As part of the Project SOFI, the first local Climate Action Plan for agriculture in Croatia will be created, in which the main focus will be on agriculture. The implementation of the climate plan requires the involvement of all stakeholders: citizens, farmers, private and public sector, decision-makers at the local, regional and national level. The measures should be adapted to the estimated needs, implementation possibilities and available capacities. Adaptation to climate change represents a significant cost, but ultimately overall positive financial effects or a significant reduction in negative effects are expected, especially if the implementation of adaptation measures starts early enough.

In addition to the city of Križevci, a Climate Action Plan will also be developed for the city of Travnik (Bosnia and Herzegovina). The first part of the plan for Križevci follows an overview of the agricultural sector in the Republic of Croatia, with an emphasis on the town of Križevci and its surroundings. This gives a clearer picture of the state of agriculture, the crops that are most often grown and on which arable land, the number of farms and the state of ecological agriculture in the city. The first part includes an overview of carbon sequestration as a method of storing carbon in various soil layers. The second part of the plan refers to risks and vulnerabilities to climate change in the city of Križevci through an overview of the state of the climate in the Republic of Croatia and the city of Križevci, climate problems and effects. Measures included in the plan:

- a holistic approach to soil protection and improvement
- optimization of land use

- solving livestock diseases
- use of the best technology
- increasing productivity
- turning waste into a resource
- protection and restoration of biodiversity

The goal of these measures should be to ensure that by 2030 most farmers know the nutritional value of their soil and apply the best practices in the management and application of nutrients, that is, that by 2050 Križevci agricultural holdings fully use precision agriculture technology to produce sustainable, healthy, nutritious and high-quality food, while providing a significant contribution to the reduction of greenhouse gas emissions and climate protection. (Climate Action Plan for Agriculture of the City of Križevci, 2024)

5.3. Eco Festival

In addition to the Climate Action Plan for the cities of Križevci and Travnik and the implementation of the ZOP, one of the main activities of the project is the organization of an eco festival. The first eco festival was held in September 2023 and brought together numerous experts from the fields of agriculture, energy, rural development, sustainable development, etc. During the duration of the eco-festival (September 15-17, 2023), numerous lectures, panels and workshops were held. Most of the activities were held in the center of Mariapoli Faro with a visit to Family farm Biomara, which deals with biodynamic agriculture. In addition to the festival, there was also an eco fair and a concert by the duo Objem, consisting of Darko Rundek and Ana Kovačević.

Picture 10. below shows the program of the eco festival.



	KONFERENCIJE	PREDAVANJA	RADIONICE	FILMSKA PROJEKCIJA	KONCERT	
PET 15. 9.	10:00 - 10:15	PREDSTAVLJANJE PROJEKTA SOFI: Peter Fabjan - Udruga za ekonomiju zajedništva				
	10:15 - 11:00	PREDAVANJE 1 KAKVA GOSPODARSTVA OSTAVLJAMO SLJEDĀĆIM GENERACIJAMA POLJOPRIVREDNIKA? Alma Zečević - Udruga za ekonomiju zajedništva SADAŠNOST I BUDUĆNOST POLJOPRIVREDE: MOŽEMO LI ŠTO NAUČITI IZ BIBLIJE? Đurica Pardon - Hrvatsko katoličko sveučilište, Zagreb				
	11:00 - 12:00	PANEL 1 BOGATSTVO SAMODOSTATNOSTI panelisti: Lucie Evers - Obitz za edukaciju i savjetovanje LUDI Robert Poličko - United Nations Development Programme Željka Bičič - OPG Biomara voditelj panela: Peter Fabjan - Udruga za ekonomiju zajedništva				
	12:00 - 12:45	PANEL 2 AGROTURIZAM - BUDUĆNOST TURISTIČKE PONUDE HRVATSKE I REGIJE panelisti: Aleksandra Kurbač-Pani - Udruga turizma i razvoja turizma Hrvatske Jasmina Račić Horvat - OPG Račić Kristina Šček - Turistička zajednica Koprivničko-križevačke županije Anja Lunjak - Središte za cjeloživotno učenje, Travnik voditeljica panela: Kristina Svrbjak - Veleučilište u Križevcima				
	12:45 - 13:45	PANEL 3 ZAŠTO JE PROMOCIJA U POLJOPRIVREDI SPOREDNA AKTIVNOST? panelisti: Ivica Babojević - OPG Babojević Anamaria Koprčić - Inicijativa Zdrava Križevci Sinisa Fabijanić - Udruga Ekološka voditelj panela: Silvija Jerčević - Veleučilište u Križevcima				
	14:00	RADIONICA 1 POSJET OPG BIOMARA voditeljica radionice: Jasminka Bičić - OPG Biomara RADIONICA 2 LOKALNI GASTRO DOŽIVLJAJI NA OPG BIOMARA voditelj radionice: Mišel Dosačić, chef GLAZBU SELEKTIRA SAFEHOUSE CREW - GOOD VIBES ONLY				



P R O G R A M	SUB 16. 9.				
		10:00 - 11:30	PREDAVANJE 1 PROBLEMI I PERSPEKTIVE ODRŽIVOG GOSPODARENJA <i>Predstavljanje metoda održivih poljoprivrednih praksi sa izazovima i rješenjima</i> BILJNA PROIZVODNJA: Jasminka Bičić - OPG Biomara Fabijan Tomić - Poljoprivredni proizvođač - Udruga Naša Zemlja, Travnik STOČARSKA PROIZVODNJA: Bruno Tariba - Agronomski fakultet, Zagreb Hrvatski centar regenerativne poljoprivrede Marko Janković - Služba za razvoj, prirodu i vanjoprivredu Općine Travnik PČELARSTVO: Dino Haračić - Središte za cjeloživotno učenje, Travnik		
	11:30 - 12:15	PANEL 1 POLJOPRIVREDNA MEHANIZACIJA KONZERVACIJSKE OBRADE panelisti: Danijel Jug - Fakultet agrobiotehničkih znanosti, Osijek Vlado Kulec - Veleučilište u Križevcima voditeljica panela: Iva Rojnica - Veleučilište u Križevcima			
	12:30 - 13:15	PANEL 2 ZADRUGARSTVO KAO SIGURAN POSLOVNI MODEL panelisti: Tomislav Haršani - Zadruga Naš Itešnjak Ana Teskera - BRLOG zadruga pivovara Sonela Mikulić Šarić - Energetska zadruga KLIK voditeljica panela: Alma Zečević - Udruga za ekonomiju zajedništva			
	14:15 - 15:00	PANEL 3 AGROSOLARSTVO I DIGITALIZACIJA panelisti: Goran Jurišić - Grid One d.o.o. Igor Frižić - DigitalAgro - Agrigentum d.o.o. Sonela Mikulić Šarić - Energetska zadruga KLIK Sergej Lugarić - Vesela molika d.o.o. voditelj panela: Marlin Topljak - Udruga za ekonomiju zajedništva			
	15:00 - 16:30	RADIONICA 1 GOSPODARENJE OTPADOM U KRIŽEVcima <i>Komunalno poduzeće Križevci</i> SUSTAV GOSPODARENJA OTPADOM U KRIŽEVcima EKO STAFETA MEMORI I RAZNE IGRE ZA DJECU voditeljica radionice: Dijana Mijak-Dretar EKO KOŠARKA voditeljica radionice: Nikola Stijčić RADIONICA 2 SADNJA I SIJANJE CVJETNICA voditeljica radionice: Dijana Fabjan - UEZ			
	15:00 - 18:00	EKO SAJAM			
	19:00	KONCERT DUO "OBJEM" Ana Kovačević Darko Kundić			
	10:00 - 10:45	PANEL 1 ZNAČAJ BIORAZNOLIKOSTI U AGROEKOSUSTAVU <i>Video "Bioraznolikost i stabilnost agroekosustava" - OPG Brijuni Sajice</i> panelisti: Sunčana Peleć - Hrvatski savez ekoloških proizvođača Silvija Kalor-Fodor - Udruga Biovrt Renata Imačić - Veleučilište u Križevcima voditelj panela: Sinisa Šrećec - Veleučilište u Križevcima			
	11:00 - 11:30	PREDAVANJE 1 ULOGA ORGANSKE TVARI U TLU Ivka Kvaternjak - Veleučilište u Križevcima			
	14:00 - 15:15	RADIONICA 1 IZRADA KUĆICA ZA INSEKTE voditeljica radionice: Dijana Fabjan - UEZ			
	11:30 - 13:00	FILMSKA PROJEKCIJA "THE LETTER" dijalog o enklinci Laudato si'			

Picture 10. Program of the Eco Festival

Source: <https://www.uez.hr/2023/08/eko-festival-u-križevcima/>

The next edition of the eco festival will be held from October 4 to 6, 2024. Like last year, the organizers will try to bring numerous experts from different fields, and they will certainly present the results of the activities carried out so far.

5.4. Timeline of project activities

In the continuation of the work, timeline 1 shows the course of the project from December 1, 2022, to March 31, 2025. This timeline shows how the working sessions of the project partners will be held in Križevci and Travnik, as well as conferences. Working meetings will be held with representatives of the local self-government in Križevci and Travnik, in addition, in a relatively early phase, efforts are being made to create visibility for the project and to hold the first eco festival, which was successfully implemented. From the timeline, it is also visible that at the very end of the project, they strive to complete the project activities - the creation of Climate Action Plans for the city of Travnik and the city of Križevci and the implementation of the Green Education Program. In addition, earlier in the project, research will be conducted on the presence of carbon sequestration methods on farms, while the web platform sofi4agri.com will be created and established.

Chart 2. The course of the Project SOFI



Source: <https://www.uez.hr/2023/01/sofi-inicijativa-za-ekolosku-pametnu-poljoprivredu/>

The project's activities aim to reach the ultimate goal, which is to raise the awareness of agricultural stakeholders (Križevci and Travnik) about the impact of agricultural practices on

climate change, that is, the potential of smart organic agricultural practices to mitigate their negative impact. (Association for the Community Economy, 2023)

Picture 11. below shows the project team in conversation with representatives of the local government of Travnik and farmers from Guča Gora and Han Bila. A working session and conference "Smart ecological agriculture" was held in Travnik in March 2023.



Picture 11. Project team in Travnik (BiH)

Source:

<https://www.vguk.hr/hr/2142/Aktivnosti+na+projektu+SOFI+%28Smart+Organic+Food+Innitiative%29>

6. ENGAGEMENT OF STUDENT DANIJEL TOPLJAK WITHIN THE FRAMEWORK OF PROFESSIONAL PRACTICE

Danijel Topljak, a student in his third year of undergraduate professional study of Agriculture, specializing in Management in Agriculture, chose to do his professional practice by participating in the activities of the "Smart Organic Food Initiative" project. Head of professional practice and mentor in work assignments, Ph.D. Sandra Kantar, involves the student in various activities as part of the project. In order to describe the student's engagement, the activities in which the student participated will be presented below.

6.1. Assistance in the implementation of the survey in the Project SOFI and the results of the survey

During the professional practice, the student participated in the creation and implementation of a survey, which is also part of the Climate Action Plan. The survey was conducted on a smaller sample of agricultural producers from Križevci and its surroundings. The survey aims to collect the views and opinions of producers on aspects of their agricultural production and their affinity towards ecological agricultural production. As already mentioned, the obtained data on the topic of ecological agricultural practices will be shown collectively and will be used to create the Climate Action Plan for Agriculture for the City of Križevci. Under the guidance of expert professors of the Križevci University of Applied Sciences, the student participated in the creation of a Google form, before which questions were formed that were suitable for the topic of ecological agricultural production and basic data about individual agricultural holdings. The survey was carried out mainly via the Internet, and most of the respondents answered via e-mail and other communication networks. In addition to basic data on the agricultural economy and production, the respondents expressed their views on the implementation of climate-environmental measures and their views on current climate changes and climate change adaptation measures.

After conducting the survey, the student analyzed the survey. He described the answers and presented them tabularly and graphically. In the following, the results of the survey will be briefly described, starting with the basic data of agricultural holdings and topics related to climate change and climate-environmental measures.

A total of 16 farms in the town of Križevci and its surroundings were surveyed. Out of the 16 surveyed farmers, 10 were identified as young. Most of the respondents were registered as family farm (68.8%). In addition to family farms, farms that are registered but not in the VAT system were also surveyed. Also, the survey was completed by two self-sufficient family farms. Half of the respondents have a high school diploma, and four respondents have graduated from higher education or college.

One respondent only completed elementary school, while one completed a master's degree. Most (half) of the surveyed farms have 100% private land ownership. Three of the respondents use ¼ of the land on lease from a private owner, and none of the respondents has state-owned land at their disposal.

Regarding the topic of organic production, three respondents are engaged in organic production (18.8%) and two are registered in the register of organic producers. Out of a total of 16 respondents, agriculture is the only source of income for two, for three it is the dominant source of income, and for the majority of the rest, it is a supplementary source of income.

As for the point of view on current climate changes and climate change adaptation measures, almost all respondents agree with the salient features of climate change in the last 30 years or so. Some of the most significant features are increasingly hot summers, uneven distribution of precipitation and increasingly frequent storms and hail. Also, the respondents claim that the biggest problems in their business are the lack of precipitation and drought. Concerning the mentioned problem, some of the most important measures of adaptation of technology to climate change are the application of irrigation and a wider crop rotation (rotation of several crops). Likewise, it is extremely important to adapt the terms of agrotechnical measures to the new climatic conditions.

Also, respondents were asked questions such as: Do you have suggestions/advice for beginning farmers and are you satisfied with the implementation of the measures of the Ministry of Agriculture? Here, respondents primarily emphasize education and a willingness to work as the key factors in agricultural production.

7. OTHER ACTIVITIES IN PROFESSIONAL PRACTICE

7.1. Initial conference of the Project SOFI

On May 18, 2024, the initial conference of the Project SOFI was held in the Mariapoli Faro Center in Križevci. With the participation of project partners and external project stakeholders, the Project SOFI was presented by the president of the Association for Economy of Communion, Peter Fabjan and Ph.D. Sandra Kantar in front of the Križevci University of Applied Sciences. At the initial conference, the dean of the Križevci University of Applied Sciences, Ph.D. Marcela Andreato Koren emphasized the importance of the Project SOFI for the Križevci University of Applied Sciences, and the importance of the project for the local community was brought to the public by Mayor Mario Rajn. The dean of the Faculty of Agriculture in Zagreb, Ph.D., Ivica Kisić, spoke about the project in the context of ecological agriculture and community economy. Important support for the project was expressed by a senior advisor from the Directorate for Professional Support of the Ministry of Agriculture, Slavko Kopilović, B.Sc. Jasminka Iličić, owner of biodynamic Family farm Biomara, presented the farmers and their agricultural production, as well as numerous other project activities. At the round table that followed, the advisor for Energy efficiency, environmental protection and spatial planning of the city of Križevci, Petra Pomper, presented the Action Plan for the energy and climate sustainable development of the city of Križevci.

As part of the initial conference of the project, the student helped in the realization of the event, by organizing and collecting signatures on signature lists. In addition, the main task was to closely monitor the course of the conference and learn about the topic of the project from the experts present from their perspective and expertise. In addition, the student wrote a report on the initial conference of the project for the official website of the Križevci University of Applied Sciences.

Picture 12. below shows those gathered at the project's initial conference, the main speech was given by the dean of the Faculty of Agriculture in Zagreb, Ivica Kisić, who gave an extremely interesting lecture.



Picture 12. Project SOFI's initial conference

Source: <https://www.vguk.hr/hr/2225/Po%C4%8Detna+konferencija+SOFI+projekta>

7.2. Eco festival: September 15-17, 2023.

In the chapter that describes the key activities of the project, the international eco festival held in Križevci from September 15 to 17, 2023 has already been described. Since all project partners participated in the organization of the festival, the student Danijel Topljak was also involved. Student engagement at the eco festival is primarily organizational, which includes collecting signatures on signature lists and helping in the preparation and implementation of activities. In addition, the student was one of the persons in charge of setting up the tent at the Biomara Family farm for the organized visit of the festival participants.

As the main theme of the festival was "What kind of farms do we leave to the next generations of farmers?", the student carefully followed the panels and lectures held. In addition, he tried to be a good host to guests from Bosnia and Herzegovina.

After the festival, the student was given the task of transcribing all the panels and lectures held, to collect quality materials on the topics discussed during the festival - sustainable and ecological agriculture, seeds and old varieties, agro-solar farming and digitization, promotion in agriculture, etc.

Picture 13 below shows the participants of the Eco Festival visiting the biodynamic FAMILY FARM Biomara.



Picture 13. Participants of the festival at Family farm Biomara

Source:

<https://www.vguk.hr/hr/2328/USPJE%C5%A0NO+ODR%C5%BDAN+EKO+FESTIVAL++15.-17.09.2023.>

7.3. Work and active participation in the Conference for the Development of Rural Tourism RRT 2023

Students of the Professional Undergraduate Studies in Agriculture, majoring in Management in Agriculture, accompanied by professor Ph.D. Sandra Kantar and Ph.D. Silvije Jerčinović participated on November 23, 2023, in the student conference as part of the 4th international scientific and professional conference RRT 2023. At the Student Conference for the Development of Rural Tourism held at the Faculty of Economics in Zagreb, the students presented the work "Family farm Režek - a look into the future". The main emphasis of the work is the proposals for improving and improving business at the Režek family farm, which the students visited during October as part of field classes. Through the Rural Development course, students Lorena Milinković, Zvezdana Uzelac, Anamarija Burek, Timon Fabijanec, Mihael Stručić and Danijel Topljak analyzed the current offer and condition at Family farm Režek, the family winery and the "Režek's Cellar" Excursion.

On the second day of the conference, a panel discussion was held under the title "Cooperation and influences of local communities on the development of professional studies in management and tourism", which was attended by the vice-dean for teaching and students of Križevci University of Applied Sciences Tatjana Jelen, Magdalena Zeko - vice-dean for teaching at the Međimurje Križevci University of Applied Sciences in Čakovec, Petra Škrobot - Mayor of the City of Samobor, Anđelko Nagrajsalović - Mayor of the Municipality of Sv. Juraj na Bregu and

Dario Zurovec - mayor of Sveta Nedelja. In the discussion, the emphasis was on the very good cooperation that Križevci University of Applied Sciences have with cities and municipalities in the surrounding area, tourist communities and with secondary schools through the implementation of projects and student professional practice. Vice-dean Tatjana Jelen pointed out that such cooperation contributes to a modern approach to learning and the creation of new professional courses at VUK, as well as to raising the quality of KUAS students' professional practice, which is a very important segment of the Križevci University of Applied Sciences's study programs. New teaching methods, service learning and student-centered teaching are being developed in settings of interactive and experiential learning where theory and practice are connected.

After analyzing the situation, the students proposed guidelines by which the business could improve its operations, for example, redesigning social networks and wine labels.

Danijel Topljak presented the ideas on improving Family farm Režek to the audience, and the student work won 3rd place in session 2: Jastrebarsko. (Križevci University of Applied Sciences, 2023)

Picture 14. below shows a team of students who worked on the idea presented at the RRT2023 conference, the team was mentored by professors Ph.D. Sandra Kantar and Ph.D. Kristina Svržnjak. Picture 15. shows the certificate of appreciation for winning 3rd place at the Student Conference as part of the 4th International Scientific-Professional Conference for the Development of Rural Tourism RRT 2023.



Picture 14. A team of students from the Križevci University of Applied Sciences

Picture 15. Commendation for winning 3rd place

Source: <https://www.vguk.hr/hr/2400/STUDENTI+VUK-a+OSVOJILI+TRE%C4%86E+MJESTO+NA+KONFERENCIJI+ZA+RAZVOJ+RURALNOG+TURIZMA+RRT+2023>.

7.4. Presentation of the Project SOFI at the Innovative Village workshop - a journey through smart solutions

The Croatian Agroeconomic Society (HAED) in cooperation with the Križevci University of Applied Sciences in Križevci held a student workshop on May 17, 2024, as part of the Project SOFI called "Innovative Village - a journey through smart solutions". HAED is an example of good practice of a very active society whose members organize various activities throughout the year, and one of the most important for the development of new agroeconomic experts is the networking of students from three institutions: the Faculty of Agriculture in Zagreb, the Faculty of Agrobiotechnology in Osijek and the Križevci University of Applied Sciences.

Before the start of the workshop, the dean of KUAS in Križevci, Ph.D., Marcela Andreato-Koren and vice-president of HAED, Ph.D. Mateja Jež Rogelj greeted the attendees. The student workshop started with a debate entitled "For the life of young people, the village is a better place than the city". The students were divided into two groups. The first group presented arguments of attractiveness, and the second group presented arguments of repulsion of life in the countryside. After the student debate, Ph.D. Snježana Tolić held a presentation entitled "Smart village - the village of the future" where she introduced the students to the concept of smart villages as a key component of the EU's rural development policy.

Student Danijel Topljak presented the results of the Project SOFI so far. The emphasis was placed on last year's Eco festival "Sustainability, togetherness, future", which is planned for this year as well. The three-day program included an eco fair, conferences, lectures, panels, workshops, concerts and projections on sustainable and ecological farming practices, agrotourism, promotion, mechanization and digitization, as well as the importance of biodiversity in agro-ecosystems. Many experts and scientists from Croatia and abroad, as well as representatives of family farms, participated as panelists at the eco festival. It was concluded that this year's Eco Festival will connect the village and the city even more strongly using the concept of smart villages.

PhD Olgica Klepač showed the students examples of good practice of smart village projects in the EU through video content, from the distribution of local products with the active involvement of all stakeholders to the creation of completely energy-independent villages. All of the above was necessary for the students in two groups to participate in the creation of

solutions about what can be smart in the village and in what way, and through the method for finding creative solutions, the so-called brainstorming was led by prof. Ph.D. Jadranka Deže. The ideas were different, numerous, creative, but certainly welcome for the arrival and stay of young people in rural areas. To realize some of the ideas, the following conclusions were reached through the discussion:

1. the emphasis should be on the concrete initiative "I will!", and not "We should"
2. unity and cooperation through networking is necessary
3. people with smart ideas should be recognized and supported
4. apply innovations
5. Find a way to
6. cooperation with the city
7. education on the concept of smart villages from an early age
8. generational exchange of knowledge is needed, as well as educational and recreational gatherings.

7.5. Attending the Green Education Program

As already stated in the chapter on project activities - the Green Education Program (GEP) is a lifelong learning program implemented by the Križevci University of Applied Sciences (KUAS). The implementation of the educational program aims to support everyone who wants to establish their ecological estates in an environmentally and economically sustainable way, especially farmers, landowners and students. Teaching contents were conducted in the form of theoretical, practical, field and hybrid teaching in the period from March to June 2024.

Student Danijel Topljak attended the Green Education Program in its entirety, gaining new knowledge and skills. It is important to mention that the student is a member of the self-sufficient family farm Topljak, which has been engaged in farming and livestock farming since the 1970s. Although the economy is currently engaged in conventional agriculture, new knowledge is certainly an incentive for the green transition, i.e. the transition to ecological agriculture.

7.6. Help in the implementation of the initial survey among students in the first year of undergraduate studies

The initial survey for students in the first year of study was created for the Križevci University of Applied Sciences to get an insight into the attitudes of students, their motivation for studying at KUAS, their opinion about student standards and interest in extracurricular activities. With their answers, the students help the leadership and professors of the KUAS to get a clearer picture of themselves and their studies to move together in the direction of development.

All first-year students participated in the initial survey, who filled it out online via Google form, and the survey was completely anonymous. Student Danijel Topljak analyzed the results of the survey and gained insight into the current responses of students. The Križevci University of Applied Sciences will use the obtained results for the further development of study programs, the offer of extracurricular activities, field classes and other activities.

8. OBSERVATIONS IN PRACTICE

Student Danijel Topljak gained a lot of new knowledge and skills by working on the project. After the Eco Festival, the student was given the task of transcribing all the panels and lectures held, to collect quality materials on the topics discussed during the festival - sustainable and ecological agriculture, seeds and old varieties, agro-solar farming and digitization, promotion in agriculture. With each transcribed panel, the student completed his previous knowledge about the wealth of self-sufficiency, and how to achieve sovereign agricultural production, which in some way affects the quality of life. Related to agricultural production, topics such as "The importance of biodiversity in the agro-ecosystem" and "The role of organic matter in the soil" explained the practical effects of human soil management along with expert information. In addition to production, the panels also touched on activities that are closely related to agricultural production. On the panel "Cooperatives as a safe business model", the panelists talked about the importance of the association of farmers and related to the placement and sale of products. Also, related to advertising and easier placement of products, a panel was held on the importance of promotion "Why promotion in agriculture is a secondary activity". Likewise, the panel "Agritourism - the future of tourism in Croatia and the region" made fundamental conclusions about how to combine the agricultural economy with tourism and how to attract people to agritourism.

By preparing, working and presenting at the student conference as part of the 4th International Scientific and Professional Conference RRT 2023, the student first of all improved his teamwork skills. Together with management students, through the Rural Development course, he saw the importance of building good relationships within the team, defining roles, the importance of communication and setting goals.

Helping to implement the survey in the Project SOFI was a new challenge and a source of skills. The student participated in the creation of the form and the technical creation of the survey. During the implementation of the survey, the student encountered communication with agricultural producers where unobtrusiveness and persistence in implementation are required. The survey will help create a Climate Action Plan that will serve as a strategy for implementing the green transition in Križevci.

9. REPORT ON WORKED HOURS OF PROFESSIONAL PRACTICE

Below, in Table 2, the report of the professional practice hours of student Danijel Topljak is presented.

Table 2. Report of completed hours of professional practice

DANIJEL TOPLJAK - TEPORT		
DATE	JOB DESCRIPTION	HOURS
18.5.2023.	Participation in the initial conference and preparation of the report	10
15.9.2023. - 19.7.2023.	Participation and help at the eco festival	25
16.9.2023. - 6.11.2023.	Making a transcript from the eco festival	50
9.10.2023.	Compiling a report from the eco festival	5
10.10.2023. - 5.11.2023.	Work on the RRT document	50
5.11.2023. - 23.11.2023.	Preparation of presentations, presentation and compilation of RRT reports	35
20.10.2023.	Preparation of questions and field research family farm Režek	35
10.3.2024. - 10.6.2024.	Attending GEP	60
10.3.2024. - 10.6.2024.	Help with GEP	20
17.5.2024.	Making a presentation, presenting and participating - Innovative village	20
15.6.2024. - 25.6.2024.	Assistance in the implementation of the initial survey, analysis of the results	40
10.6.2024. - 10.7.2024.	Assistance in the implementation of the SOFI survey	70
Total hours		420

Source: student evidence

10. LITERATURE

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