POLITECHNIKA BYDGOSKA
im. Jana i Jędrzeja Śniadeckich

NAWA
NARODOWA AGENCJA WYMIANY AKADEMICKIEJ

AKADEMICKIE PARTNERSTWA MIEDZYNARODOWE

EcoSET

Science + Education + Technology

Book of reports

EcoSET project financed by the Polish National Agency for Academic Exchange under International Academic Partnerships Programme

BOOK OF REPORTS

Assembled and edited by Marcin Malinowski

EcoSET project financed by the Polish National Agency for Academic Exchange under International Academic Partnerships Programme.

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University of Beira Interior

Adana Science and Technology University

Justus-Liebig-Universität Gießen

Tarleton State University

Environmental and Food Sciences University of Molise

Aarhus University

Polytechnic University of Bari

University of Maryland

National Centre for Biodiversity and Gene Conservation

Mendel University in Brno

Ondokuz Mayis University

Visits at Partners

EcoSET

Science + Education + Technology

Report

Task:

X	Task 1.Organisation of scientific visits for UTP employees and students and Partner representatives
	Task 2. Subsidising UTP employees' participation in international conferences combined with presentation of achievements in form of a lecture or a poster

Participant's first and last name, academic degree and title:

MirosławBanaszak, PhD, Eng

University name:

UTP University of Science and Technology in Bydgoszcz

Faculty/Department name:

Faculty of AnimalBreeding and Biology

Implementation period:

18.02.2020-21.02.2020

Description of actions implemented within the task:

- Meeting with Aarhus University partners: Margrethe Therkildsen, Jette F. Young, Martin Riis Weisbjerg, SannaSteenfeldt and Jan VærumNørgaard.
- Presentation of the NAWA EcoSet program assumptionsand disusson on the futurestages.
- Visit in Research Center Foulum and presentation of Department of Annimal Science.

Description of results obtained during the implementation of the task:

Short-term:	• Starting cooperation between universities. • Looking for similar research areas. • Students exchange between universities. • Visit a partner'sUniversity.

Long-term:	• The possibility of preparingcommonresearchprojects. • The possibility of preparing a commonresearcharticles. • Building longer cooperation between universities.

Mirosław Banaszak

date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003

prof. dr hab. Marek Bednarczyk

date, Project Manager signature

Report

Task:

X	Task 1.Organisation of scientific visits for UTP employees and students and Partner representatives
	Task 2. Subsidising UTP employees' participation in international conferences combined with presentation of achievements in form of a lecture or a poster

Participant's first and last name, academic degree and title:

Bartosz Bigorowski, Msc, Eng

University name:

UTP University of Science and Technology in Bydgoszcz

Faculty/Department name:

Faculty of AnimalBreeding and Biology

Implementation period:

18.02.2020-21.02.2020

Description of actions implemented within the task:

- Meeting with Aarhus University partners: Margrethe Therkildsen, Jette F. Young, Martin Riis Weisbjerg, SannaSteenfeldt and Jan VærumNørgaard.
- Presentation of the NAWA EcoSet program assumptionsand disusson on the futurestages.
- Visit in Research Center Foulum and presentation of Department of Annimal Science.

Description of results obtained during the implementation of the task:

Short-term:	• Starting cooperation between universities. • Looking for similar research areas. • Students exchange between universities. • Visit a partner'sUniversity.

Long-term:	• The possibility of preparingcommonresearchprojects. • The possibility of preparing a commonresearcharticles. • Building longer cooperation between universities.

Bigorowski

date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003

prof. dr hab. Marek Bednarczyk

date, Project Manager signature

Report

Task:

X	Task 1. Organisation of scientific visits for UTP employees and students and Partner representatives
	Task 2. Subsidising UTP employees' participation in international conferences combined with presentation of achievements in form of a lecture or a poster

Participant's first and last name, academic degree and title:

TOMASZ JANIAK, Ph. D., Eng.

University name:

UTP UNIVERSITY OF SCIENCE AND TECHNOLOGY

Faculty/Department name:

FACULTY OF CIVIL AND ENVIRONMENTAL ENGINEERING AND ARCHITECTURE

Implementation period:

19-22 FEB 2020

Description of actions implemented within the task:

1. Meetings with university authorities – Rector, Prof. Dr. Mehmet TÜMAY:

- interest in EcoSET (NAWA) project framework
- presentation of the project details
- presentation of the project goals
- discussion of the means of achieving the goals
- distribution of contact details
- invitation to Poland, to UTP University of Science and Technology

2. Meetings with the faculty authorities – Dean, Prof. Dr. Serkan TOKGÖZ:

- interest in EcoSET (NAWA) project framework
- presentation of the project details
- presentation of the project goals
- discussion of the means of achieving the goals
- distribution of contact details
- invitation to Poland, to UTP University of Science and Technology

3. Meetings with the departmental authorities – i.a. Prof. Dr. Faruk Fırat ÇALIM:

- interest in EcoSET (NAWA) project framework
- presentation of the project details
- presentation of the project goals
- discussion of the means of achieving the goals
- distribution of contact details
- invitation to Poland, to UTP University of Science and Technology

4. Meetings with employees of the Host University

- interest in EcoSET (NAWA) project framework
- presentation of the project details
- presentation of the project goals
- discussion of the means of achieving the goals
- distribution of contact details
- invitation to Poland, to UTP University of Science and Technology

5. Meetings with students of the Host University

- interest in EcoSET (NAWA) project framework
- presentation of the project details

- presentation of the project goals
- discussion of the means of achieving the goals
- distribution of contact details
- invitation to Poland, to UTP University of Science and Technology

6. Other activities not limited to:

- Discovering the campus and laboratories of the Adana Technical University
- Meetings with Erasmus program coordinators
- Non-scientific opportunities offered at the Host University (theater, sport activities)

Description of results obtained during the implementation of the task:

Short-term:	1. Visit to the partner university and presentation of the EcoSET project (NAWA). Encouraging employees from the Host University to visit UTP, 2. To provide the employees with basic information about UTP and Bydgoszcz, 3. Information about the CEPPIS 2020 Conference: Present Problems, Innovative Solutions held in May at UTP (organized by Dr. Jarosław Górecki), 4. Consultations with i.a. prof. Dr. Faruk Fırat ÇALIM, Dr. Öğr. Üyesi Abdullah Emre KELEŞ, Prof. Dr. Ahmet Beycioğlu and others concerning scientific articles under development. 

Long-term:	1. Discovering the main areas of research and development conducted at the Adana Technical University with the perspective of encouraging UTP employees to cooperate with peers from the Host University, 2. Exchange of information on scientific interests with Prof. Dr. Faruk Fırat ÇALIM and Asst. Professor Dr. Kazım Ahmet Haşim. Discussions concerning joint projects and publications. 

06.03.2020

date, Beneficiary signature

Koordynator Wydziałowy WBAiIŚ
Projekt EcoSET nr PPI/APM/2019/1/00003
Dobiańska
dr hab. inż. Magdalena Dobiszewska, prof. uczelni

20.03.2020

date, Project Manager signature

Report

Task:

X	Task 1. Organisation of scientific visits for UTP employees and students and Partner representatives
	Task 2. Subsidising UTP employees' participation in international conferences combined with presentation of achievements in form of a lecture or a poster

Participant's first and last name, academic degree and title:

JAROSŁAW GÓRECKI, Ph. D., Eng.

University name:

UTP UNIVERSITY OF SCIENCE AND TECHNOLOGY

Faculty/Department name:

FACULTY OF CIVIL AND ENVIRONMENTAL ENGINEERING AND ARCHITECTURE

Implementation period:

19-22 FEB 2020

Description of actions implemented within the task:

1. Meetings with university authorities – Rector, Prof. Dr. Mehmet TÜMAY:

- interest in EcoSET (NAWA) project framework
- presentation of the project details
- presentation of the project goals
- discussion of the means of achieving the goals
- distribution of contact details
- invitation to Poland, to UTP University of Science and Technology

2. Meetings with the faculty authorities – Dean, Prof. Dr. Serkan TOKGÖZ:

- interest in EcoSET (NAWA) project framework
- presentation of the project details
- presentation of the project goals
- discussion of the means of achieving the goals
- distribution of contact details
- invitation to Poland, to UTP University of Science and Technology

3. Meetings with the departmental authorities – i.a. Prof. Dr. Faruk Fırat ÇALIM:

- interest in EcoSET (NAWA) project framework
- presentation of the project details
- presentation of the project goals
- discussion of the means of achieving the goals
- distribution of contact details
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4. Meetings with employees of the Host University

- interest in EcoSET (NAWA) project framework
- presentation of the project details
- presentation of the project goals
- discussion of the means of achieving the goals
- distribution of contact details
- invitation to Poland, to UTP University of Science and Technology

5. Meetings with students of the Host University

- interest in EcoSET (NAWA) project framework
- presentation of the project details

- presentation of the project goals
- discussion of the means of achieving the goals
- distribution of contact details
- invitation to Poland, to UTP University of Science and Technology

6. Other activities not limited to:

- Discovering the campus and laboratories of the Adana Technical University
- Meetings with Erasmus program coordinators
- Non-scientific opportunities offered at the Host University (theater, sport activities)

Description of results obtained during the implementation of the task:

Short-term:	1. Visit to the partner university and presentation of the EcoSET project (NAWA). Encouraging employees from the Host University to visit UTP, 2. To provide the employees with basic information about UTP and Bydgoszcz, 3. Information about the CEPPIS 2020 Conference: Present Problems, Innovative Solutions held in May at UTP (organized by Dr. Jarosław Górecki), 4. Consultations with i.a. prof. Dr. Faruk Fırat ÇALIM, Dr. Öğr. Üyesi Abdullah Emre KELEŞ, Prof. Dr. Ahmet Beycioğlu and others concerning scientific articles under development. 

Long-term:	1. Discovering the main areas of research and development conducted at the Adana Technical University with the perspective of encouraging UTP employees to cooperate with peers from the Host University, 2. Exchange of information on scientific interests with Prof. Dr. Faruk Fırat ÇALIM and Asst. Professor Dr. Kazım Ahmet Haşim. Discussions concerning joint projects and publications. 

20/03/2020 J. Górecki

date, Beneficiary signature

Koordynator Wydziałowy WBAiIŚ
Projektu EcoSET nr PPI/APM/2019/1/00003
Dobiszewska
dr hab. inż. Magdalena Dobiszewska, prof. uczelni

20.03.2020

date, Project Manager signature

Report

Task:

X	Task 1. Organisation of scientific visits for UTP employees and students and Partner representatives
	Task 2. Subsidising UTP employees' participation in international conferences combined with presentation of achievements in form of a lecture or a poster

Participant's first and last name, academic degree and title:

Agata Bukaluk, MSc

University name:

UTP University of Science and Technology

Faculty/Department name:

Faculty of Civil and Environmental Engineering and Architecture

Implementation period:

01.03-09.03.2020

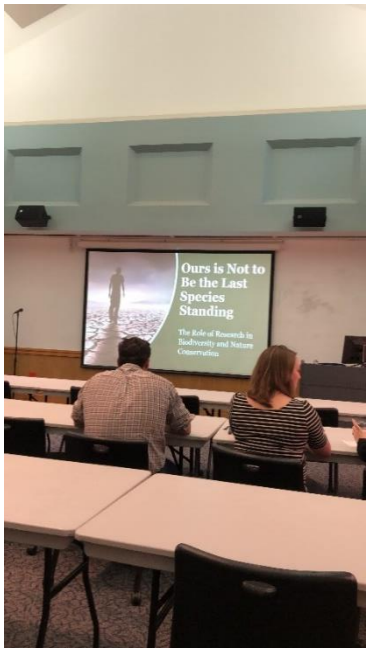
Description of actions implemented within the task:

1. Meeting with Construction and Civil Engineering Faculty (Dr. Denise Martinez – Associate Dean, Dr. Orlando Bagcal, Dr. Poorya Hajyalikhani, Dr. Fei Wang, Dr. Rajesh Vuddandam, Dr. Lynal Albert, Dr. Barry Lambert) – presentation of the EcoSET Project Assumptions and Faculty of Civil and Environmental Engineering and Architecture's scientific and didactic offer, finding common research areas. Visiting laboratories: Automation Lab, Surveying Lab, Construction Lab, Fluids Lab.

2. Meeting with Agricultural Faculty (Dr. Steve Damron – Dean, Dr. Barbara Jones, Dr. Jeff Breeden, Dr. Heather Mathewson, Dr. T. Wayne Schwertner, Dr. Hemanta Kafley, Dr. Barry Lambert) – presentation of the EcoSET Project Assumptions. Visiting laboratories and experimental station.

3. Meeting with Biology and Science Faculty (Dr. Max Sanderford, Dr. Victoria Chraibi, Dr. Janice Speshock, Dr. Kristin Herrmann, Dr. Barry Lambert) – presentation of the EcoSET Project Assumptions.

4. Participating in Community of Scholars Presentation by Dr. T. Wayne Schwertner – lecture "Ours is Not to Be the Last Species Standing".



5. Visiting the TSU Campus and discussions with Dr. Barry Lambert and Dr. Jim P. Muir about future collaboration and discussions on logistics issues (accommodation etc.). Discussions with Dr. Barry Lambert and Prof. Donald McGahan about joint articles in the field of biotechnology and soil.

6. Visit to Fossil Rim Wildlife Center – place dedicated to the conservation of species in peril, conducting scientific research, training of professionals, responsible management of natural resources and public education. Discussion about possibilities of collaboration.

Description of results obtained during the implementation of the task:

Short-term:	1. Visit at a Partner's University and presentation of EcoSET Project assumptions to different research group's members. 2. Discussion on the publication of a joint article by Dr. Magdalena Kolenda with Dr. Barry Lambert. **3.** Discussion on the publication of a joint article by Prof. Szymon Różański with Prof. Donald McGahan.
Long-term:	1. The cooperation development in the research field „Civil Engineering" – finding common research area for Prof. Magdalena Dobiszewska and Prof. Maciej Dutkiewicz, who have already exchanged ideas about possibilities for joint articles and research visit, with by Dr. Orlando Bagcal and Dr. Poorya Hajyalikhani. 2. The possibility of organizing lectures in the field of BIM given by Dr. Orlando Bagcal. 3. The possibility of Dr. Poorya Hajyalikhani participation in Civil Engineering: Present Problems, Innovative Solutions CEPPIS 2020 Conference held in May at UTP (organized by Dr. Jarosław Górecki) **4.** Participation in the closing conference with common articles.

Koordynator Wydziałowy WBAiIŚ
Projektu EcoSET nr PPI/APM/2019/1/00003
dr hab. inż. Magdalena Dobiszewska, prof. uczelni

11.03.2020

date, Beneficiary signature

13.03.2020

date, Project Manager signature

Report

Task:

X	Task 1. Organisation of scientific visits for UTP employees and students and Partner representatives
	Task 2. Subsidising UTP employees' participation in international conferences combined with presentation of achievements in form of a lecture or a poster

Participant's first and last name, academic degree and title:

Szymon Różański, PhD

University name:

UTP University of Science and Technology

Faculty/Department name:

Faculty of Civil and Environmental Engineering and Architecture

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Implementation period:

01.03-09.03.2020

Description of actions implemented within the task:

1. Meeting with Construction and Civil Engineering Faculty (Dr. Denise Martinez – Associate Dean, Dr. Orlando Bagcal, Dr. Poorya Hajyalikhani, Dr. Fei Wang, Dr. Rajesh Vuddandam, Dr. Lynal Albert, Dr. Barry Lambert) – discussion about the EcoSET project assumptions. Visiting laboratories: Automation Lab, Surveying Lab, Construction Lab, Fluids Lab.




2. Meeting with Agricultural Faculty (Dr. Steve Damron – Dean, Dr. Barbara Jones, Dr. Jeff Breeden, Dr. Heather Mathewson, Dr. T. Wayne Schwertner, Dr. Hemanta Kafley, Dr. Barry Lambert) – presentation of the EcoSET project assumptions and Faculty of Animal Breeding and Biology scientific and didactic offer, finding common research areas. Visiting laboratories and experimental station.


3. Meeting with Biology and Science Faculty (Dr. Max Sanderford, Dr. Victoria Chraibi, Dr. Janice Speshock, Dr. Kristin Herrmann, Dr. Barry Lambert) – presentation of the EcoSET project assumptions and Faculty of Animal Breeding and Biology scientific and didactic offer, finding common research areas.

4. Participating in Community of Scholars Presentation by Dr. T. Wayne Schwertner – lecture "Ours is Not to Be the Last Species Standing".

5. Visiting the TSU Campus and discussions with Dr. Barry Lambert and Dr. Jim P. Muir about future collaboration and discussions on logistics issues (accommodation etc.). Discussions with Dr. Barry Lambert and Prof. Donald McGahan about joint articles in the field of biotechnology, soil science and environmental sciences.
6. Visit to Fossil Rim Wildlife Center – place dedicated to the conservation of species in peril, conducting scientific research, training of professionals, responsible management of natural resources and public education. Discussion about possibilities of collaboration.

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Uniwersytet Technologiczno-Przyrodniczy im. Jana i Jędrzeja Śniadeckich w Bydgoszczy

AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA NARODOWA AGENCJA WYMIANY AKADEMICKIEJ

Description of results obtained during the implementation of the task:

Short-term:	1. Visit at a Partner's University and presentation of EcoSET Project assumptions to different research group's members. 2. Discussion on the publication of a joint article by Dr. Magdalena Kolenda with Dr. Barry Lambert. 3. Discussion on the publication of a joint article by Prof. Szymon Różański with Prof. Donald McGahan.
Long-term:	1. The cooperation development in the research field „Wildlife" – finding common research area for Dr. T. Wayne Schwertner and Dr. Włodzimierz Nowicki, and in "Animal science and fisheries" for Dr. Jim P. Muir and Prof. Szymon Różański who have already exchanged ideas about possibilities for joint articles and research visits. 2. The possibility of organizing lectures in the field of BIM given by Dr. Orlando Bagcal. 3. The possibility of Dr. Poorya Hajyalikhani participation in Civil Engineering: Present Problems, Innovative Solutions CEPPIS 2020 Conference held in May at UTP (organized by Dr. Jarosław Górecki) 4. Participation in the closing conference with common articles.

12.03.2020.

Szymon L. Różański

date, Beneficiary signature

14.03.2020.

date, Project Manager signature

Report

Task:

V	Task 1. Organisation of scientific visits for UTP employees and students and Partner representatives
	Task 2. Subsidising UTP employees' participation in international conferences combined with presentation of achievements in form of a lecture or a poster

Participant's first and last name, academic degree and title:

Katarzyna Stadnicka, dr

University name:

Uniwersytet Technologiczno- Przyrodniczy im. Jana i Jędrzeja Śniadeckich w Bydgoszczy

Faculty/Department name:

Wydział Hodowli i Biologii Zwierząt, Katedra Biotechnologii i Genetyki Zwierząt

Implementation period:

07/07-10/07/2021

Description of actions implemented within the task:

1. Development of research cooperation and networking on avian stem cells (primordial germ cells);
2. Supervision of ongoing experiments;
3. Conceptualization and setting the plan for further networking

Description of results obtained during the implementation of the task:

Short-term:	The 2-day meetings and site visits in the Centre for Animal Gene Conservation (hosted by Dr Eszter Varkonyi) and in the Agricultural Biotechnology Institute (hosted by prof. Elen Gocze), resulted in detailed plan for further common actions: - Completion of experimental study to optimize long-term culture of PGCs isolated from donor green leg partridge like chickens and isolation of high quality genetic material for molecular analysis thereof, co-realized by Michelle Paradowska MSc (UTP Bydgoszcz) and Dr Bence Lazar (Godollo) under supervision of Dr Eszter Varkonyi Timelines: 06.2021- 12.2021 (estimated) - Agreement on finalizing common publication: Contribution of breed to germplasm competition in chicken chimeras Expected submission: 11.2021 - Agreement on the seminar on site (Bydgoszcz Polytechnics) concluding the above research, discussing publication of results and setting the further goals including common project proposal (eg. OPUS-NCN 2022)
Long-term:	- agreement was made to seek for POTENTIAL FUNDING OPPORTUNITIES in 2022 and apply for additional funds for networking – particularly, to establish a research network for studies involving chicken germplasm (measures to be taken in the beginning of 2022)

Stedicke

date, Beneficiary signature

date, Project Manager signature

Report

Task:

X	Task 1. Organisation of scientific visits for UTP employees and students and Partner representatives
	Task 2. Subsidising UTP employees' participation in international conferences combined with presentation of achievements in form of a lecture or a poster

Participant's first and last name, academic degree and title:

Marek Bednarczyk, dr hab. prof.

University name:

UTP, Uniwersytet Technologiczno-Przyrodniczy w Bydgoszczy

Faculty/Department name:

WHiBZ

Implementation period:

07.07.- 10.07.2021

Description of actions implemented within the task:

1. Analysis of the research internship of Ms Michelle Paradowska, at the National Center for Biodiversity and Gene Conservation in Gödöllő,
2. Getting to know the achievements of the National Center for Biodiversity and Gene Conservation and the Hungarian University of Agriculture and Life Sciences, Institute of Genetics and Biotechnology, Animal Biotechnology Department, in the field of in vitro PGCs culture and the creation of bird chimeras,
3. A joint publication preparation,

4. Defining the aims of the further cooperation, 5. Transport of research biological material

Description of results obtained during the implementation of the task:

Short-term:	1. Joint scientific publication, proposed title „Relationship between the genetic similarity of the birds and the results of the competition test" 2. Unique research material: DNA and tissues / for RNA isolation / from established female and male PGCs cell lines and from chimeras tissues and from reconstructed PGCs donors.
Long-term:	1.The directions for further long-term scientific cooperation have been defined, 2. Preparation of a joint research project

14.07.21

date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. Marek Bednarczyk

14.07.21

date, Project Manager signature

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Uniwersytet Technologiczno-Przyrodniczy im. Jana i Jędrzeja Śniadeckich w Bydgoszczy

AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA NARODOWA AGENCJA WYMIANY AKADEMICKIEJ

Report

Task:

X	Task 1. Organisation of scientific visits for UTP employees and students and Partner representatives
	Task 2. Subsidising UTP employees' participation in international conferences combined with presentation of achievements in form of a lecture or a poster

Participant's first and last name, academic degree and title:

MSc Eng. Michelle Paradowska

University name:

UTP University of Science and Technology in Bydgoszcz

Faculty/Department name:

Faculty of Animal Breeding and Biology, Department of Animal Biotechnology and Genetics

Implementation period:

01.06.2021-16.07.2021

Description of actions implemented within the task:

Scientific Internship in the Institute for Gene Conservation Science and Small Animal Research at Godollo. Studying the PGCs culture *in vitro*.

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Uniwersytet Technologiczno-Przyrodniczy im. Jana i Jędrzeja Śniadeckich w Bydgoszczy

AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA NARODOWA AGENCJA WYMIANY AKADEMICKIEJ

Description of results obtained during the implementation of the task:

Short-term:	Isolation of PGCs from 120 eggs of Green-legged Partridgelike chickens. Starting cell cultures. Sex determination of isolated cells. Culturing cells. Isolating RNA. Freezing obtained cell lines and bringing them back to the University. Learning how to isolate gonads from embryos, inject isolated and cultured PGCs to chicken embryos, insemination of chickens. Presenting to the workers of the Institute in Godollo a 30 minute presentation about the University of Science and Technology, Faculty of Animal Breeding and Biology, Department of Animal Biotechnology and Genetics and my doctoral dissertation.
Long-term:	Obtaining PG cells and DNA, RNA samples for further analysis. Writing a article from the obtained results. Establishing cooperation between Universities.

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003

20.07.2021, Panasiewska
date, Beneficiary signature

prof. dr hab. Marek Bednarczyk, 20.07.2021
date, Project Manager signature

Report

Task:

x	Task 1. Organisation of scientific visits for UTP employees and students and Partner representatives
	Task 2. Subsidising UTP employees' participation in international conferences combined with presentation of achievements in form of a lecture or a poster

Participant's first and last name, academic degree and title:

Magdalena Dobiszewska, Prof., Ph. D., Eng.

University name:

UTP University of Science and Technology

Faculty/Department name:

Faculty of Civil and Environmental Engineering and Architecture

Implementation period:

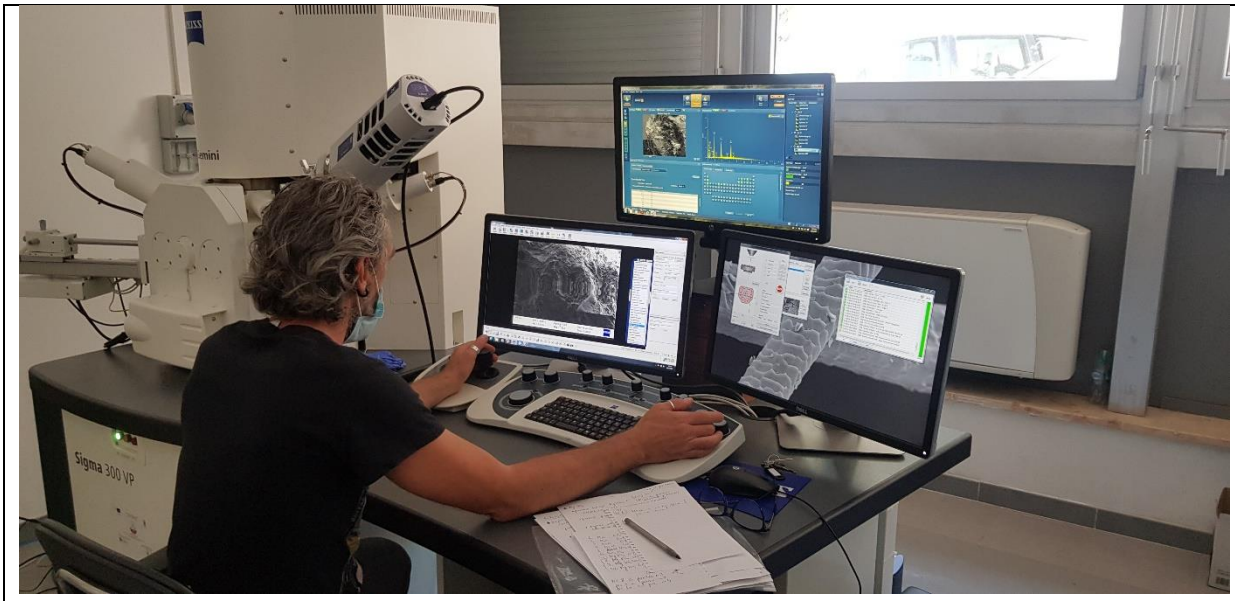
11.06-18.06.2021

Description of actions implemented within the task:

1. Meetings with Prof. Umberto Fratino - Head of the Department of Civil, Environmental, Land, Construction and Chemistry (DICATECh), Polytechnic University of Bari:
   - interest in EcoSET (NAWA) project framework
   - presentation of the project details
   - presentation of the project goals
   - discussion of the means of achieving the goals
   - distribution of contact details

- invitation to Poland, to UTP University of Science and Technology

2. Meetings with researchers from the DICATECh Department (Prof. Michele Notarnicola – leader of the scientific group, Prof. Andrea Petrella, Prof. Sabino de Gisi, Prof. Francesco Todaro):
   - interest in EcoSET (NAWA) project framework
   - presentation of the project details
   - presentation of the project goals
   - discussion of the means of achieving the goals
   - distribution of contact details
   - establishing the area of scientific cooperation regarding cement composites
   - invitation to Poland, to UTP University of Science and Technology
3. Scientific seminar for the students and researchers from the DICATECh Department "*Cement composites with basalt powder addition*".
4. Performing laboratory tests of cement mortar samples with the addition of basalt dust.
5. Other activities:
   - discovering the campus and laboratories of the Department of Civil, Environmental, Land, Construction and Chemistry (DICATECh)
   - meetings with Erasmus program coordinator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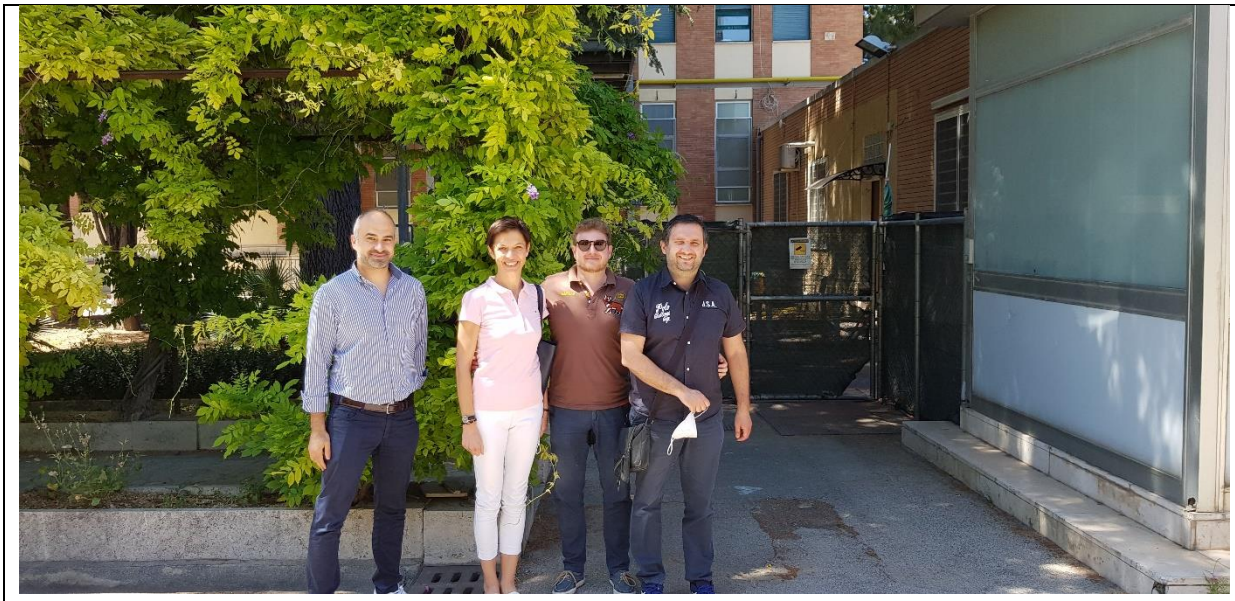

Description of results obtained during the implementation of the task:

Short-term:	1. Presentation of the EcoSET project (NAWA). Encouraging employees from the Polytechnic University of Bari (Politecnico di Bari) to visit UTP. 2. To provide the employees with basic information about UTP and Bydgoszcz. 3. Consultations with Prof. Michele Notarnicola, Prof. Andrea Petrella, Prof. Sabino de Gisi, Prof. Francesco Todaro concerning scientific articles under development.

Long-term:	1. Discovering the main areas of research and development conducted at the Department of Civil, Environmental, Land, Construction and Chemistry (DICATECh) with the perspective of encouraging UTP employees to cooperate with peers from the Host University, 2. Exchange of information on scientific interests with Prof. Michele Notarnicola, Prof. Andrea Petrella, Prof. Sabino de Gisi, Prof. Francesco Todaro. Discussions concerning joint projects and publications. 3. Preparation of samples of mortars and concretes with waste addition and further research in laboratory of the DICATECh Department during the next research visit (September 2021).

06.07.2021

date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003

prof. dr hab. Marek Bednarczyk

date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA NARODOWA AGENCJA WYMIANY AKADEMICKIEJ

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Magdalena Kolenda, PhD

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology / Department of Animal Biotechnology and Genetics

Implementation period:

14/06/2021-26/06/2021 and 19/07/21-30/09/2021

Description of actions implemented within the task:

Strengthening international cooperation conducted as part of the EcoSET NAWA project. Expanding knowledge in the field of bioinformatics, biostatistics, genetics and computer science. Genotypic data analysis, learning how to use programs used to create, collect and process databases.

During the internship, regular meetings and webinars were organized in the team formed on MS Teams and consultations were conducted also via WhatsApp. During the internship, the classes focused on getting acquainted with several programs and applications that allow for the creation, collection and processing of databases. During this time, I underwent training in the use of MySQL to create and modify databases, create, modify and manage a website created to collect and archive data from breeders. For this purpose, training in the basics of using HTML and ASP languages was conducted. In addition, the use of two programs / applications for estimating the breeding value of animals - GenSel (provided by the iPlant Collaborative) and the WOMBAT program was presented.

The imputation of genetic data, which is to be further processed during the visit of representatives of the foreign partner to Poland, has also started. During the internship, the tutor prof. Hasan Önder delivered a lecture as part of the open meeting of PTZ in Bydgoszcz, which the professor did on 06/18/2021. Moreover, the professor issued an invitation to participate free of charge in the international conference, of which he was a co-organizer. During the internship, work was also done on the creation of articles, reports / presentations / posters for international conferences. The possibility and details of the visit of representatives of Ondokuz Mayıs University in Bydgoszcz in October 2021 were also discussed. Prof. Önder was invited to participate in the international conference "Environment-Animal-Human" organized as part of the 20th Anniversary of the Acta Scientiarum Polonorum Zootechnica journal, an article was also prepared to appear in a special issue of Acta Scientiarum Polonorum Zootechnica.

Description of results obtained during the implementation of the task:

Short-term:	Participation in meetings, seminars and a lecture given by prof. Önder at the PTZ meeting. Learning new issues related to biostatistics, genetics and computer science. Organizing an open lecture by prof. Önder during the open meeting of PTZ circle in Bydgoszcz (18/06/2021). Preparation of a tamplate to collect data from breeders. Conducting joint research and analyzes, as a result of which the results were developed and summaries, reports for international scientific conferences and scientific articles were prepared, some of which have already been accepted for publication.

	The results of the collaboration were presented at an international conference organized by the training party. Conference name: The International Congress on Domestic Animal Breeding Genetics and Husbandry September 27-30, 2021 (ICABGEH-21). 1. **Kolenda M.,** Sitkowska B., Lewicz Ł., Rząsińska J., Önder H., Şen U.,Talaska M., 2021. Polymorphism in mitf gene and milk performance of polish holstein-friesian cows. V. International Congress on Domestic Animal Breeding, Genetics and Husbandry - 2021 (ICABGEH-21) Odessa, Ukraine, 27-30 September 2021, in press. **(oral presentation)** 2. Sitkowska B., **Kolenda M.,** Piwczyński D., Lewicz Ł., Rząsińska J., Talaska M., Önder H., Şen U., 2021. The relationship between the breeding value of bulls and milk yields of their daughters milked in automatic and conventional milking systems. V. International Congress on Domestic Animal Breeding, Genetics and Husbandry - 2021 (ICABGEH-21) Odessa, Ukraine, 27-30 September 2021, in press. 3. Aerts J., Piwczyński D., **Kolenda M.,** Sitkowska B., Önder H., 2021. Forecasting milking efficiency cows milked in an automatic milking system using decision tree technique. V. International Congress on Domestic Animal Breeding, Genetics and Husbandry - 2021 (ICABGEH-21) Odessa, Ukraine, 27-30 September 2021, in press. 4. Aerts J., Piwczyński D., Sitkowska B., **Kolenda M.**, Önder H., 2021. Factors responsible for high daily milk yield in an automatic milking system, 2021. V. International Congress on Domestic Animal Breeding, Genetics and Husbandry - 2021 (ICABGEH-21) Odessa, Ukraine, 27-30 September 2021, in press.
Long-term:	Information on publications or articles prepared for printing: 1. Aerts J., Piwczyński D., Ghiasi H., Sitkowska B., Kolenda M., Önder H., 2021. Genetic Parameters Estimation of Milking Traits in Polish Holstein-Friesians Based on Automatic Milking System Data. Animals, 11(7), 1943. https://doi.org/10.3390/ani11071943 2. Şen U.; Şirin E.; Gül FİLİK A; Önder H; Piwczyński D; Kolenda M. Growth and Slaughter Characteristics of Weaning Male Kids of Turkish Native Goat Breeds. Animals 2021, 11, 2788 . https://doi.org/10.3390/ani11102788 3. Burcu KURNAZ, Hasan ÖNDER, Dariusz PIWCZYŃSKI, Magdalena KOLENDA2 Beata SITKOWSKA. Determination of the Best Model to Predict Milk Dry Matter in High Milk Yielding Dairy Cattle – in special issue made for the Conference „Environment-Animal-Human", Szczecin 14.10.2021 4. Aerts J., Sitkowska B., Piwczyński D., Kolenda M., Önder H. Optimal level of factors for high daily milk yield in automatic milking system. – in press 5. Aerts J., Kolenda M., Piwczyński D., Sitkowska B., Önder H. Forecasting milking efficiency of dairy cows milked in automatic milking system using decision tree technique – under preparation Further possibilities for the preparation of scientific articles are discussed. Other achievements: Strengthening cooperation with a partner from Turkey as part of the EcoSET NAWA project, inviting 2 representatives of the Partner to Poland as part of the EcoSET NAWA program, discussing the visit plan.

1.10.21 Kolenda

date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. Marek Bednarczyk

date, Project Manager signature

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Beata Sitkowska, PhD, PBŚ professor

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology / Department of Animal Biotechnology and Genetics

Implementation period:

14/06/2021-26/06/2021 and 19/07/21-30/09/2021

Description of actions implemented within the task:

Strengthening international cooperation conducted as part of the EcoSET NAWA project. Expanding knowledge in the field of bioinformatics, biostatistics, genetics and computer science. Genotypic data analysis, learning how to use programs used to create, collect and process databases.

During the internship, regular meetings and webinars were organized in the team formed on MS Teams and consultations were conducted also via WhatsApp. During the internship, the classes focused on getting acquainted with several programs and applications that allow for the creation, collection and processing of databases. During this time, I underwent training in the use of MySQL to create and modify databases, create, modify and manage a website created to collect and archive data from breeders. For this purpose, training in the basics of using HTML and ASP languages was conducted. In addition, the use of two programs / applications for estimating the breeding value of

animals - GenSel (provided by the iPlant Collaborative) and the WOMBAT program was presented. The imputation of genetic data, which is to be further processed during the visit of representatives of the foreign partner to Poland, has also started.
During the internship, the tutor prof. Hasan Önder delivered a lecture as part of the open meeting of PTZ in Bydgoszcz, which the professor did on 06/18/2021. Moreover, the professor issued an invitation to participate free of charge in the international conference, of which he was a co-organizer.
During the internship, work was also done on the creation of articles, reports / presentations / posters for international conferences. The possibility and details of the visit of representatives of Ondokuz Mayıs University in Bydgoszcz in October 2021 were also discussed.
Prof. Önder was invited to participate in the international conference "Environment-Animal-Human" organized as part of the 20th Anniversary of the Acta Scientiarum Polonorum Zootechnica journal, an article was also prepared to appear in a special issue of Acta Scientiarum Polonorum Zootechnica.

Description of results obtained during the implementation of the task:

Short-term:	Participation in meetings, seminars and a lecture given by prof. Önder at the PTZ meeting. Learning new issues related to biostatistics, genetics and computer science. Organizing an open lecture by prof. Önder during the open meeting of PTZ circle in Bydgoszcz (18/06/2021). Preparation of a tamplate to collect data from breeders. Conducting joint research and analyzes, as a result of which the results were developed and summaries, reports for international scientific conferences and scientific articles were prepared, some of which have already been accepted for publication.

	The results of the collaboration were presented at an international conference organized by the training party. Conference name: The International Congress on Domestic Animal Breeding Genetics and Husbandry September 27-30, 2021 (ICABGEH-21). 1. **Kolenda M.,** Sitkowska B., Lewicz Ł., Rząsińska J., Önder H., Şen U.,Talaska M., 2021. Polymorphism in mitf gene and milk performance of polish holstein-friesian cows. V. International Congress on Domestic Animal Breeding, Genetics and Husbandry - 2021 (ICABGEH-21) Odessa, Ukraine, 27-30 September 2021, in press. **(oral presentation)** 2. Sitkowska B., **Kolenda M.,** Piwczyński D., Lewicz Ł., Rząsińska J., Talaska M., Önder H., Şen U., 2021. The relationship between the breeding value of bulls and milk yields of their daughters milked in automatic and conventional milking systems. V. International Congress on Domestic Animal Breeding, Genetics and Husbandry - 2021 (ICABGEH-21) Odessa, Ukraine, 27-30 September 2021, in press. 3. Aerts J., Piwczyński D., **Kolenda M.,** Sitkowska B., Önder H., 2021. Forecasting milking efficiency cows milked in an automatic milking system using decision tree technique. V. International Congress on Domestic Animal Breeding, Genetics and Husbandry - 2021 (ICABGEH-21) Odessa, Ukraine, 27-30 September 2021, in press. 4. Aerts J., Piwczyński D., Sitkowska B., **Kolenda M.**, Önder H., 2021. Factors responsible for high daily milk yield in an automatic milking system, 2021. V. International Congress on Domestic Animal Breeding, Genetics and Husbandry - 2021 (ICABGEH-21) Odessa, Ukraine, 27-30 September 2021, in press.
Long-term:	Information on publications or articles prepared for printing: 1. Aerts J., Piwczyński D., Ghiasi H., Sitkowska B., Kolenda M., Önder H., 2021. Genetic Parameters Estimation of Milking Traits in Polish Holstein-Friesians Based on Automatic Milking System Data. Animals, 11(7), 1943. https://doi.org/10.3390/ani11071943 2. Şen U.; Şirin E.; Gül FİLİK A; Önder H; Piwczyński D; Kolenda M. Growth and Slaughter Characteristics of Weaning Male Kids of Turkish Native Goat Breeds. Animals 2021, 11, 2788 . https://doi.org/10.3390/ani11102788 3. Burcu KURNAZ, Hasan ÖNDER, Dariusz PIWCZYŃSKI, Magdalena KOLENDA2 Beata SITKOWSKA. Determination of the Best Model to Predict Milk Dry Matter in High Milk Yielding Dairy Cattle – in special issue made for the Conference „Environment-Animal-Human", Szczecin 14.10.2021 4. Aerts J., Sitkowska B., Piwczyński D., Kolenda M., Önder H. Optimal level of factors for high daily milk yield in automatic milking system. – in press 5. Aerts J., Kolenda M., Piwczyński D., Sitkowska B., Önder H. Forecasting milking efficiency of dairy cows milked in automatic milking system using decision tree technique – under preparation Further possibilities for the preparation of scientific articles are discussed. Other achievements: Strengthening cooperation with a partner from Turkey as part of the EcoSET NAWA project, inviting 2 representatives of the Partner to Poland as part of the EcoSET NAWA program, discussing the visit plan.

12.10.2021, [signature]
date, Beneficiary signature

12.10.2021, [signature]
date, Project Manager signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Marek Bednarczyk, prof.

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology / Department of Animal Biotechnology and Genetics

Implementation period:

02.09 to 29.09.21

Description of actions implemented within the task:

During the time spent in Campobasso the following activities took place:
- Meeting with the authorities of the Department of Agricultural, Environmental and Food Sciences, discussion on the possibilities of the future cooperation.
- Several-day meeting with representatives of Gal Terre Locridee - Gruppo di Azione Locale Locride and Cooperativa Maiale Nero d'Aspromonte in Locri, Calabria, discussion on the possibility of obtaining EU funds for the implementation of joint research.
- a joint publication was prepared.
- Training on in ovo injection into the embryo was carried out,
- A joint experiment was carried out on the long-term effect of an innovative synbiotic administered in ovo on the 12th day of embryonic development on the embryonic and post-embryonic development of chicks and on the chicken microbiota status.

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Description of results obtained during the implementation of the task:

Short-term:	- Visit at a Partner's University and presentation of EcoSET Project to different researchers. - The above-mentioned experiment was started and is continued, some samples were taken for laboratory tests.
Long-term:	- Strengthening the relationship with the EcoSET Partners. - Invitation to Bydgoszcz University of Science and Technology, Poland was given to the Partner's representatives. Possible time for their arrival would be September 2022. Participation of Partner's representatives in the closing conference. - It was decided to organize, in April 2022, at the University of Molise, a scientific conference for young researchers and their supervisors. - It was decided to submit a joint application with organizations from Calabria to obtain EU funding for the planned research project. - The internship of Mr Mengjun Wu at University of Science and Technology in 2022 has been planned

Kierownik Projektu EcoSET
Projekt nr BPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczuk (7986)

date, Beneficiary signature

date, Project Manager signature

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Magdalena Dobiszewska, Prof., PhD., Eng.

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Civil and Environmental Engineering and Architecture

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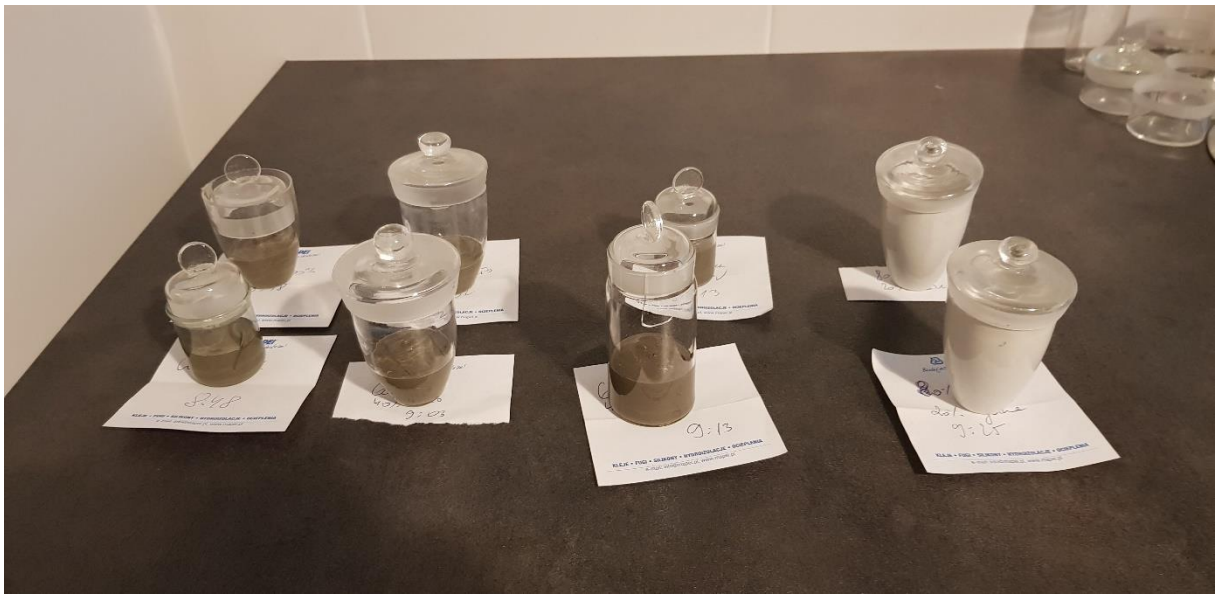
Implementation period:

11.09-09.10.2021

Description of actions implemented within the task:

1. Preparation of paste cement samples with glass powder, ground tire rubber and photovoltaic glass for hydration process analysis.
2. Performing laboratory tests (SEM analysis) of cement mortar samples with the addition of basalt dust, waste glass powder, tire rubber waste and photovoltaic glass.
3. Meetings with researchers from the DICATECh Department (Prof. Michele Notarnicola – leader of the scientific group, Prof. Andrea Petrella, Prof. Sabino de Gisi, Prof. Francesco Todaro):
   - presentation of research results conducted during the stay in Polytechnic University of Bari
   - discussion of the EcoSET (NAWA) Project details, goals, and means of achieving these goals
   - presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS) research groups
   - establishing the area of further scientific cooperation
   - invitation to Poland, to Bydgoszcz University of Science and Technology in order to continue joint research
   - invitation to Bydgoszcz University of Science and Technology in June 2022 for a closing conference to sum up the EcoSET (NAWA) Project
4. Meeting with the PhD students:
   - interest in EcoSET (NAWA) project framework
   - presentation of the project details and goals
   - invitation to Poland, to Bydgoszcz University of Science and Technology
5. Other activities:
   - visiting the campus and laboratories of the Department of Civil, Environmental, Land, Construction and Chemistry (DICATECh)
   - meeting with Prof. Sabino de Gisi - Erasmus program representative of the Department of Civil, Environmental, Land, Construction and Chemistry (DICATECh)

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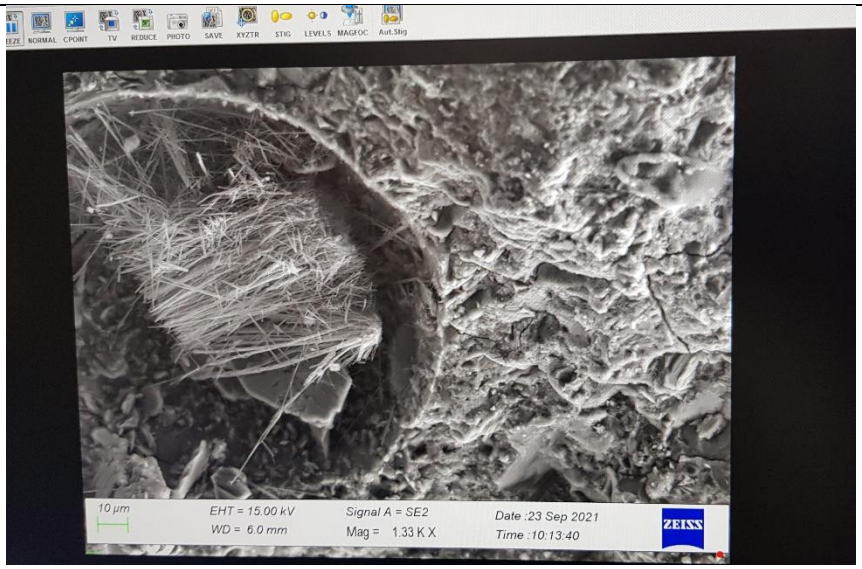
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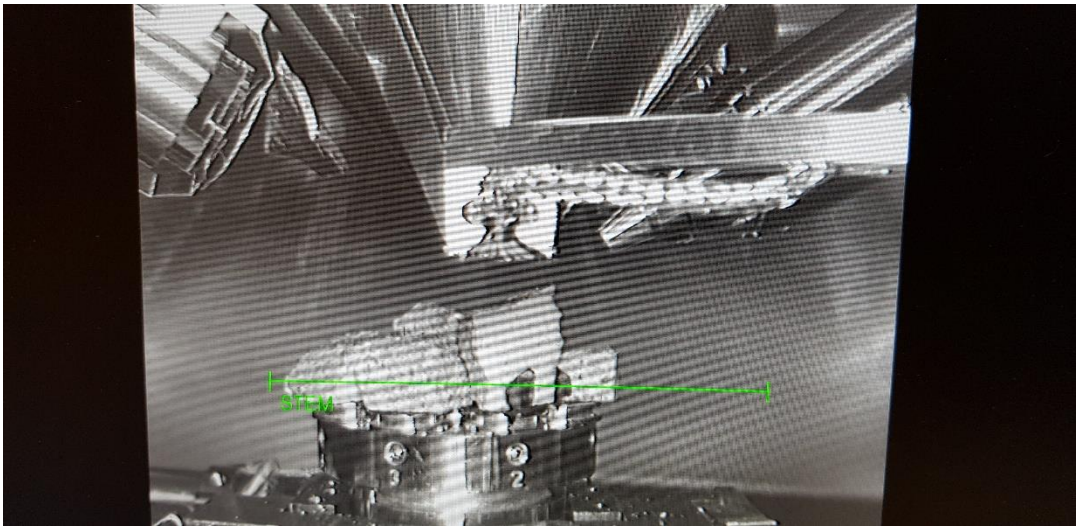
STEM


Diagrammi di stato
FASE: porzione di materia omogenea (gas o vapori, liquidi completamente miscibili, solidi costituiti da un solo elemento o da un solo composto o da soluzioni solide omogenee
LEGHE: miscele di due o più metalli o di un metallo e di un non metallo
COMPOSITI: materiali contenenti diverse fasi, insieme meccanicamente, per migliorare la resistenza meccanica, la resilienza, il creep.
MANIGLIONE ANTIPANICO


HAPPY
30th


The better the question. The better the answer.
The better the world works.

Description of results obtained during the implementation of the task:

Short-term:	1. Discussion about the possibility of international scientific collaboration in the EcoSET Project framework. Encouraging employees from the Polytechnic University of Bari (Politecnico di Bari) to visit Bydgoszcz University of Science and Technology. 2. Establishing cooperation of teachers and students between Bydgoszcz University of Science and Technology and Polytechnic University of Bari in the ERASMUS program framework. The agreement proposal has been sent to International Relations Office (Bydgoszcz University of Science and Technology). 3. Consultations with Prof. Michele Notarnicola, Prof. Andrea Petrella, Prof. Sabino de Gisi, Prof. Francesco Todaro concerning scientific articles under development.
Long-term:	Currently three articles are prepared concerning the analysis of the different mineral waste additives influence on the cementitious composites properties. Titles of articles: 1. Hydration of the cement with waste glass powder addition 2. Effect of waste glass powder addition on properties of cement mortar 3. Durability of cement mortar with waste basalt powder addition as a substitution of fine aggregate

15.10.2021

date, Beneficiary signature

16.10.2021

date, Project Manager signature

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Magdalena Kolenda, PhD

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Mendel University in Brno

Implementation period:

3-9/10/2021

Description of actions implemented within the task:

During the time spent in Brno the following meetings took place:

1. Meeting with **Assoc. Prof. Ing. Petr Sláma**, Ph.D. from Department of Animal Morphology, Physiology and Genetics from Faculty for AgriSciences.
   - presentation of the Bydgoszcz University of Science and Technology and the Faculty of Animal Breeding and Biology, as well as the main assumptions of the EcoSET project
   - getting to know the organizational structure of the Faculty for AgriSciences
   - visiting the departmental laboratories
   - discussions of the possible future scientific cooperation and manuscript preparations
   - exchange of contacts and invitations to the PBŚ as part of the EcoSET project lasting until September 2022
2. Meeting with **Prof. David Hampel** from the Department of Statistics and Operation Analysis from the Faculty of Business and Economics

- presentation of the Bydgoszcz University of Science and Technology and the main assumptions of the EcoSET project
- discussion on the possible cooperation on the statistical analysis of results obtained in the research of M. Kolenda PhD. and Prof. Dariusz Piwczyński
- exchange of contacts and invitations to the PBŚ as part of the project lasting until September 2022

3. Meeting with **prof. Ing. Martina Lichovníková, Ph.D.** - Vice-rector for International Affairs
- presentation of the Bydgoszcz University of Science and Technology, the Faculty of Animal Breeding and Biology, as well as the main assumptions of the EcoSET project
- discussing the possibilities to increase the number of mobilities between both universities (in the frame of Erasmus+ program as well as EcoSET project)
- exchange of contacts and invitations to the PBŚ as part of the EcoSET project lasting until September 2022

4. Meeting with **Mgr. Lukáš Kala, Ph.D.** - Head of the International Relations Office and Ing. **MSc. Michaela Menšíková, Ph.D.** - Erasmus + Institutional Coordinator
- presentation of the Bydgoszcz University of Science and Technology, the Faculty of Animal Breeding and Biology, as well as the main assumptions of the EcoSET project
- presentation of PBŚ Erasmus offer
- discussion on the possibilities of increasing the number of Erasmus mobilities
- discussion on the possibilities of prolonging the Erasmus bilateral agreement
- exchange of contacts and invitations to the PBŚ as part of the EcoSET project lasting until September 2022

Description of results obtained during the implementation of the task:

Short-term:	Visit at a Partner's University and presentation of EcoSET Project to different researchers.

Long-term:	The potential cooperation with Assoc. Prof. Ing. Petr Sláma, Ph.D. from Department of Animal Morphology, Physiology and Genetics from Faculty for AgriSciences and/or the team of Prof. David Hampel from the Department of Statistics and Operation Analysis from the Faculty of Business and Economics. Strengthening the relationship with the EcoSET Partners. Invitation to Bydgoszcz University of Science and Technology, Poland was given to the Partner's representatives. Possible time for their arrival would be spring 2022. Participation of Partner's representatives in the closing conference.

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Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

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AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA NARODOWA AGENCJA WYMIANY AKADEMICKIEJ

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Dariusz Piwczyński, PhD

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Mendel University in Brno

Implementation period:

3-9/10/2021

Description of actions implemented within the task:

During the time spent in Brno the following meetings took place:

1. Meeting with **Assoc. Prof. Ing. Petr Sláma**, Ph.D. from Department of Animal Morphology, Physiology and Genetics from Faculty for AgriSciences.
   - presentation of the Bydgoszcz University of Science and Technology and the Faculty of Animal Breeding and Biology, as well as the main assumptions of the EcoSET project
   - getting to know the organizational structure of the Faculty for AgriSciences
   - visiting the departmental laboratories
   - discussions of the possible future scientific cooperation and manuscript preparations
   - exchange of contacts and invitations to the PBŚ as part of the EcoSET project lasting until September 2022
2. Meeting with **Prof. David Hampel** from the Department of Statistics and Operation Analysis from the Faculty of Business and Economics

- presentation of the Bydgoszcz University of Science and Technology and the main assumptions of the EcoSET project
- discussion on the possible cooperation on the statistical analysis of results obtained in the research of M. Kolenda PhD. and Prof. Dariusz Piwczyński
- exchange of contacts and invitations to the PBŚ as part of the project lasting until September 2022

3. Meeting with **prof. Ing. Martina Lichovníková, Ph.D.** - Vice-rector for International Affairs
- presentation of the Bydgoszcz University of Science and Technology, the Faculty of Animal Breeding and Biology, as well as the main assumptions of the EcoSET project
- discussing the possibilities to increase the number of mobilities between both universities (in the frame of Erasmus+ program as well as EcoSET project)
- exchange of contacts and invitations to the PBŚ as part of the EcoSET project lasting until September 2022

4. Meeting with **Mgr. Lukáš Kala, Ph.D.** - Head of the International Relations Office and Ing. **MSc. Michaela Menšíková, Ph.D.** - Erasmus + Institutional Coordinator
- presentation of the Bydgoszcz University of Science and Technology, the Faculty of Animal Breeding and Biology, as well as the main assumptions of the EcoSET project
- presentation of PBŚ Erasmus offer
- discussion on the possibilities of increasing the number of Erasmus mobilities
- discussion on the possibilities of prolonging the Erasmus bilateral agreement
- exchange of contacts and invitations to the PBŚ as part of the EcoSET project lasting until September 2022

Description of results obtained during the implementation of the task:

Short-term:	Visit at a Partner's University and presentation of EcoSET Project to different researchers.

Long-term:	The potential cooperation with Assoc. Prof. Ing. Petr Sláma, Ph.D. from Department of Animal Morphology, Physiology and Genetics from Faculty for AgriSciences and/or the team of Prof. David Hampel from the Department of Statistics and Operation Analysis from the Faculty of Business and Economics. Strengthening the relationship with the EcoSET Partners. Invitation to Bydgoszcz University of Science and Technology, Poland was given to the Partner's representatives. Possible time for their arrival would be spring 2022. Participation of Partner's representatives in the closing conference.

12.10.2021

date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

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AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA NARODOWA AGENCJA WYMIANY AKADEMICKIEJ

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

MSc Agata Bukaluk

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Civil and Environmental Engineering and Architecture

Implementation period:

3-9.10.2021

Description of actions implemented within the task:

During the time spent in Brno the following meeting took place:

1. Meeting with **Assoc. Prof. Ing. Petr Sláma, Ph.D.** from Department of Animal Morphology, Physiology and Genetics from Faculty for AgriSciences

- presentation of the Bydgoszcz University of Science and Technology, the Faculty of Civil and Environmental Engineering and Architecture and the main assumptions of the EcoSET project
- getting to know the organizational structure of the Faculty for AgriSciences
- visiting the departmental laboratories

• exchange of contacts and invitation to the PBŚ as part of the EcoSET project lasting until September 2022

2. Meeting with **Prof. David Hampel** from the Department of Statistics and Operation Analysis from the Faculty of Business and Economics

• presentation of the Bydgoszcz University of Science and Technology and the main assumptions of the EcoSET project

• discussion on the possible cooperation on the statistical analysis of results obtained in the research of Magdalena Kolenda, PhD. and Prof. Dariusz Piwczyński

• exchange of contacts and invitation to the PBŚ as part of the project lasting until September 2022

3. Meeting with **Prof. Ing. Martina Lichovníková, Ph.D.** - Vice-rector for International Affairs

• presentation of the Bydgoszcz University of Science and Technology, the Faculty of Civil and Environmental Engineering and Architecture and the main assumptions of the EcoSET project

• exchange of contacts and invitation to the PBŚ as part of the EcoSET project lasting until September 2022

4. Meeting with **Mgr. Lukáš Kala, Ph.D.** - Head of the International Relations Office and **Ing. MSc. Michaela Menšíková, Ph.D.** - Erasmus + Institutional Coordinator

- presentation of the Bydgoszcz University of Science and Technology, the Faculty of Civil and Environmental Engineering and Architecture and the main assumptions of the EcoSET project
- presentation of PBŚ Erasmus offer

• exchange of contacts and invitation to the PBŚ as part of the EcoSET project lasting until September 2022

• searching for areas in which it is possible to establish cooperation. Based on the characteristics of Mendel University in Brno and the Faculty of Civil and Environmental Engineering and Architecture, two possibilities for cooperation have been proposed:

✓ **Ing. Richard Slávik, Ph.D. from Department of Wood Science and Technology**

Description of the scientific research of the group: Scientists from Mendel University in Brno plan to study the individual structural elements of wooden buildings and analyze their functionality, for which they will use a new experimental module on a university campus that they have built. In the coming years, they will measure and test, inter alia, heat and moisture spread and other parameters. This year's winter will provide them with the first data on the moisture content of some wall and roof compositions.

✓ **Ing. Milan Šimek, Ph.D. from Department of Furniture, Design and Habitat with Faculty of Horticulture**

Description of the activities of the group: New helix benches have been installed next to the Faculty of AgriSciences building. The opening will take place on October 19, 2021 and will inaugurate the Mendel Point relaxation zone. The benches were designed by Erasmus + students as part of the Mendel Point International design workshop.

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA NARODOWA AGENCJA WYMIANY AKADEMICKIEJ

mgr inż. Agata Bukaluk

Faculty of Civil and Environmental Engineering and Architecture

Bydgoszcz University of Science and Technology

Mendel University in Brno

9th October 2021

Confirmation of stay at Mendel University in Brno

I confirm, that Agata Bukaluk from Bydgoszcz University of Science and Technology visited Department of Animal Morphology, Physiology and Genetics at Faculty for AgriSciences, Mendel University in Brno in the framework of the project EcoSET in the term between 3rd and 9th October 2021.

During her stay, she met employees of Department of Animal Morphology, Physiology and Genetics. Agata Bukaluk discussed with them possible future cooperation. She also met assoc. prof. David Hampel from Department of Statistics and Operation Analysis and vice-dean of Faculty of Business and Economics to establish new cooperation. Very important part of the stay was the meeting with prof. Martina Lichovníková, vice-rector for international relations, with Lukáš Kala as Head of International Relations Office and with Michaela Menšíková, Erasmus plus program coordinator.

I appreciate stay of Agata Bukaluk and I hope that we will cooperate in the future.

Assoc. Prof. Ing. Petr Sláma, Ph.D.

Head of Department of Animal Morphology, Physiology and Genetics

Faculty of AgriSciences, Mendel University in Brno

EcoSET Science • Education • Technology

Mendelova univerzita v Brně
Agronomická fakulta
Ústav morfologie,
fyziologie a genetiky zvířat
Zemědělská 1, 613 00 Brno
-1-

Description of results obtained during the implementation of the task:

Short-term:	• Visit at a Partner's University and presentation of EcoSET Project to different researchers
Long-term:	• The potential cooperation with Ing. Richard Slávik, Ph.D. from Department of Wood Science and Technology and Ing. Milan Šimek, Ph.D. from Department of Furniture, Design and Habitat with Faculty of Horticulture • Invitation to Bydgoszcz University of Science and Technology, Poland was given to the Partner's representatives. Possible time for their arrival would be spring 2022 • Participation of Partner's representatives in the closing conference

12.10.2021 Agata Bubek
date, Beneficiary signature

Koordynator wydziałowy WBAiIŚ
Projekt EcoSET nr PPI/APM/2019/1/00003
dr hab. inż. Magdalena Dobiszewska
prof. PBŚ (7899)

12.10.21
date, Project Manager signature

Report

Task:

x	Task 1. Organisation of scientific visits for Bydgoszcz University of Science and Technology employees and students and Partner representatives
	Task 2. Subsidising UTP employees' participation in international conferences combined with presentation of achievements in form of a lecture or a poster

Participant's first and last name, academic degree and title:

Magdalena Dobiszewska, Prof., PhD., Eng.

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Civil and Environmental Engineering and Architecture

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Implementation period:

6.11-12.11.2021

Description of actions implemented within the task:

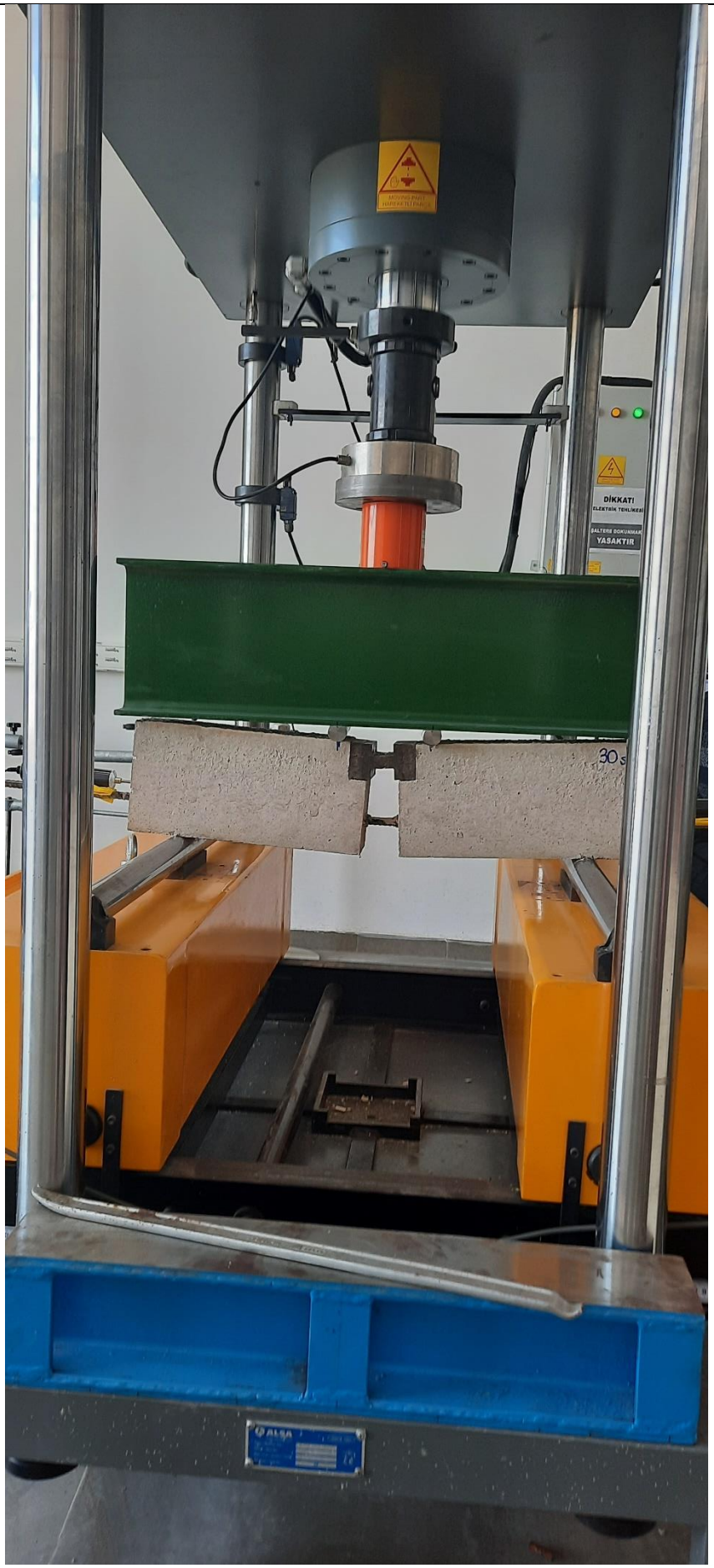
1. Meetings with prof. dr Mehmet Tümay - Rector of Adana Alparslan Turkes Scince and Technology University, prof. dr Serdar Yildirim - vice Rector and Dean of the Faculty of Civil Engineering and prof. dr Serkan Tokgöz:
   - discussion of the EcoSET (NAWA) Project details, goals and means of achieving these goals,
   - presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS) research groups,
   - invitation to Bydgoszcz University of Science and Technology in June 2022 for a closing conference to sum up the EcoSET (NAWA) Project,
   - invitation to participation in next international project and discussion about the details and goals of this new project.
2. Meeting with the group of scholars from Faculty of Civil Engineering:
   - discussion of the EcoSET (NAWA) Project details, goals and means of achieving these goals,
   - presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS) research groups,
   - establishing the area of further scientific cooperation,
   - invitation to Poland, to Bydgoszcz University of Science and Technology in order to continue joint research,
   - invitation to Bydgoszcz University of Science and Technology in June 2022 for a closing conference to sum up the EcoSET (NAWA) Project,
   - visiting the campus and laboratories.


ATÜ


MOVING PART
HAREKETLI PARÇA
ALŞA
KIRIŞ EĞİLME TEST CİHAZI
ALŞA

Description of results obtained during the implementation of the task:

Short-term:	1. Discussion about the possibility of international scientific collaboration in the EcoSET Project framework. Encouraging employees from the Faculty of Civil Engineering to visit Bydgoszcz University of Science and Technology. 2. Consultations with Prof. Ahmet Beycioğlu, concerning scientific articles under development. 3. Participation in scientific laboratory tests for testing the adhesion of concrete to reinforcement. 4. Conducting laboratory tests on the influence of electrical curing on the speed of concrete hardening. 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	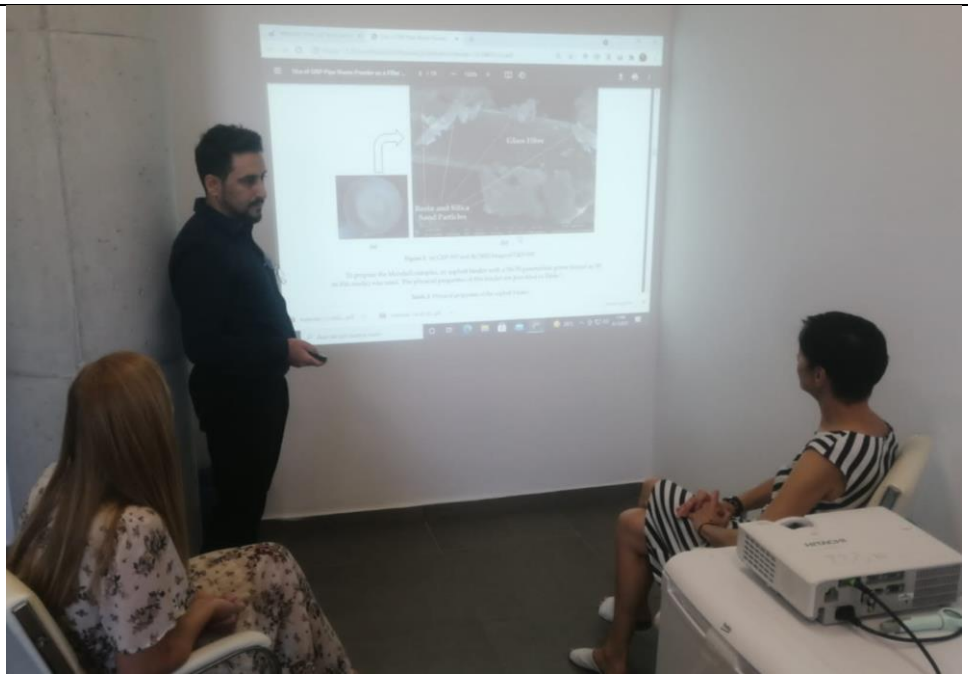 

	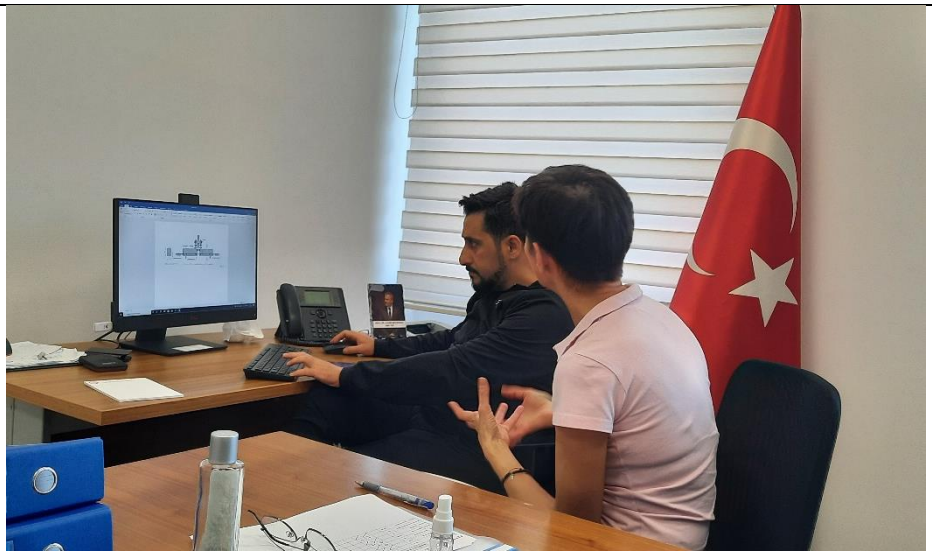
Long-term:	Currently two articles are prepared concerning: – the analysis of the different waste rock dust influence on the cementitious composites properties, – the analysis the influence of electrical curing on the properties of concrete with waste mineral additives

29.11.2021

date, Beneficiary signature

02.12.21

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczuk (7986)

date, Project Manager signature

Report

Task:

X	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Ewa Grochowska, D.Sc.

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology

Implementation period:

03/11/2021 – 01/02/2022

Description of actions implemented within the task:

The aim of the mobility was to complete a three-month research internship entitled "Next-generation sequencing data analysis" in the Center for Quantitative Genetics and Genomics at Aarhus University (Denmark). The tasks implemented during the internship covered:
1/ introduction to bioinformatics; 2/ self-study assignment; 3/ the analysis of next-generation sequencing (NGS) data generated in two projects (including one funded by the National Science Centre in Poland, grant no. UMO-2020/37/B/NZ9/00497), 4/ preparation of a draft manuscript on muscle transcriptomes and differently expressed genes (DEG) in sheep, 5/ co-supervising the PhD student at Aarhus University within MonoGutHealth (MGH) project (Horizon2020); 6/ participation in three supervisor meetings with PhD student enrolled in MGH project; 7/contribution to a review article about the influence of thermal manipulation during embryogenesis on chicken muscle development; 8/ providing an oral presentation about Faculty of Animal Breeding and Biology and Department of Animal Biotechnology and Genetics; 9/providing an oral presentation entitled "Effect of in ovo administration of bioactive substances on the chicken epigenome in the intergenerational and transgenerational approach"; 10/ participation in QGG forum meeting.

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA NARODOWA AGENCJA WYMIANY AKADEMICKIEJ

Description of results obtained during the implementation of the task:

Short-term:	• Gaining new knowledge about the bioinformatic analysis of NGS data. • Learning and the implementation of bioinformatic pipelines in transcriptomic and epigenomic research. • Obtaining results for differently expressed genes in two research projects. • Delivering two draft manuscripts (one research article and one review paper).
Long-term:	• Transfer of new knowledge in the field of bioinformatics. • Development and implementation of bioinformatic pipelines in omics study. • Plan of development of bioinformatics workshop in the Department of Animal Biotechnology and Genetics. • Setting the cooperation with members of the Center for Quantitative Genetics and Genomics (QGG) at Aarhus University. • Development of a cooperation plan with QGG members focusing on joint projects performance and writing common research publications.

10/02/2022 Ewa Grodowska

date, Beneficiary signature

date, Project Manager signature

Report

Task:

x	Task 1. Organisation of scientific visits for Bydgoszcz University of Science and Technology employees and students and Partner representatives
	Task 2. Subsidising UTP employees' participation in international conferences combined with presentation of achievements in form of a lecture or a poster

Participant's first and last name, academic degree and title:

Izabela Kasprzyk, MSc, Eng.

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Civil and Environmental Engineering and Architecture

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Implementation period:

6.11-12.11.2021

Description of actions implemented within the task:

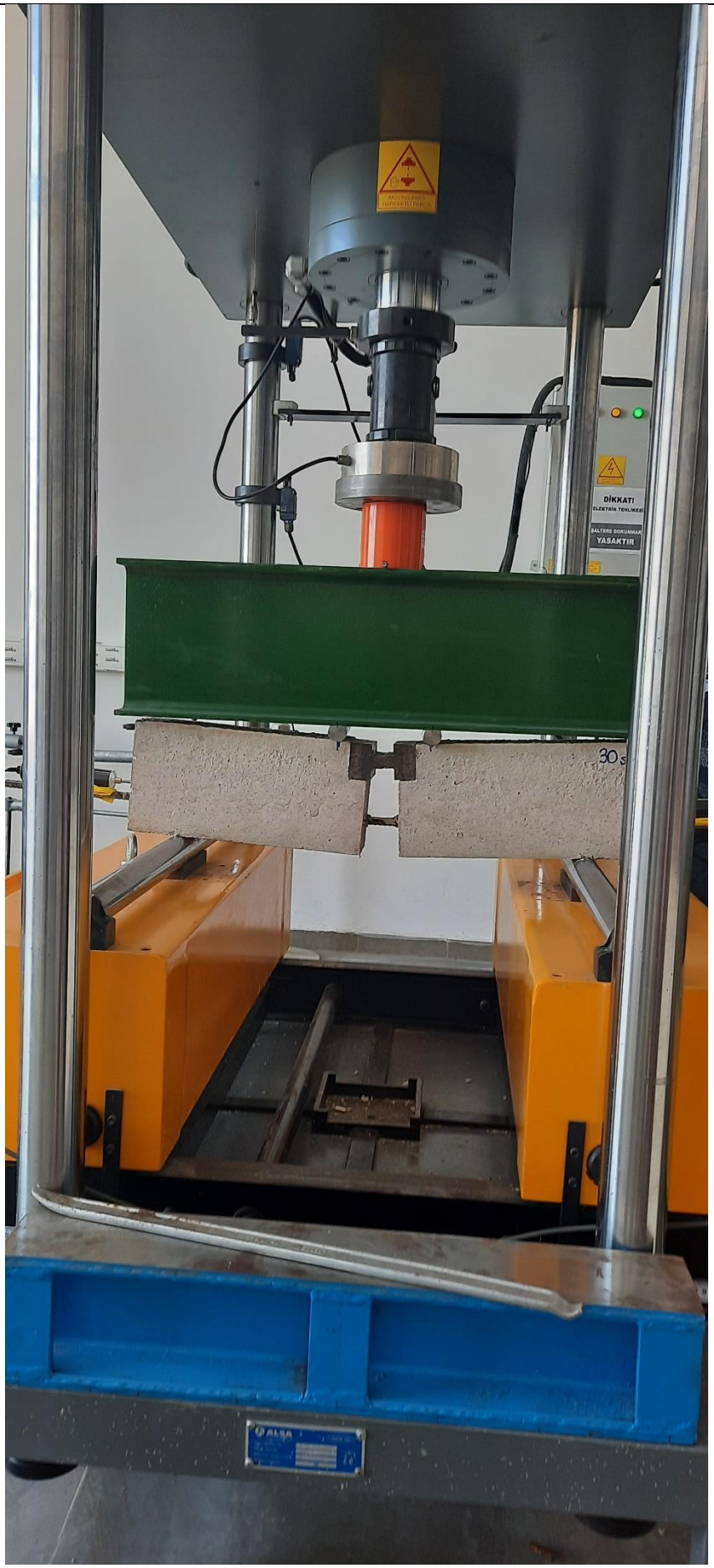
1. Meetings with prof. dr Mehmet Tümay - Rector of Adana Alparslan Turkes Scince and Technology University, prof. dr Serdar Yildirim - vice Rector and Dean of the Faculty of Civil Engineering and prof. dr Serkan Tokgöz:
   - discussion of the EcoSET (NAWA) Project details, goals and means of achieving these goals,
   - presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS) research groups,
   - invitation to Bydgoszcz University of Science and Technology in June 2022 for a closing conference to sum up the EcoSET (NAWA) Project,
   - invitation to participation in next international project and discussion about the details and goals of this new project.
2. Meeting with the group of scholars from Faculty of Civil Engineering:
   - discussion of the EcoSET (NAWA) Project details, goals and means of achieving these goals,
   - presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS) research groups,
   - establishing the area of further scientific cooperation,
   - invitation to Poland, to Bydgoszcz University of Science and Technology in order to continue joint research,
   - invitation to Bydgoszcz University of Science and Technology in June 2022 for a closing conference to sum up the EcoSET (NAWA) Project,
   - visiting the campus and laboratories.


ATÜ


MOVING PART
HAREKETLI PARÇA
ALŞA
KIRIŞ EĞİLME TEST CİHAZI
ALŞA

Description of results obtained during the implementation of the task:

Short-term:	1. Discussion about the possibility of international scientific collaboration in the EcoSET Project framework. Encouraging employees from the Faculty of Civil Engineering to visit Bydgoszcz University of Science and Technology. 2. Consultations with Prof. Ahmet Beycioğlu, concerning scientific articles under development. 3. Participation in scientific laboratory tests for testing the adhesion of concrete to reinforcement. 4. Conducting laboratory tests on the influence of electrical curing on the speed of concrete hardening. 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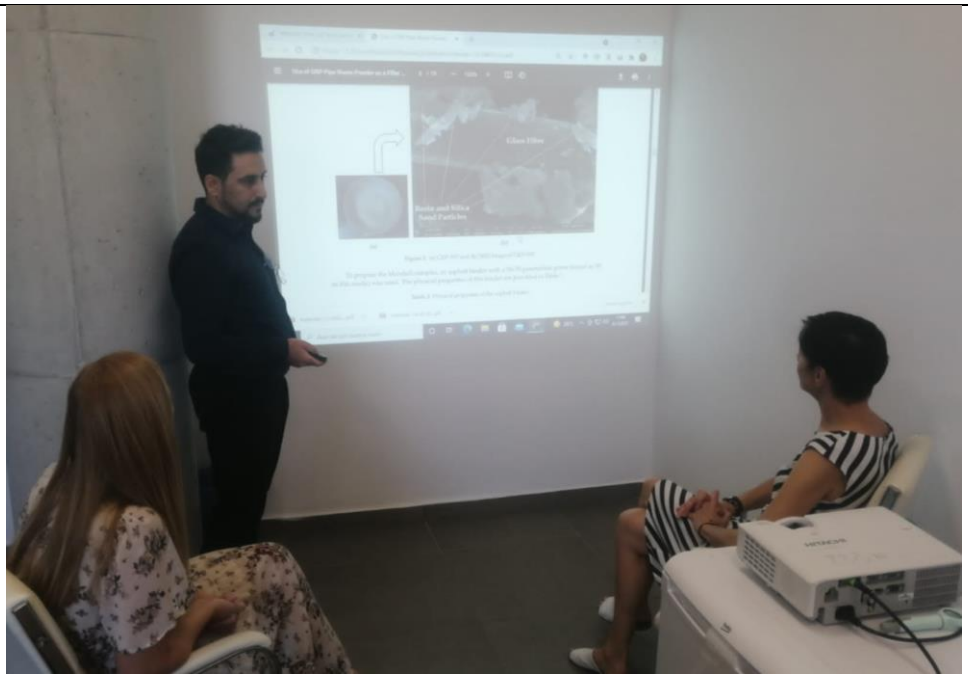
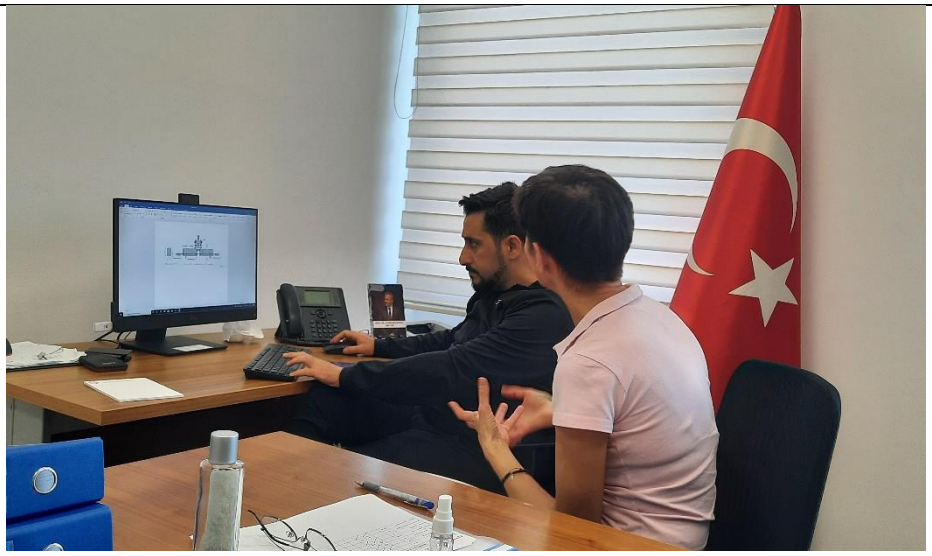
	 

	
Long-term:	Currently two articles are prepared concerning: – evaluation and multi-objective optimization of lightweight mortars parameters at elevated temperature via box–behnken optimization approach, – an investigation on the physical parameters affecting the FRP reinforcement-concrete bond strength.

29.11.2021 Kaspnyk

date, Beneficiary signature

29.11.2021 Dobiśrke

date, Project Manager signature

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Małgorzata Sztubecka Dr.

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Civil and Environmental Engineering and Architecture

Implementation period:

8-12/11/2021

Description of actions implemented within the task:

During the time spent in Brno, the following meetings took place:
1. Meeting with **Assoc. Prof. Milan Gaff**, Head of Department of Furniture, Design and Habitat/ Faculty of Forestry and Wood Technology:

- the Bydgoszcz University of Science and Technology presentation, and the Faculty of Civil and Environmental Engineering and Architecture, as well as the main assumptions of the EcoSET project
- getting to know the organisational structure of the Faculty of Civil and Environmental Engineering and Architecture, in particular, Department of Interior Design
- visiting the departmental Furniture testing centre, and exhibition of created furniture
- discussions of the possible future scientific cooperation
- exchange of contacts and invitations to the PBŚ as part of the EcoSET project lasting until September 2022

2. Meeting with **Assoc. Prof. Daniela Tesařová**, from the Department of Furniture, Design and Habitat/ Faculty of Forestry and Wood Technology • presentation of the Bydgoszcz University of Science and Technology and the main assumptions of the EcoSET project • visiting the departmental two climatic chambers and air-conditioning installation FLEC (Field and laboratory emission cell) thus emission cell, which serves to determine VOC emissions from small test samples of various types of materials • discussions of the possible future scientific cooperation • exchange of contacts and invitations to the PBŚ as part of the EcoSET project lasting until September 2022

Description of results obtained during the implementation of the task:

Short-term:	• Visit at a Partner's University and presentation of EcoSET Project to different researchers.
Long-term:	• The potential cooperation with the Department of Furniture, Design and Habitat from Faculty of Forestry and Wood Technology and Department of Interior Design - Faculty of Civil and Environmental Engineering and Architecture • Strengthening the relationship with the EcoSET Partners. • Invitation to Bydgoszcz University of Science and Technology, Poland, was given to the Partner's representatives. Possible time Spring 2022 • Partner's representatives' participation in the closing conference.

15.11.2021
date, Beneficiary signature

Koordynator wydziałowy WBAiIŚ
Projekt EcoSET nr PPI/APM/2019/1/00003
dr hab. inż. Magdalena Dobiszewska
prof. PBŚ (signature)

15.11.2021
date, Project Manager signature

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Izabela Kasprzyk, MSc

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

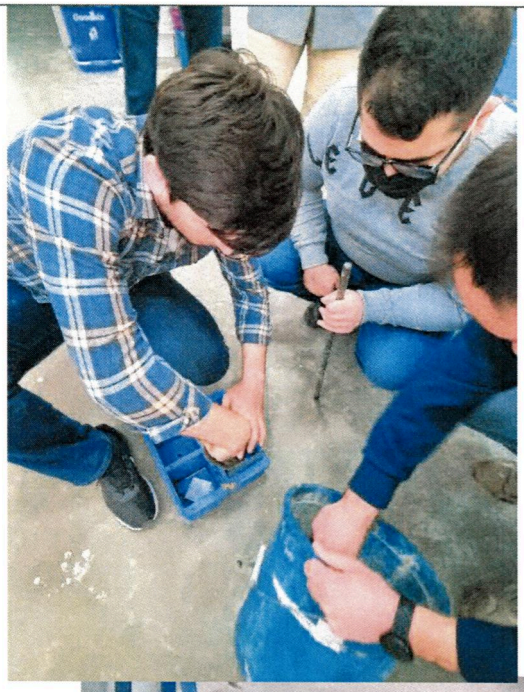
Faculty of Civil and Environmental Engineering and Architecture

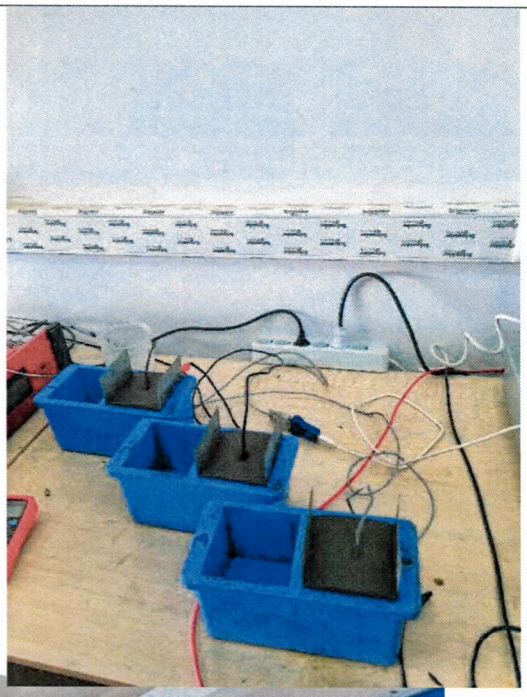
Implementation period:

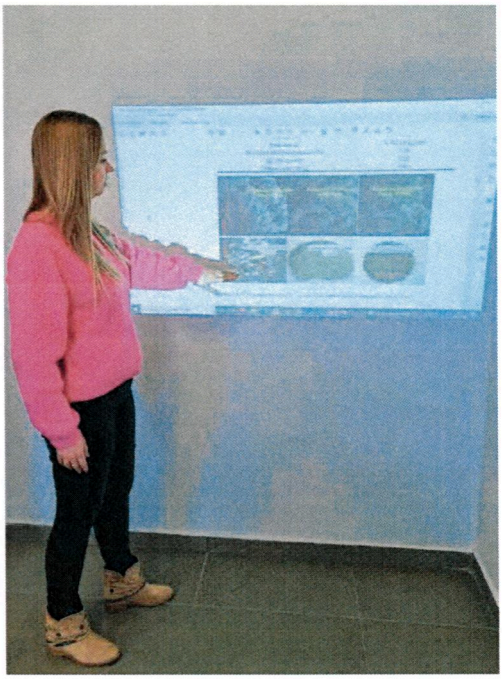
12.03-25.03.2022

Description of actions implemented within the task:

1. Conducting laboratory scientific research at Adana Alparslan Türkeş Science and Technology University on:
- geopolymer concrete based on fly ash,
- geopolymer concrete with the addition of ground waste glass as a substitute for fly ash,
- analysis of the influence of electric curing on the compressive strength of geopolymer concrete,
- analysis of the effect of glass addition on the adhesion of concrete to reinforcing bar.







2. Meeting with students of Alparslan Türkeş Science and Technology University.

3. Meeting with the management of ABA Yalıtım Construction Insulation Systems Company http://www.abayalitim.com/

- presentation of the EcoSET (NAWA) Project details, and achieved goals so far,
- presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS),
- performing tensile strength and durability tests for flexible concrete protective coatings.

4. A visit to a high school Ismail Safa Ozler High School:

- meeting with the headmaster of Mr. Cuma Ozcan, teachers and students,
- presentation of the EcoSET (NAWA) Project details, and achieved goals so far,
- presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS),

- lecture for students „The world needs engineers",

- participation in school celebrations related to the first day of spring (sports games).

Information about the visit was posted on the school's website:

https://iso.meb.k12.tr/icerikler/prof-dr-magdalena-dobiszewska-okulumuzda-ogrencilerimizle-soylesiye-katildi_12656987.html

5. Visit to the KAMBETON Precast Construction company https://www.kambeton.com.tr/en

- presentation of the EcoSET (NAWA) Project details, and achieved goals so far,
- presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS),
- discussion on the issues of joint scientific research on precast concrete.

6. Establishing contacts and plans for future cooperation with Research Assistant Yavuz Çetin Cuma. He is a structural mechanics scientist. We discussed our PhDs, publication and collaboration plans.

Description of results obtained during the implementation of the task:

Short-term:	• Consultations concerning scientific articles under development. • Discussion on new international project Strategic Partnerships Programme which was applicated to Polish National Agency for Academic.
Long-term:	• Initial scientific research was carried out and a program of further research was established on the effect of the addition of ground waste glass on the geopolymer concrete properties and the adhesion of concrete to reinforcing bar. One scientific articles are currently being prepared. • Discussion concerning the possibility of cooperation between Ismail Safa Ozler High School and Bydgoszcz`s High School in the ERASMUS program framework.

	• Encouraging students and employees from the Adana Alparslan Türkeş Science and Technology University to visit Bydgoszcz University of Science and Technology in the ERASMUS program framework. • There are plans to collaborate with a scientist on the mechanics of buildings.

04.04.2022 Kaspnyk

date, Beneficiary signature

Koordynator wydziałowy WBAiIŚ
Projektu EcoSET nr PPI/APM/2019/1/00003
dr hab. inż. Magdalena Dobiszewska
prof. PBŚ (7899)

05.04.22

date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Magdalena Dobiszewska, Prof., PhD., Eng.

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Civil and Environmental Engineering and Architecture

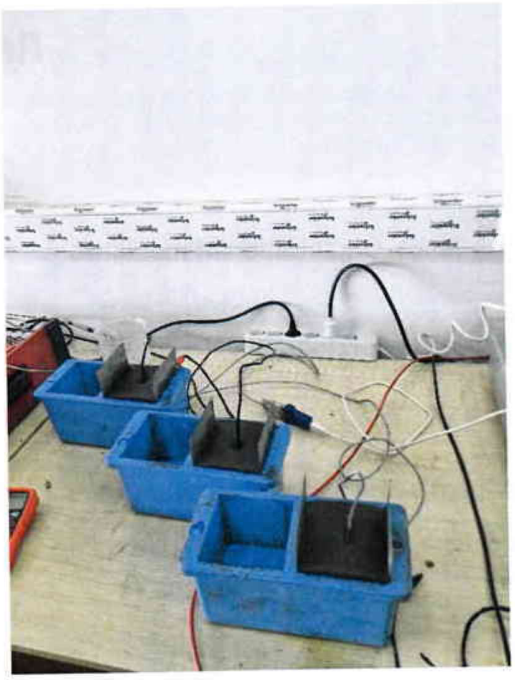
Implementation period:

12.03-25.03.2022

Description of actions implemented within the task:

1. Conducting laboratory scientific research at Adana Alparslan Türkeş Science and Technology University on:

- geopolymer concrete based on fly ash,
- geopolymer concrete with the addition of ground waste glass as a substitute for fly ash,
- analysis of the influence of electric curing on the compressive strength of geopolymer concrete,
- analysis of the effect of glass addition on the adhesion of concrete to reinforcing bar,
- discussion of a research paper currently under development.

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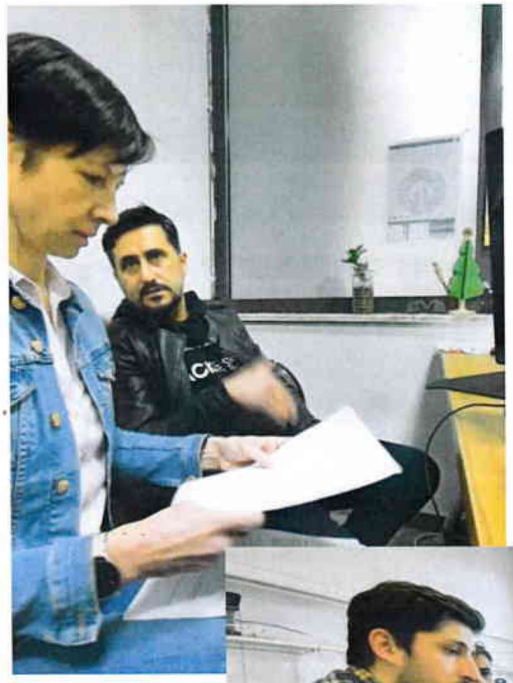

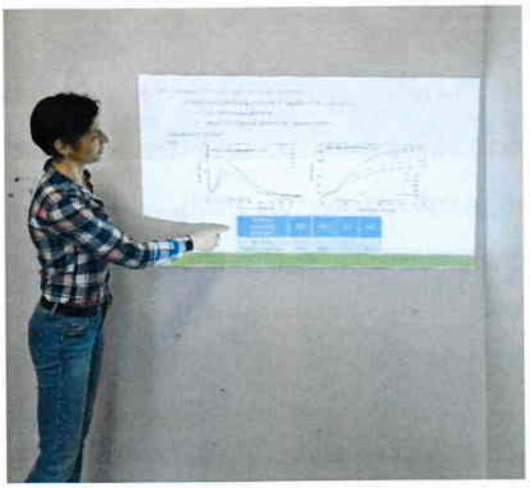

2. Meeting with students of Alparslan Türkeş Science and Technology University.

3. Meeting with the management of ABA Yalıtım Construction Insulation Systems Company

http://www.abayalitim.com/

- presentation of the EcoSET (NAWA) Project details, and achieved goals so far,
- presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS),
- performing tensile strength and durability tests for flexible concrete protective coatings.

4. A visit to a high school Ismail Safa Ozler High School:

- meeting with the headmaster of Mr. Cuma Ozcan, teachers and students,
- presentation of the EcoSET (NAWA) Project details, and achieved goals so far,
- presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS),
- lecture for students „The world needs engineers",
- participation in school celebrations related to the first day of spring (sports games).

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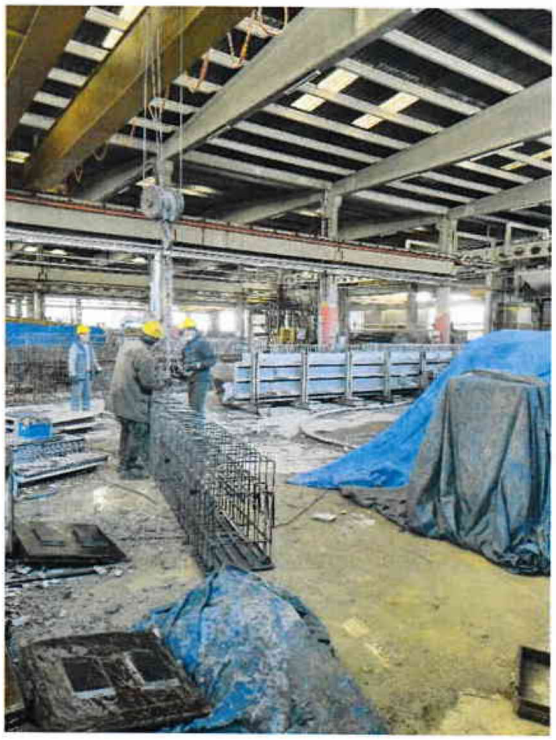
5. Visit to the KAMBETON Precast Construction company https://www.kambeton.com.tr/en

- presentation of the EcoSET (NAWA) Project details, and achieved goals so far,
- presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS),
- discussion on the issues of joint scientific research on precast concrete.



Description of results obtained during the implementation of the task:

Short-term:	• Consultations concerning scientific articles under development. • Discussion on new international project Strategic Partnerships Programme which was applicated to Polish National Agency for Academic.
Long-term:	• Initial scientific research was carried out and a program of further research was established on the effect of the addition of ground waste glass on the geopolymer concrete properties and the adhesion of concrete to reinforcing bar. Two more scientific articles are currently being prepared. • The scope of research that will be carried out by a PhD student from PBS during the next September visit to Adana has been established.

	• Discussion concerning the possibility of cooperation between Ismail Safa Ozler High School and Bydgoszcz`s High School in the ERASMUS program framework. • Encouraging students and employees from the Adana Alparslan Türkeş Science and Technology University to visit Bydgoszcz University of Science and Technology in the ERASMUS program framework.

03.04.2022
date, Beneficiary signature

14.04.22
date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

Report

Task:

X	Task 1. Organisation of mobilities

	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Muhammed Şamil Açar, PhD Student, MSc.

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology/Department of Animal Breeding and Nutrition

Implementation period:

15-21.05.2022

Description of actions implemented within the task:

- 15.05.2022 – travel to Samsun, Turkey
- 16-20.05.2022 – meetings in Ondokuz Mayis University, with the scientific team from the Faculty of Agriculture
- discussing the terms of the planned cooperation between the Units with Vice Dean Umut Sami Yamak, doc. PhD
- 21.05.2022 – travel to Warsaw, Poland

Description of results obtained during the implementation of the task:

Short-term:	• planning research internships for students of the Units • discussing cooperation in the field of research and teaching activities
Long-term:	• establishing cooperation with Ondokuz Mayis University • planning the signing of an agreement between the Units

29.05.2022

date, Beneficiary signature

2022 -08- 05

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

Report

Task:

X	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Mirosław Banaszak, Assistant Professor, PhD

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology/Department of Animal Breeding and Nutrition

Implementation period:

15-21.05.2022

Description of actions implemented within the task:

- 15.05.2022 – travel to Samsun, Turkey
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Short-term:	• planning research internships for students of the Units • discussing cooperation in the field of research and teaching activities
Long-term:	• establishing cooperation with Ondokuz Mayis University • planning the signing of an agreement between the Units

30.05.2022 Mirosław Banaszuk

date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

Report

Task:

X	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Jakub Biesek, Assistant Professor, PhD

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology/Department of Animal Breeding and Nutrition

Implementation period:

15-21.05.2022

Description of actions implemented within the task:

- 15.05.2022 – travel to Samsun, Turkey
- 16-20.05.2022 – meetings in Ondokuz Mayis University, with the scientific team from the Faculty of Agriculture
- discussing the terms of the planned cooperation between the Units with Vice Dean Umut Sami Yamak, doc. PhD
- 21.05.2022 – travel to Warsaw, Poland

Description of results obtained during the implementation of the task:

Short-term:	• planning research internships for students of the Units • discussing cooperation in the field of research and teaching activities
Long-term:	• establishing cooperation with Ondokuz Mayis University • planning the signing of an agreement between the Units

30.05.2022 Paulina Bisek

date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

Report

Task:

X	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Iwona Zaremba, assistant, M.Eng.

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology/Department of Animal Breeding and Nutrition

Implementation period:

15-21.05.2022

Description of actions implemented within the task:

- 15.05.2022 – travel to Samsun, Turkey
- 16-20.05.2022 – meetings in Ondokuz Mayis University, with the scientific team from the Faculty of Agriculture
- discussing the terms of the planned cooperation between the Units with Vice Dean Umut Sami Yamak, doc. PhD
- 21.05.2022 – travel to Warsaw, Poland

Description of results obtained during the implementation of the task:

Short-term:	• planning research internships for students of the Units • discussing cooperation in the field of research and teaching activities
Long-term:	• establishing cooperation with Ondokuz Mayis University • planning the signing of an agreement between the Units

30.05.2022

date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

BYDGOSZCZ UNIVERSITY
OF SCIENCE AND TECHNOLOGY

Report

Task:

X	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Michalina Jawor, PhD, assistant professor

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology/ Animal Biotechnology and Genetics Department

Implementation period:

7 days

Description of actions implemented within the task:

During the time spent in Brno the following meetings took place:

1. Meeting with Assoc. Prof. Ing. Petr Sláma, Ph.D., head of the Department of Animal Morphology, Physiology and Genetics from Faculty for AgriSciences.
   - getting to know the organizational structure of the Faculty for AgriSciences
   - visiting the departmental laboratories
   - discussions of the possible future scientific cooperation and manuscript preparations
2. Meeting with Assoc. Prof. Ing. Petr Sláma, Ph.D., prof. RNDr. Aleš Knoll (University professor), Ph.D. and doc. Ing. Aleš Pavlík, Ph.D. (Associate professor)

- visiting the departmental laboratories
- discussions of the possible future scientific cooperation and manuscript preparations

3. Meeting with science and didactical staff of the Department of Animal Morphology, Physiology and Genetics from Faculty for AgriSciences
   - presentation of the Bydgoszcz University of Science and Technology and the Faculty of Animal Breeding and Biology, as well as the main assumptions of the EcoSET project
   - discussions of the possible future scientific cooperation and manuscript preparations
   - exchange of contacts and invitations to the PBŚ as part of the EcoSET project lasting until September 2022
4. Meeting with Zootechnics students and conducting a lecture the field of biotechnological sciences

Description of results obtained during the implementation of the task:

Short-term:	• Visit at a Partner's University and presentation of EcoSET Project to different researchers.
Long-term:	• The potential scientific cooperation with Assoc. Prof. Ing. Petr Slóma, Ph.D. from Department of Animal Morphology, Physiology and Genetics from Faculty for Agrisciences • Strengthening the relationship with the EcoSET Partners • Possible future scientific internship in 3D culture or/and DNA sequencing

16.05.2022 Janusz Michalik
date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)
date, Project Manager signature

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Ewa Ziółkowska

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology

Implementation period:

25.04-09.06.2022

Description of actions implemented within the task:

During the time spent in Brno:

1. Meeting with Assoc. Prof. Ing. Petr Slama, PhD, head of the Department of Animal Morphology, Physiology and Genetics from Faculty for AgriSciences as well as a meeting with faculty staff.
   - Getting to know the organizational structure of the Faculty
   - Visiting the departmental laboratories
   - Discussions of the possible future scientific cooperation and manuscript preparations
2. Getting acquainted with the techniques used in the histological laboratory

- improving the staining technique, HE
- learning new techniques for staining biological material
- learning to perform histological preparations from nerves, brain, skin, lymph nodes, spleen, kidneys

3. Learning the rules of working with cell cultures
4. Meeting with the team and presentation about WHiBZ

Description of results obtained during the implementation of the task:

Short-term:	• Visit a Partner's University and presentation of EcoSET project to different researchers
Long-term:	• Scientific cooperation with Assoc. Prof. Ing. Petr Slama, PhD, head of the Department of Animal Morphology, Physiology and Genetics from Faculty for AgriSciences • Learning new techniques for staining biological material • Establishing cooperation with an employee of the histological laboratory. Inviting him to WHiBZ

06/30/2022 Ewa Lisikowska

date, Beneficiary signature

2022 -07- 1 9

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

BYDGOSZCZ UNIVERSITY
OF SCIENCE AND TECHNOLOGY

EcoSET
Science · Education · Technology

NAWA

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Magdalena Dobiszewska, Prof., PhD., Eng.

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Civil and Environmental Engineering and Architecture

Implementation period:

05.05-12.05.2022

Description of actions implemented within the task:

1. Meeting with prof. Dimitrios Goulias from University of Maryland, Glenn L. Martin Institute of Technology – A. James Clark School of Engineering, Department of Civil Engineering:
- presentation of the EcoSET Project details, and achieved goals so far,
- presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS),
- visit to the Materials Testing Laboratory,
- discussion of a research paper currently under development.

2. Meeting with Joseph Scholten, Associate Director, Office of International Affairs:

- presentation of the EcoSET Project details, and achieved goals so far,
- discussion concerning the possible mobility between students and researchers from UMD and PBŚ.

3. Meeting with Alba Torrents, Interim Department Head & Environmental faculty:

- presentation of the EcoSET Project details, and achieved goals so far,
- discussion concerning the possible mobility between students and researchers from UMD and PBŚ.

4. Meeting with prof. Chung Fu from the Structures Faculty:

- presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS),
- discussion concerning the possibility of common research on concrete bridges structures.

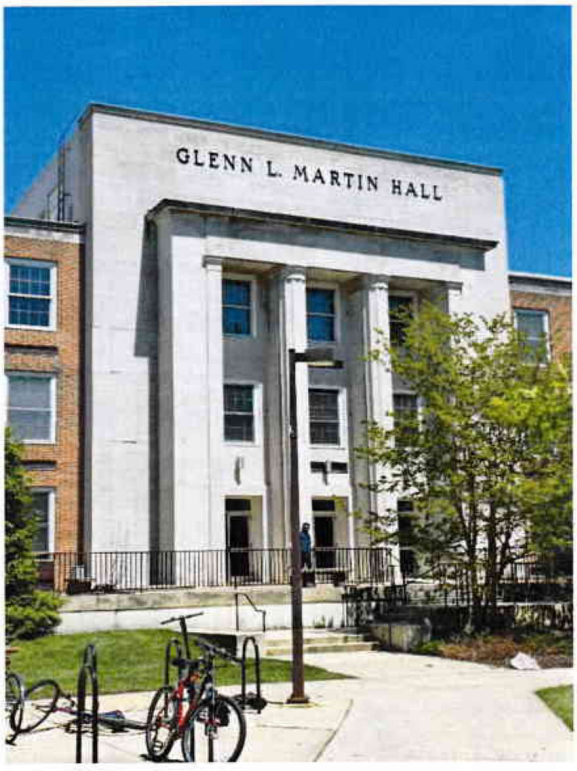
5. Meeting with prof. Paul Schonfeld from the Transportation Faculty:

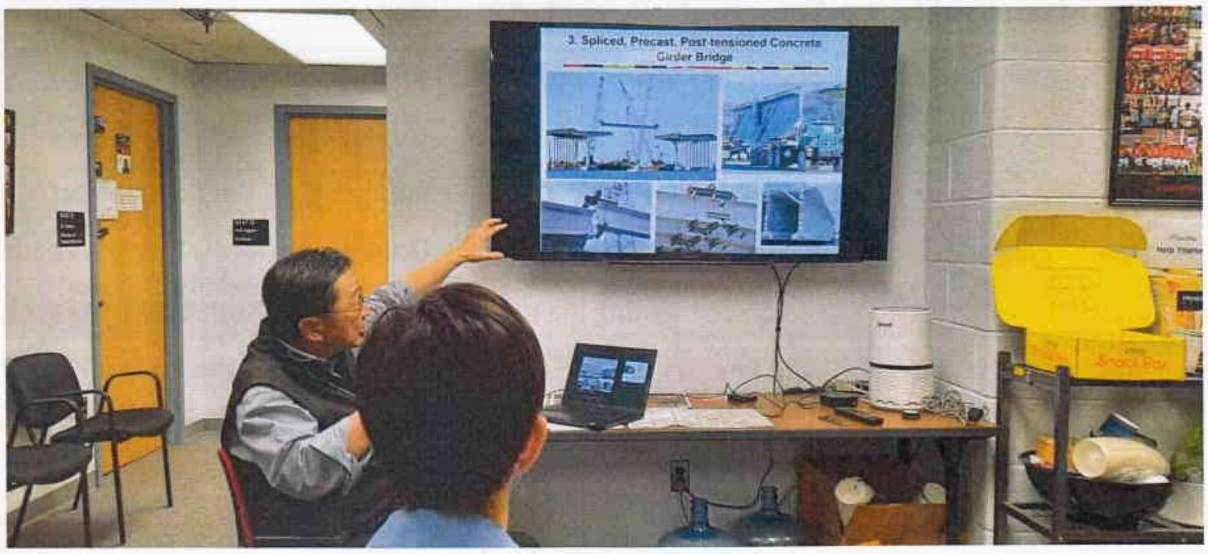
- presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS),
- discussion concerning the possibility of common research in the field of transportation engineering.

6. Meeting with Dr. Allison Reilly and Dr. Michelle Bensi from the Disaster Resilience Center:

- presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS),
- presentation of the scientific interests of the Disaster Resilience Center.


Welcome
UNIVERSITY OF
MARYLAND


GLENN L. MARTIN HALL


3. Spliced, Precast, Post-tensioned Concrete
Girder Bridge

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science · Education · Technology

NAWA

Description of results obtained during the implementation of the task:

Short-term:	• Consultations concerning scientific articles under development.
Long-term:	• Program of further research was established on the nondestructive test of concrete. Two more scientific articles are currently being prepared. • Discussion concerning the possibility of collaboration between Faculty of Civil and Environmental Engineering and Architecture PBS and Structure Faculty Department of Civil Engineering UMD concerning the precast concrete in bridge application.

16.05.2022 Dobowska

date, Beneficiary signature

date, Project Manager signature

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Izabela Kasprzyk MSc, Eng.

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Civil and Environmental Engineering and Architecture

Implementation period:

05.05-12.05.2022

Description of actions implemented within the task:

1. Meeting with prof. Dimitrios Goulias from University of Maryland, Glenn L. Martin Institute of Technology – A. James Clark School of Engineering, Department of Civil Engineering:
- presentation of the EcoSET Project details, and achieved goals so far,
- presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS),
- visit to the Materials Testing Laboratory,
- discussion of a research paper currently under development.

2. Meeting with Joseph Scholten, Associate Director, Office of International Affairs:

- presentation of the EcoSET Project details, and achieved goals so far,
- discussion concerning the possible mobility between students and researchers from UMD and PBŚ.

3. Meeting with Alba Torrents, Interim Department Head & Environmental faculty:

- presentation of the EcoSET Project details, and achieved goals so far,
- discussion concerning the possible mobility between students and researchers from UMD and PBŚ.

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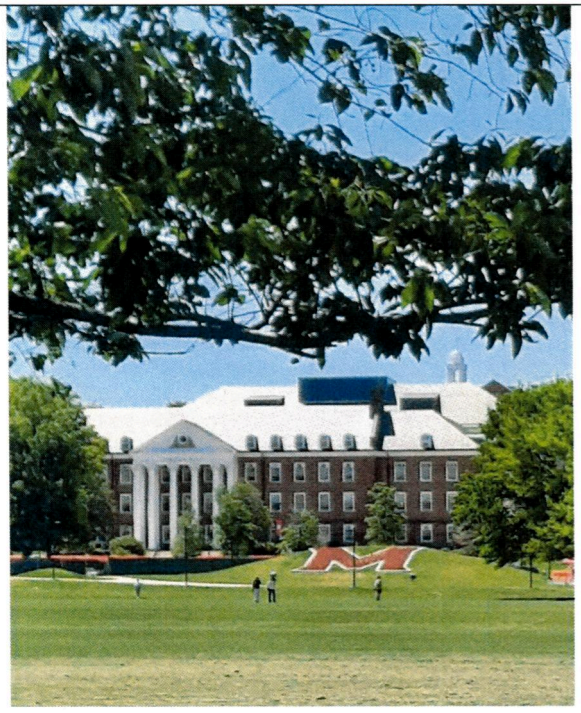
- presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS),
- discussion concerning the possibility of common research on concrete bridges structures.

5. Meeting with prof. Paul Schonfeld from the Transportation Faculty:

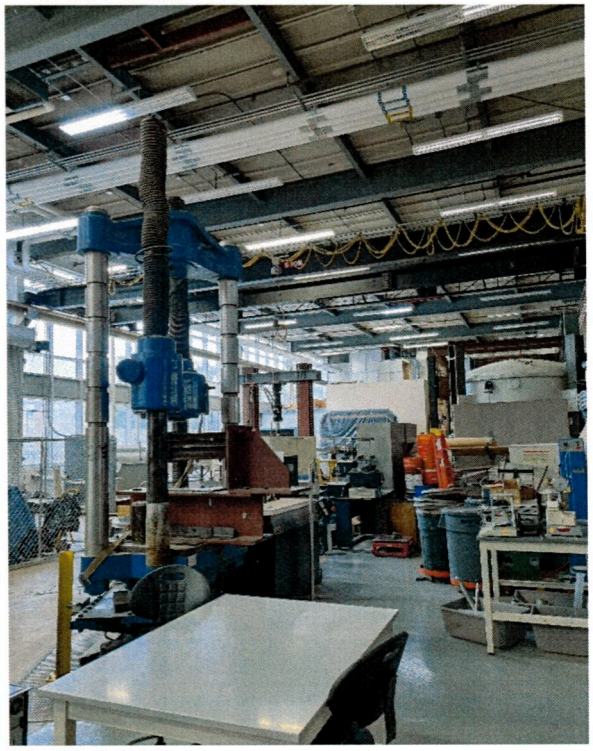
- presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS),
- discussion concerning the possibility of common research in the field of transportation engineering.

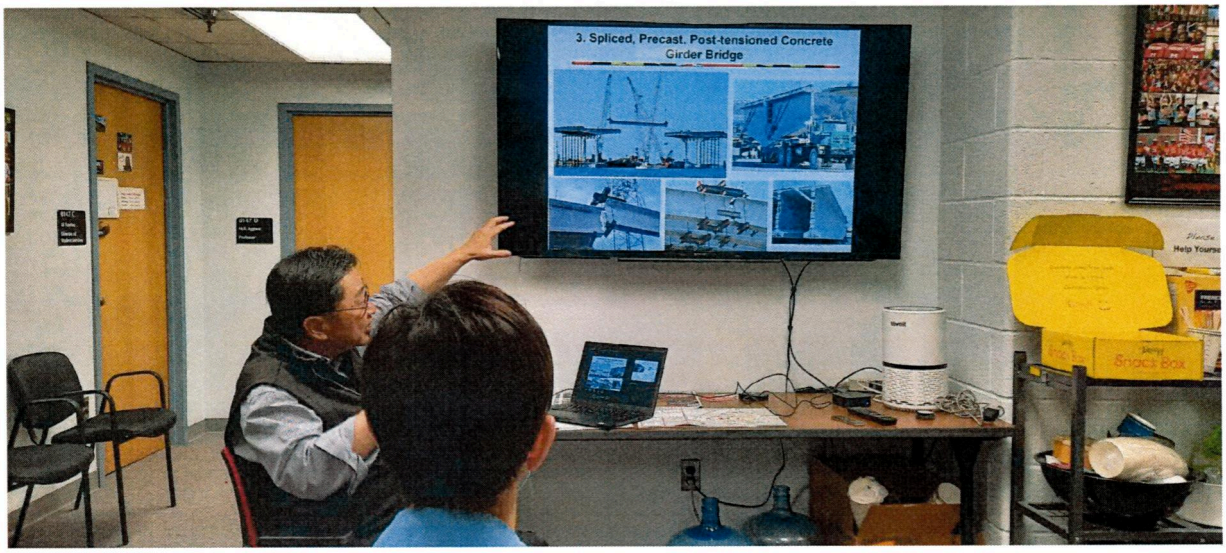
6. Meeting with Dr. Allison Reilly and Dr. Michelle Bensi from the Disaster Resilience Center:

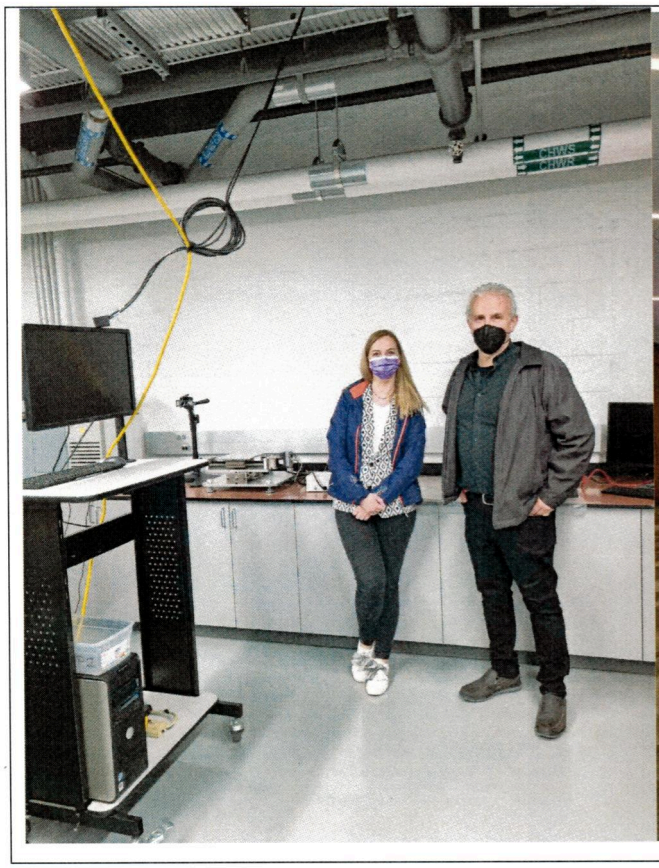
- presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS),
- presentation of the scientific interests of the Disaster Resilience Center.




Welcome
UNIVERSITY OF
MARYLAND
THE UNIVERSITY OF MARYLAND IS PROUD TO BE A SMOKE-FREE CAMPUS




3. Spliced, Precast, Post-tensioned Concrete Girder Bridge
Help Yourse
Snack Box



Description of results obtained during the implementation of the task:

Short-term:	• Consultations concerning scientific articles under development.
Long-term:	• Program of further research was established on the nondestructive test of concrete. One scientific article is currently being prepared. • Discussion concerning the possibility of collaboration between Faculty of Civil and Environmental Engineering and Architecture PBS and Structure Faculty Department of Civil Engineering UMD concerning the precast concrete in bridge application.

20.05.2022 Izabela Kaspryk

date, Beneficiary signature

Koordynator wydziałowy WBAiIŚ
Projektu EcoSET nr PPI/APM/2019/1/00003
dr hab. inż. Magdalena Dobiszewska
prof. PBŚ (7899)

20.05.22

date, Project Manager signature

Report

Task:

- [x] Task 1. Organisation of mobilities
- [x] Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Sebastian Wlaźlak, Eng.

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology/Department of Animal Breeding and Nutrition

Implementation period:

09-14.05.2022

Description of actions implemented within the task:

09.05 – travel to Campobasso

10-12.05 – International PhD Student Conference

- Oral presentation of scientific communication "Growth and meat features of chickens fed with halloysite"

Description of results obtained during the implementation of the task:

Short-term:	• Co-authorship of scientific communication "Growth performance and meat features of chickens fed with halloysite" in the book of abstracts
Long-term:	• International relations with the scientific team from Molise University, Campobasso, Italy

27.05.2022r. Sebastian Mlaczak

date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA NARODOWA AGENCJA WYMIANY AKADEMICKIEJ

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

mgr inż. Aleksandra Bełdowska

University name:

Doctoral School of Bydgoszcz University of Science and Technology, Poland

Faculty/Department name:

Faculty of Animal Breeding and Biology / Department of Animal Biotechnology and Genetics

Implementation period:

9-13.05.2022

Description of actions implemented within the task:

participation in a conference for young scientists and their supervisors at the University of Molise organized as part of the EcoSET NAWA project in Italy, oral presentation

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA NARODOWA AGENCJA WYMIANY AKADEMICKIEJ

Description of results obtained during the implementation of the task:

Short-term:	• presenting the obtained results (oral presentation)
Long-term:	• gaining experience in public speaking • improving the English language skills • gaining international acquaintances

30.05.2022 Bełdowska

date, Beneficiary signature

Specjalista/administracyjno-finansowy EcoSET
Projekt nr PPI/APM/2019/1/00003
dr inż. Magdalena Kolenda (7987)
6.06.2022

date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

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Report

Task:

- [x] Task 1. Organisation of mobilities
- [x] Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Agata Szczerba, PhD

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Department of Animal Biotechnology an Genetics

Implementation period:

9-14.05.2022

Description of actions implemented within the task:

Participation in a conference for young scientists ant their supervisors at the University of Molise organized as part of the EcoSET NAWA project in Italy – oral presentation

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Description of results obtained during the implementation of the task:

Short-term:	• I was presenting obtained result and I was co-author of the following scientific communications: "Methods of acquiring a larger number of chicken primordial germ cells"
Long-term:	• I was gaining experience in public speaking • I was improving the English language skills • I was gaining international acquaintances

27.05.2022 Szkerbo Agata

date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

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Report

Task:

- [x] Task 1. Organisation of mobilities
- [x] Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Jakub Biesek, Assistant Professor, PhD

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Department of Animal Breeding and Nutrition

Implementation period:

9 – 14.05.2022

Description of actions implemented within the task:

- co-authorship of a scientific report published in the book of abstracts:

"Growth and meat features of chickens fed with halloysite"

- conducting a scientific session during the conference (chairman of scientific session)

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EcoSET Science • Education • Technology

Description of results obtained during the implementation of the task:

Short-term:	- publishing a scientific report in a book of abstracts - International PhD Student Conference Research and Innovation in Agricultural, Livestock and Food Sciences, 9-12.05.2022 Campobasso, Italy - obtaining a letter of invitation to a 60-day internship of PhD student
Long-term:	- maintaining cooperation with the University of Molise, which will result in publications in the future

27.05.2022

date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

Report

Task:

X	Task 1. Organisation of mobilities

x	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Aleksandra Dunisławska, Associate Professor, PhD

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Department of Animal Biotechnology and Genetics

Implementation period:

9 – 14.05.2022

Description of actions implemented within the task:

- co-authorship of a scientific report published in the book of abstracts:

"Changes in hepatic gene expression and methylation upon *in ovo* modulation of intestinal microbiota with bioactive substances in chicken"

- conducting a scientific session during the conference (chairman of scientific session)

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EcoSET Science • Education • Technology

AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA NARODOWA AGENCJA WYMIANY AKADEMICKIEJ

Description of results obtained during the implementation of the task:

Short-term:	- publishing a scientific report in a book of abstracts - International PhD Student Conference Research and Innovation in Agricultural, Livestock and Food Sciences, 9-12.05.2022 Campobasso, Italy
Long-term:	- gaining international acquaintances

27.05.22 Dumiańska

date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

Report

Task:

	Task 1. Organisation of mobilities
X	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Katarzyna Stadnicka

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Animal Breeding and Biology

Implementation period:

9-13.05.2022

Description of actions implemented within the task:

Participating in Conference for PhD conference as the outcome of EcoSET cooperation with UNIMOL Campobasso

- Providing a lecture
- Supervising the participating PhD students
- Networking to establish prospective doctoral programs

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

Description of results obtained during the implementation of the task:

Short-term:	• Disseminating results obtained in the ongoing research projects • Introducing PhD students to the new PhD students network • Finalizing the plan for mobility of the PhD student Mengjun Wu to PBS
Long-term:	• Initialized concepts to develop new joint doctoral programs between the partner universitites. • Plan for the common research activities under the NCN projects established

16.05.2022 Katarzyna Sokołowska

date, Beneficiary signature

date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

Report

Task:

	Task 1. Organisation of mobilities
X	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Marek Bednarczyk, prof dr hab

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Department of Animal Biotechnology and Genetics

Implementation period: 09.05.22 to 12.05.22

Description of actions implemented within the task:

I was a president of Scientific Committee of the International PhD Student Conference "Research and Innovation in Agricultural, Livestock and Food Sciences", at University of Molise in Campobasso. At the same time, I was the chairman of the scientific session: Welfare, Biotechnology and Quality of Animal Production.

Description of results obtained during the implementation of the task:

Short-term:	• I was a co-author of the following scientific communications: "Mechanisms underlying the function of PGCs in intergenerational and transgenerational epigenetic effects of in ovo chicken embryo stimulation" – presented by PhD student Mariam Ibrahim; • "Methods of acquiring a larger number of chicken primordial germ cells" – presented by Agata Szczerba.
Long-term:	• I participated in a meeting of the authorities of the Department of Agricultural, Environmental and Food Sciences, where further cooperation was discussed, including the program of planned scientific stays in June; June-July. It concerned my stay at the University of Molise and PhD Mengjun Wu's stay at Bydgoszcz University of Science and Technology.

16.05.22
date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)
16.05.22
date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

Report

Task:

Mariam Ibrahim

☑ Task 1. Organisation of mobilities

☑ Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Mariam Ibrahim, PhD student

University name:

PBS Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology - Department of Animal Biotechnology and Genetics

Implementation period:

9th May → 13th May 2022

Description of actions implemented within the task:

Participation in the International PhD student Conference: "Research and Innovation in Agricultural, Livestock and Food Sciences" at Campobasso, Italy - May 9-13, 2022
My presentation was entitled: "Mechanisms underlying the function of PGCs in intergenerational and transgenerational epigenetic effects of in ovo chicken embryo stimulation".

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science + Education + Technology

AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA NARODOWA AGENCJA WYMIANY AKADEMICKIEJ

Description of results obtained during the implementation of the task:

Short-term:	• dissemination of our projects concepts / results. • discussing the methodology implemented and the corresponding results. • knowing about others' topics and research work in similar and different desciplines. • meeting other PhD students of different backgrounds (connecting with people/speakers/experts in my field)
Long-term:	• knowing future scientific trends • formulating new hypotheses to be addressed, based on the conferred acquired knowledge • expanding the research objectives • sharing the gained information/resources with colleagues.

18/05/2022 Mariam Ibrahim

date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science+Education+Technology

AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA

Report

Task:

- [x] Task 1. Organisation of mobilities
- [x] Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Niloofar Akhavan, phD Student politechnika Bydgoska faculty of animal breeding & biology.

University name:

politechnika Bydgoska

Faculty/Department name:

animal breeding & biology

Implementation period:

09/05/22 till 13/05/22

Description of actions implemented within the task:

According to the international phD conference in university of Molise in Compobasso Italy, I had a presentation with the title of: ovobiome: In vitro study on the new probiotics, prebiotics and synbiotics formulation to in ovo modulate the intestine health and organism performance.

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

Description of results obtained during the implementation of the task:

Short-term:	• Integration with new area subjects in our field. • Integration with new scientist and international researchers during the processes.
Long-term:	• talking about new field and new methods to start different projects in my field. • changing opinion about new instruments and new devices in this area for new analysis. • Contributing in the future conferances.

Mikołaj Akhavan 20105122

date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

Report

Task:

X	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

MSc Eng. Agata Bukaluk

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Design

Implementation period:

21-28/05/2022

Description of actions implemented within the task:

During the stay, carried out together with Dr Magdalena Kolenda from the Faculty of Animal Breeding and Biology, a series of meetings were held at the Faculty of Fine Arts and the Faculty of Agriculture.

The course of the visit to the Faculty of Agriculture:

- meeting with Prof. Dr Hasan ÖNDER (Head of the Section Biometry and Genetics) - the person coordinating the EcoSET project on the side of Ondokuz Mayıs University (OMU),
- meeting with Prof. Dr. Musa SARICA (Head of the Section Animal Husbandry and Breeding),
- meeting with Prof. Dr. Mehmet BOZOGLU - Erasmus + Coordinator,

- meeting with Assoc. Prof. Dr. Samet Hasan ABACI.

During the meetings, the results achieved so far under the EcoSET project were discussed. Moreover, the discussion also concerned organizational and substantive issues related to the 6. International Congress on Domestic Animal Breeding Genetics and Husbandry ICABGEH 2022, of which the Bydgoszcz University of Science and Technology will be a co-organizer. The possibilities of employee and student exchanges under the Erasmus + programme were discussed. OMU employees were also invited to participate in the closing conference summarizing the project.

The course of the visit to the Faculty of Fine Arts:

- meetings at the Department of Industrial Design with Dr. Öğretim Üyesi Erkan LİKOS and Dr. Öğretim Üyesi Deniz EKMEKÇİOĞLU,

- meetings in the Department of Visual Communication Design: GRAPHIC DEPARTMENT: Prof. Dr. Ali TOMAK (Head of department) and ANIMATION DEPARTMENT: Dr Öğretim Üyesi Özlem AYVAZ TUNÇ,
- meeting at the Department of Graphic Design with Prof. Dr Ali SEYLAN,
- meeting at the Department of Painting with Dr. Öğretim Üyesi Engin GÜNEY,

- meeting at the Department of Ceramic - Glass with Lecturer Asst. Seyit Taha BAYDAR.

During the visit, the Dean (Prof. Dr Ali SEYLAN) and the Vice-Deans familiarized themselves with the main assumptions of the EcoSET project, the newly created Faculty of Design was presented and the activities that were planned at the Bydgoszcz University of Science and Technology were discussed, i.e. the International Wicker Workshop, in which OMU employees and students were to participate and exhibition of works by Dr Öğretim Üyesi Engin GÜNEY. In addition, in connection with the opening of a new field at the Faculty of Design called visual communication, talks on potential future cooperation were initiated. The visit was also an opportunity to get to see individual studios and classes and visit the exhibition which was the aftermath of the International Glass Workshop run by Lecturer Asst. Seyit Taha BAYDAR. The participation of OMU employees in the exhibition accompanying the conference closing the EcoSET project was also discussed. The agreement on scientific and educational cooperation was also discussed, which is being processed and will most likely be handed over to the Bydgoszcz University of Science and Technology during the visit of representatives of the Turkish university on May 30 - June 3, 2022.

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA NARODOWA AGENCJA WYMIANY AKADEMICKIEJ

ONDOKUZ MAYIS UNIVERSITY
FACULTY OF FINE ARTS

Certificate of Participation

Msc. Eng. Agata Bukaluk

to certify her attendance to the study visit to the Faculty of Fine Arts from 23th to 27 th May 2022. Samsun/TÜRKİYE

Prof. Dr. Ali SEYLAN
Faculty of Fine Arts
Dean

Description of results obtained during the implementation of the task:

Short-term:	• The upcoming events carried out by both universities were discussed, i.e. the visits of representatives of the OMU in PBS on May 30 - June 3 2022 (the International Wicker Workshop and art exhibition), and the participation in the closing conference on September 12-14, 2022 was also mentioned. The agreement on scientific and educational cooperation was also discussed.
Long-term:	• The talks allowed us to outline the framework for future cooperation between universities. The cooperation will continue after the completion of the EcoSET project, mainly as part of the Erasmus + Program, whose Coordinator at the Faculty of Fine Arts is Dr Öğretim Üyesi Erkan LİKOS (person also participating in EcoSET International Wicker Workshop).

06. 06. 2022
date, Beneficiary signature

Specjalista administracyjno-finansowy EcoSET
Projekt nr PPI/APM/2019/1/00003
dr inż. Magdalena Kolenda (7987)
10.06.2022
date, Project Manager signature

Report

Task:

X	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

PhD Magdalena Kolenda

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology

Implementation period:

21-28/05/2022

Description of actions implemented within the task:

The mobility was carried out together with Agata Bukaluk from the Faculty of Design. During the stay, we participated in a series of meetings on the Faculty of Agriculture and the Faculty of Fine Arts.

The course of the visit to the Faculty of Agriculture:

- meeting with Prof. Dr Hasan ÖNDER (Head of the Section Biometry and Genetics) - the person coordinating the EcoSET project on the side of Ondokuz Mayıs University, the supervisor of my previous online 3-months internship. During the meeting we:

- discussed the progress of the project,

- discussed the progress of the organization of the international congress (International Congress on Domestic Animal Breeding Genetics and Husbandry-2022 (ICABGEH-2022), https://www.icabgeh.com/) organized by the OMU and PBŚ (I am a member of the executive committee of the congress)
- worked on joint articles (in preparation and those currently being revised after reviews),
- discussed the next stages of the EcoSET project - including the closing conference organized at PBŚ in September 2022 (prof. Onder is on the scientific committee of the conference),
- discussed further cooperation.

- meeting with Prof. Dr Musa SARICA (Head of the Section Animal Husbandry and Breeding, discussing the possibility of collaboration on future scientific articles),

- meeting with Prof. Dr Mehmet BOZOGLU - Erasmus + Coordinator,

- we discussed the possibilities of the Erasmus + program,
- presented the WHiBZ and OMU didactic and scientific offer.

- meeting with Assoc. Prof. Dr Samet Hasan ABACI (discussed possible collaborations on current and future research papers).

During these meetings, we discussed the results achieved so far under the EcoSET project, as well as the organizational and substantive issues related to the 6. International Congress on Domestic Animal Breeding Genetics and Husbandry ICABGEH 2022, of which the Bydgoszcz University of Science and Technology will be a co-organizer. Also, we presented the possibility of employees and students participating in the exchange under Erasmus +. OMU employees were also invited to participate in the closing conference summarizing the EcoSET project.

The course of the visit to the Faculty of Fine Arts:

- meetings at the Department of Industrial Design with Dr. Öğretim Üyesi Erkan LİKOS and Dr. Öğretim Üyesi Deniz EKMEKÇİOĞLU,
- meetings in the Department of Visual Communication Design: GRAPHICS DEPARTMENT: Prof. Dr Ali TOMAK (Head of the department) and ANIMATION DEPARTMENT: Dr Öğretim Üyesi Özlem AYVAZ TUNÇ,
- meeting at the Department of Graphic Design with Prof. Dr Ali SEYLAN,
- meeting at the Department of Painting with Dr. Öğretim Üyesi Engin GÜNEY,

- meeting at the Department of Ceramic - Glass with Lecturer Asst. Seyit Taha BAYARD.

During the visit, the Dean (Prof. Dr Ali SEYLAN) and the Vice-Deans have presented the main assumptions of the EcoSET project, the newly created Faculty of Design was presented and the next activities to be undertaken at the Bydgoszcz University of Science and Technology were discussed, i.e. the International Wicker Workshop, in which OMU employees and exhibition of works by Dr Öğretim Üyesi Engin GÜNEY. We visited also several studios and the exhibition which was the aftermath of the International Glass Workshop run by Lecturer Asst. Seyit Taha BAYARD. The participation of OMU employees in the exhibition accompanying the conference closing the EcoSET project was also discussed. The agreement on scientific and educational cooperation was also discussed, which is being processed and will most likely be handed over to the Bydgoszcz University of Science and Technology during the visit of representatives of the Turkish university on May 30 - June 3, 2022.

Description of results obtained during the implementation of the task:

Short-term:	• The topic of the upcoming events carried out by both universities were discussed, i.e. the visits of representatives of the OMU on May 30 - June 3, 2022, and the participation in the closing conference on September 12-14, 2022. Also, the process of preparation for the ICABGEH 2022 Congress (to be held in October) was discussed. • The agreement on scientific and educational cooperation was also discussed.
Long-term:	• The talks allowed to outline the framework for future cooperation between universities. The cooperation will continue after the completion of the EcoSET project, mainly as part of the Erasmus + Program.

13.06.2022 Kolenda
date, Beneficiary signature

Specjalista administracyjno-finansowy EcoSET
Projekt nr PPI/APM/2019/1/00003
Kolenda
dr inż. Magdalena Kolenda (7987)
13.06.2022
date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA

Report

Task:

[X] Task 1. Organisation of mobilities

[ ] Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Muhammed Şamil AÇAR, MSc.

University name:

Bydgoszcz University Of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology; Doctoral School of Bydgoszcz University of Science and Technology

Implementation period:

1st June -31st July, 2022

Description of actions implemented within the task:

Analysis and comparison of fatty acid and cholesterol contents of cage and litter egg yolks collected from a poultry farm. During the internship, I participated in laboratory tests in terms of the determination of fatty acids and cholesterol in egg yolks from hens kept in various housing systems. The implementation of the research internship is one of the points that should be completed while studying at the PBŚ Doctoral School. During the internship, I learned how to prepare samples for research, and also participated in the determination of the aforementioned chemical components of poultry raw materials. Joint research was aimed at developing results that will be the basis for the publication of a joint publication with international co-authorship, which is in line with the implementation of the University's strategy.

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Description of results obtained during the implementation of the task:

Short-term:	• acquiring new laboratory skills in the field of chemical analysis of animal raw materials, including fatty acids and cholesterol • international cooperation with representatives of the Molise University in Campobasso, as well as PhD students from other countries
Long-term:	• Publishing the results of the research with Prof. Giuseppe Maiorano in a scientific article (planned for 2023). - results are being finalized and developed • It is expected that the visit will be an incentive for the staff and students of the University of Molise to visit the University of Science and Technology, Bydgoszcz. • Contributing to the achievement of both Universities' goals towards internationalization.

07.08.2022

date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science + Education + Technology

AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Marek Bednarczyk, prof.

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology / Department of Animal Biotechnology and Genetics

Implementation period:

01.06 to 30.06.22

Description of actions implemented within the task:

During the time spent in Campobasso the following activities took place:
- An experiment on the long--term effect of an innovative synbiotic administered in ovo on the 12th day of embryonic development on the embryonic and post-embryonic development of chicks and on the chicken microbiota status was finished.
- Meeting with the authorities of the Department of Agricultural, Environmental and Food Sciences in order to plan further cooperation.
- Participation in the project consortium: Sustainable poultry production chain: biocontrol measures, new dietary approaches and novel packaging strategies.
- Preparation of joint publication.

Description of results obtained during the implementation of the task:

Short-term:	- The cooperation with prof. Cinzia Randazzo from Laboratory of Microbiology Dipartimento di Agricoltura, Alimentazione e Ambiente , University of Catania has been established, - Publication of the paper: Influence of synbiotic and mode of its administration on broiler chicken performance and meat quality.
Long-term:	- Strengthening the relationship with the EcoSET Partners, - The internship of Mr Mengjun Wu at University of Science and Technology in 2022/23 has been planned, - realization of new research projects.

15.07.22
date, Beneficiary signature

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2018/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)
15.07.22
date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

Report

Task:

- [x] Task 1. Organisation of mobilities
- [ ] Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Sanling Zuo, PhD Student

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology

Implementation period:

15st July 2022 — 15st August 2022

Description of actions implemented within the task:

To participate the internship in the qualification enhancement programme for the staff of higher educational establishments entitled as "Introduction to next-generation sequencing data analysis" and organized by the Aarhus University in Denmark.

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Description of results obtained during the implementation of the task:

Short-term:	• Learn about bioinformatics analysis tools for the molecular analysis results. • Learn to build statistical models of data using the Linux and R. • Preparing for bioinformatics analysis of MS data.
Long-term:	• For metabolomic analysis, use bioinformatics tool, R language, to build statistical models of bioinformatic from mass spectrometry data. • For genome data preprocessing and analysis, including the Fast QC, fastp, Alignment and Methylation extractor by Linux in the futher programme.

16 September, 2022 Sanling Zuo
date, Beneficiary signature

date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

Report

Task:

x	Task 1. Organisation of mobilities

	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Mr. Narayanan Santhanam

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology

Implementation period:

July 17, 2022 – August 16, 2022

Description of actions implemented within the task:

The mobility's main aim was to complete the internship titled "Next-generation sequencing data analysis of reduced-representation bisulfite sequencing" organized by Center for Qualitative Genetics and Genomics department in Aarhus University". This internship's task involved 1) introduction DNA methylation, 2) Theory of sequencing platform and bio-informatics, 3) self-study assignment related to RRBS sequencing, 4) Using linux system to download various bioinformatic tools, creating pipelines for analysis, generating data for RRBS sequence results. 5) Introduction to R language, installing specific tools in R studio and generating results. 6) Attending full day lecture

on "Genome mapping" at QGG department, 7) Participation of QGG department meeting, interaction with various group leaders/post docs in QGG department and site-visit of new QGG institute building, 8) Oral presentation entitled "Next-generation sequencing data analysis of reduced-representation bisulfite sequencing" to a faculty member of QGG.

Description of results obtained during the implementation of the task:

Short-term:	• Gained Knowledge of using Linux for genomic data/RRBS sequencing analysis and learnt the basics of installing custom program in R studio using R language scripts. • Creation of custom pipeline for RRBS sequencing and implementation of same pipeline for epigenomic research in Linux environment • Generated result for RRBS sequencing in context of methylated cytosine compared to unmethylated cytosine. • Analyzed the result and presented in form of user readable graphs • Edited a draft manuscript
Long-term:	• Transfer of skills learnt in this internship to my current doctoral project where I can independently analyze RRBS data or other genomic data. • Building and implementing custom pipelines for multi-omics or epigenomic study throughout my study and beyond. • Long term collaboration and cooperation with faculty of QGG (affiliation of second supervisor) and faculty of Animal Breeding and Biology, PBS school in Bydgoszcz (affiliation of main supervisor) leading to successful completion of my doctoral project with joint publication and further collaboration in future research works.

19/08/22

date, Beneficiary signature

date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

Report

Task:

X	Task 1. Organisation of mobilities

	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Michalina Jawor, PhD, assistant professor

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

Faculty of Animal Breeding and Biology/ Animal Biotechnology and Genetics Department

Implementation period:

21.08.2022-03.09.2022 (14 days)

Description of actions implemented within the task:

During the time spent in Brno the following meetings took place:

1. Meetings with Assoc. Prof. Ing. Petr Sláma, Ph.D., head of the Department of Animal Morphology, Physiology and Genetics from Faculty for AgriSciences.
   - visiting the Laboratory of Animal Immunology and Biotechnology
   - working with 3D culture
   - discussions of the possible future scientific cooperation and manuscript preparations
2. Meeting with Ph.D., prof. RNDr. Aleš Knoll (University professor) and prof. Ing. Tomáš Urban, Ph.D.

• visiting Laboratory of Animal Genetics • working with sequencing • discussions of the possible future scientific cooperation and manuscript preparations

Description of results obtained during the implementation of the task:

Short-term:	• Visit at a Partner's University and presentation of EcoSET Project to learn how to start and maintain 3D culture.
Long-term:	• The potential scientific cooperation with Assoc. Prof. Ing. Petr Sláma, Ph.D. from Department of Animal Morphology, Physiology and Genetics from Faculty for Agrisciences • Strengthening the relationship with the EcoSET Partner • Possible future scientific internship in 3D culture or/and DNA sequencing

19.03.2022 Joanna Michalska
date, Beneficiary signature

4/13/4
date, Project Manager signature

POLITECHNIKA BYDGOSKA
im. Jana i Jędrzeja Śniadeckich

Faculty of Civil and Environmental Engineering and Architecture

Faculty of Animal Breeding and Biology

Faculty of Design

Visits at Bydgoszcz University of Science and Technology

EcoSET
Science + Education + Technology

Report

Task:

X	Task 1. Organisation of scientific visits for UTP employees and students and Partner representatives
	Task 2. Subsidising UTP employees' participation in international conferences combined with presentation of achievements in form of a lecture or a poster

Participant's first and last name, academic degree and title:

GIUSEPPE MAIORANO

University name:

University of Molise, Italy

Faculty/Department name:

Agricultural, Environmental and Food Sciences

Implementation period:

From 23.01.2020 to 26.01.2020

Description of actions implemented within the task:

The action has planned was lays the groundwork for implementation of the possible analysis, in term of data to collect, on 36 *Carassius* fish samples (as representative samples) of an experimental project with the aim to evaluate the effect of diets supplemented with different bioactive substances on fish growth and meat quality.

EcoSET
Science + Education + Technology

Uniwersytet Technologiczno-Przyrodniczy im. Jana i Jędrzeja Śniadeckich w Bydgoszczy

AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA NARODOWA AGENCJA WYMIANY AKADEMICKIEJ

Description of results obtained during the implementation of the task:

Short-term:	a) Measurements physicochemical on 36 fish samples (pH and color coordinates - lightness, redness, yellowness) b) Preparation of fish samples for lyophilization to analyse for cholesterol content and fatty acid composition). c) Participation at a meeting to organize a future activity. d) Discussion on the publication of a joint article.
Long-term:	a) The possibility of PhD students internship at UTP.

30.01.2020

date, Beneficiary signature

date, Project Manager signature

Report

Task:

X	Task 1. Organisation of scientific visits for UTP employees and students and Partner representatives
	Task 2. Subsidising UTP employees' participation in international conferences combined with presentation of achievements in form of a lecture or a poster

Participant's first and last name, academic degree and title:

MENGJUN WU

University name:

University of Molise, Italy

Faculty/Department name:

Agricultural, Environmental and Food Sciences

Implementation period:

From 23.01.2020 to 26.01.2020

Description of actions implemented within the task:

The action has been planned to participate with my supervisor Prof. Giuseppe Maiorano to collect data regarding 36 *Carassius* fish samples (as representative samples) of an experimental project with the aim to evaluate the effect of diets supplemented with different bioactive substances on fish growth and meat quality.

Description of results obtained during the implementation of the task:

Short-term:	a) Physicochemical measurements on 36 fish samples (pH and color coordinates - lightness, redness, yellowness). b) Preparation of fish samples for lyophilization to analyse for cholesterol content and fatty acid composition). c) Participation at a meeting with my supervisor, Prof. Giuseppe Maiorano, and Prof. Marek Bednarczyk to organize my future mobility for an internship in the UTP University of Science and Technology.
Long-term:	The possibility for me to spend 6 months in the UTP University of Science and Technology for a period of internship.

30.01.2020

Mengjun Wu

date, Beneficiary signature

date, Project Manager signature

Report

Task:

X	Task 1. Organisation of scientific visits for UTP employees and students and Partner representatives
	Task 2. Subsidising UTP employees' participation in international conferences combined with presentation of achievements in form of a lecture or a poster

Participant's first and last name, academic degree and title:

Jorge Gonçalves, Phd in Civil Engineering, Assistant Professor

University name:

University of Beira Interior

Faculty/Department name:

Faculty of Engineering, Department of Civil Engineering and Architecture

Implementation period:

February 2020, 24th to 28th

Description of actions implemented within the task:

1. Meeting with UTP University of Science and Technology (Bydgoszcz) partners: Prof. Jan Kempa, Prof. Jacek Chmielewski, Prof. Andrzej Zalewski, Damian Iwanowicz (PhD), Radosław Klusek (PhD), Damian Wisniewski (MSc), Marcin Karwasz (PhD).

2. Participation in Faculty International Seminar UTP - UBI. Topics: Urban Mobility, Road Safety and Heritage Management using GIS.

EcoSET

Ecology, Science, Education and Technology.

Ways to Internationalise the University of Science and Technology in Areas of Research and Education

Faculty International Seminar
Bydgoszcz
February the 24-28th, 2020

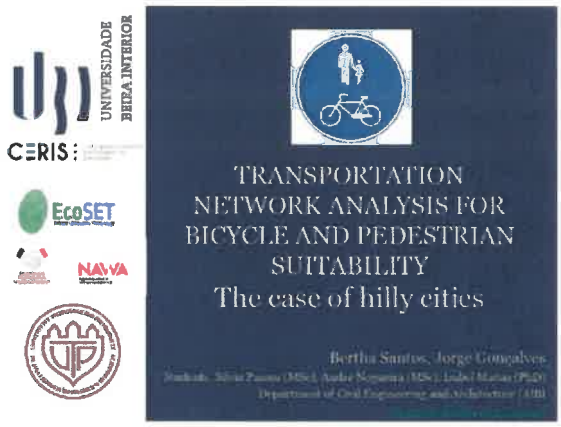
Steering committee

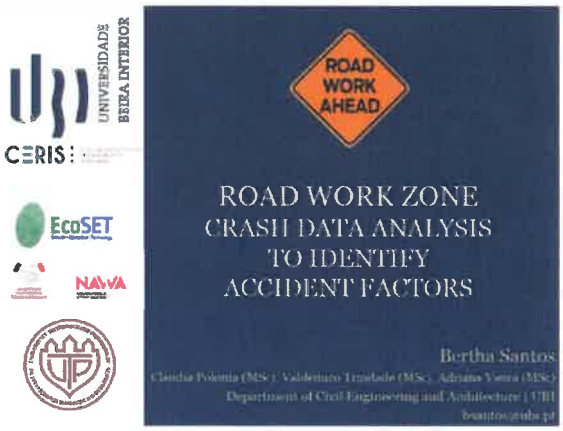
Jan Kempa, Professor and Chair, Faculty of Civil and Environmental Engineering and Architecture, UTP Bydgoszcz
Magdalena Dobiszewska, Professor and Chair, Civil Engineering Discipline, UTP Bydgoszcz
Andrzej Zalewski, Professor, UTP Bydgoszcz
Bertha B. Santos, Professor, University of Beira Interior
Jorge Gonçalves, Professor, University of Beira Interior
Jacek Chmielewski, Ph.D. and Chair Department of Traffic Engineering and Transport, UTP Bydgoszcz

Organising committee

Grzegorz Bebyn, Ph.D.
Damina Iwanowicz, Ph.D.
Marcin Karwasz, Ph.D.
Radosław Klusek, Ph.D.
Agata Bukaluk
Paulina Olenkowicz
Zofia Rudnicka
Damian Wiśniewski

Presentations:





3. Visit a partner's university.

Description of results obtained during the implementation of the task:

Short-term:	1. Presentation of research works and identification of common reaserch areas aiming the joint development of scientific papers to be submited to international reference journals. 2. Fist paper framework definition (urban mobility topic).
Long-term:	1. Cooperation in Urban Mobility, Road Safety, Sustainable Transport Planning and Heritage Managment research fields, including municipality partnerships (Covilhã, Bydgoszcz and Torun). 2. The possibility of preparing common research projects. 3. Participation in the closing conference with common papers.

Koordynator Wydziałowy WBAiIŚ
Projektu EcoSET nr PPI/APM/2019/1/00003

dr hab. inż. Magdalena Dobiszewska, prof. uczelni

date, Beneficiary signature

date, Project Manager signature

13.03.2020

Report

Task:

X	Task 1. Organisation of scientific visits for UTP employees and students and Partner representatives
	Task 2. Subsidising UTP employees' participation in international conferences combined with presentation of achievements in form of a lecture or a poster

Participant's first and last name, academic degree and title:

Bertha Maria Batista dos Santos, Phd in Civil Engineering, Assistant Professor

University name:

University of Beira Interior

Faculty/Department name:

Faculty of Engineering, Department of Civil Engineering and Architecture

Implementation period:

February 2020, 24th to 28th

Description of actions implemented within the task:

1. Meeting with UTP University of Science and Technology (Bydgoszcz) partners: Prof. Jan Kempa, Prof. Jacek Chmielewski, Prof. Andrzej Zalewski, Damian Iwanowicz (PhD), Radosław Klusek (PhD), Damian Wisniewski (MSc), Marcin Karwasz (PhD).

2. Participation in Faculty International Seminar UTP - UBI. Topics: Urban Mobility, Road Safety and Heritage Management using GIS.

EcoSET
Ecology, Science, Education and Technology.

Ways to Internationalise the University of Science and Technology in Areas of Research and Education

Faculty International Seminar
Bydgoszcz
February the 24-28th, 2020

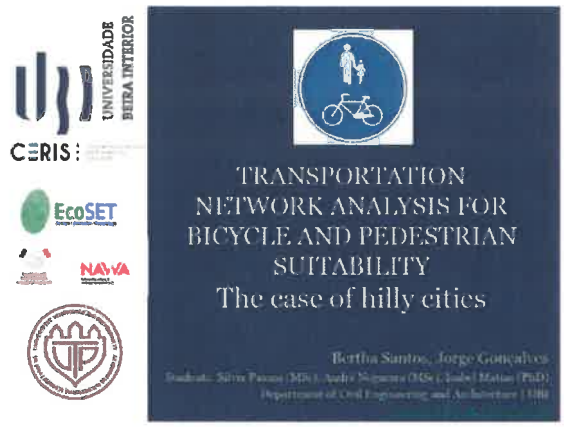
Steering committee

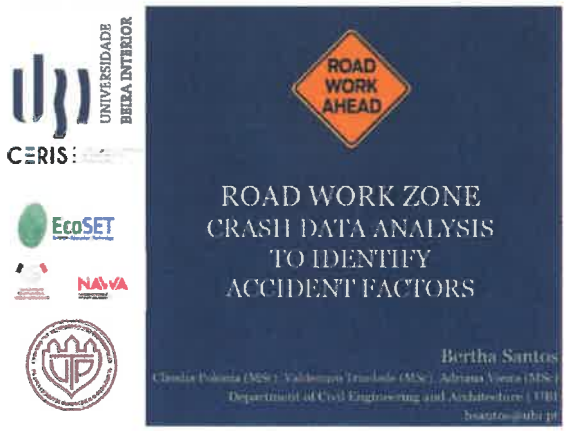
Jan Kempa, Professor and Chair, Faculty of Civil and Environmental Engineering and Architecture, UTP Bydgoszcz
Magdalena Dobiszewska, Professor and Chair, Civil Engineering Discipline, UTP Bydgoszcz
Andrzej Zalewski, Professor, UTP Bydgoszcz
Bertha B. Santos, Professor, University of Beira Interior
Jorge Gonçalves, Professor, University of Beira Interior
Jacek Chmielewski, Ph.D. and Chair Department of Traffic Engineering and Transport, UTP Bydgoszcz

Organising committee

Grzegorz Bebyn, Ph.D.
Damina Iwanowicz, Ph.D.
Marcin Karwasz, Ph.D.
Radosław Klusek, Ph.D.
Agata Bukaluk
Paulina Olenkowicz
Zofia Rudnicka
Damian Wiśniewski

Presentations:





3. Visit a partner's university.

Description of results obtained during the implementation of the task:

Short-term:	1. Presentation of research works and identification of common reaserch areas aiming the joint development of scientific papers to be submited to international reference journals. 2. Fist paper framework definition (urban mobility topic).
Long-term:	1. Cooperation in Urban Mobility, Road Safety, Sustainable Transport Planning and Heritage Managment research fields, including municipality partnerships (Covilhã, Bydgoszcz and Torun). 2. The possibility of preparing common research projects. 3. Participation in the closing conference with common papers.

Koordynator Wydziałowy WBAiIŚ
Projekt EcoSET nr PPI/APM/2019/1/00003

Bertha Maria Batista dos Santos

date, Beneficiary signature

dr hab. inż. Magdalena Dobiszewska, prof. uczelni

date, Project Manager signature

13.03.2020

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET

NAWA

Report

Task:

X	Task 1. Organisation of mobilities

	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Mengjun Wu MSc (PhD student)

University name:

University of Molise

Faculty/Department name:

Environmental and Food Sciences

Implementation period:

between the 20th of August and 20th of November 2021

Description of actions implemented within the task:

1/ contribution to study protocols for targeted and non-targeted metabolomic analysis in frame of the OVOBIOM project (Polish National Science Centre grant no. 2019/35/B/NZ9/03186)

2/ preparation of a draft manuscript on metabolomic approach to understand functions of prebiotics and prebiotics in gut cells' environment

3/ analysis of the proteomic results and contribution to the manuscript 'Proteomic signatures in chicken oviduct cells after delivery of a human exogene'

4 participating in a 2-day MonoGutHealth workshop on Monogastric animals nutrition, which took place within H2020-MSCA-ITN EU project on 28-29th of September 2021 in Bydgoszcz

5/ monthly participation and providing an oral presentation in frame of departmental seminar series

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EcoSET

NAWA

Description of results obtained during the implementation of the task:

Short-term:	• Finalized study protocol: preparation of samples from probiotic-prebiotic culture for the global metabolomics • a draft review manuscript on the application of metabolomics in chicken microbiome research delivered; to be submitted by Feb 2022 • analysis of the proteomic results and contribution to the manuscript 'Proteomic signatures in chicken oviduct cells after delivery of a human exogene'; the article to be submitted by Feb 2022
Long-term:	• increased internationalization of the in ovo working group at the Faculty of Animal Genetics and Biotechnology dpt, PBS (The host supervisor K. Stadnicka, PhD is to become the 2nd co-promoter of Mr Wu's thesis) • The PhD candidates from UNIMOL (Mr Mengjun Wu) and PBS (Ms Sanling Zuo) have the 2 common peer-reviewed articles and 1 book chapter to be published in 2022 • The internship of Mr Mengjun Wu has an impact on the internationalization of the OVOBIOM project supervised by the PBS worker, K. Stadnicka PhD (to be reported in 2024)

13.01.2022 Mengjun Wu

date, Beneficiary signature

(Mengjun Wu, MSc)

14.01.22

date, Project Manager signature

(Prof. Marek Bednarczyk)

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

Report

Task:

X	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Hasan ÖNDER, Prof. Dr.

University name:

Ondokuz Mayıs University

Faculty/Department name:

Faculty of Agriculture / Department of Animal Science

Implementation period:

16-30/10/2021

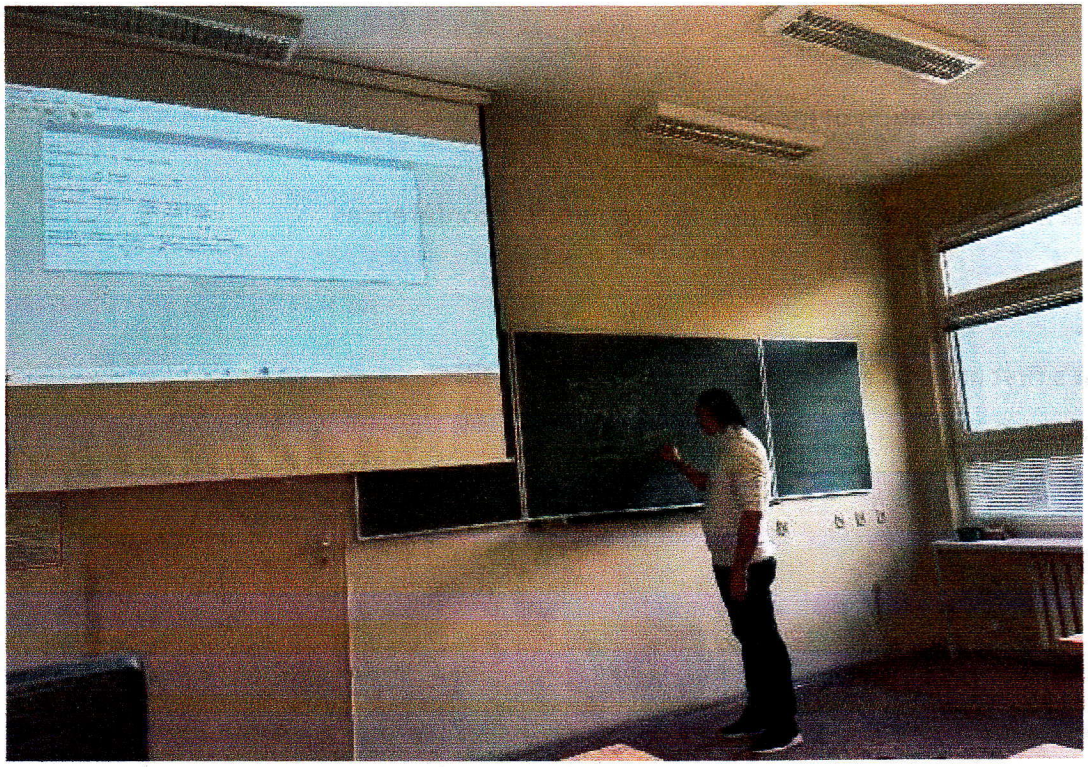
Description of actions implemented within the task:

During the tirne spent in Bydgosczc the fo!lowing meetings took place:

1. Meeting with **Dr hab. Inż. Dariusz Piwczyński** from Department of Animal Biotechnology and Genetic, Faculty of Animal Breeding and Biology, Bydgoszcz University of Science and Technology.

- Presentation of the Ondokuz Mayıs University Agricultural Faculty Department of Animal Science, as well as the main assumptions of the EcoSET project.
- Getting the knowledge of organizational structure of Faculty of Animal Breeding and Biology
- Manuscript preparation for "Comparison of repeatable and random regression models for genetic parameter estimation for horse speed on Arabian horses".

- Manuscript preparation for "Farmers' risk perception on climate change: Transhumance vs semi-intensive sheep production systems".
- Giving PhD lesson about principal component analysis using R software.



- Discussions of the possible future scientific cooperation and manuscript preparations.

2. Meeting with **Dr hab. Inż. Beata Sitkowska** from Department of Animal Biotechnology and Genetic, Faculty of Animal Breeding and Biology, Bydgoszcz University of Science and Technology.

- Data preparation for genomic prediction of Polish Holstein population.
- Manuscript preparation for genomic prediction of Polish Holstein population.
- Discussions on the new manuscript on Polish Merino sheep.
- Discussions of the possible future scientific cooperation and manuscript preparations.

3. Meeting with **Dr Inż. Magdalena Kolenda** from Department of Animal Biotechnology and Genetic, Faculty of Animal Breeding and Biology, Bydgoszcz University of Science and Technology.

- Interest in EcoSET (NAWA) project framework.
- Discussion on the project details.
- Discussions of the possible future scientific cooperation and manuscript preparations.
- Visiting the departmental laboratories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4. Meeting with **Dr Inż. Miroslaw Banaszak** from Department of Animal Biotechnology and Genetic, Faculty of Animal Breeding and Biology, Bydgoszcz University of Science and Technology.

- Discussion on geese researches.
- Discussions of the possible future scientific cooperation.

5. Other activities:

- Discovering the campus and laboratories.
- Invitation to Turkey to Ondokuz Mayıs University.
- Making agreement to co-organize the international congress on domestic animal breeding, genetics and husbandry (ICABGEH) in Samsun, Turkey in 2022.

Description of results obtained during the implementation of the task:

Short-term:	• Consultations with Dr hab. Inż. Dariusz Piwczyński, Dr hab. Inż. Beata Sitkowska and Dr Inż. Magdalena Kolenda concerning scientific articles under development.
Long-term:	• Discovering the fields of potential future works. • Discussion on joint projects issues can be supported by both NAVA and TUBITAK. • Co-organizing congress by Bydgoszcz University of Science and Technology and Ondokuz Mayıs University.

10.11.2021

date, Beneficiary signature

2021 -11- 1 5

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science · Education · Technology

Report

Task:

X	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Burcu KURNAZ, MSc.

University name:

Ondokuz Mayıs University

Faculty/Department name:

Faculty of Agriculture / Department of Animal Science

Implementation period:

16-30/10/2021

Description of actions implemented within the task:

During the tirne spent in Bydgosczc the following meetings took place:

1. Meeting with **Dr hab. Inż. Dariusz Piwczyński** from Department of Animal Biotechnology and Genetic, Faculty of Animal Breeding and Biology, Bydgoszcz University of Science and Technology.

- Presentation of the Ondokuz Mayıs University Agricultural Faculty Department of Animal Science, as well as the main assumptions of the EcoSET project.
- Getting the knowledge of organizational structure of Faculty of Animal Breeding and Biology
- Assisting PhD lesson about principal component analysis using R software.

- Discussions of the possible future scientific cooperation and manuscript preparations.

2. Meeting with **Dr hab. Inż. Beata Sitkowska** from Department of Animal Biotechnology and Genetic, Faculty of Animal Breeding and Biology, Bydgoszcz University of Science and Technology.

- Writing a script to data preparation for genomic prediction of Polish Holstein population.
- Manuscript preparation for genomic prediction of Polish Holstein population.
- Discussions of the possible future scientific cooperation and manuscript preparations.

3. Meeting with **Dr Inż. Magdalena Kolenda** from Department of Animal Biotechnology and Genetic, Faculty of Animal Breeding and Biology, Bydgoszcz University of Science and Technology.

- Interest in EcoSET (NAWA) project framework.
- Discussion on the project details.
- Discussions of the possible future scientific cooperation and manuscript preparations.
- Visiting the departmental laboratories

4. Meeting with **Dr Inż. Miroslaw Banaszak** from Department of Animal Biotechnology and Genetic, Faculty of Animal Breeding and Biology, Bydgoszcz University of Science and Technology. • Discussion on geese researches. • Discussions of the possible future scientific cooperation. **5.** Other activities: • Discovering the campus and laboratories. • Invitation to Turkey to Ondokuz Mayıs University.

Description of results obtained during the implementation of the task:

Short-term:	• Consultations with Dr hab. Inż. Dariusz Piwczyński, Dr hab. Inż. Beata Sitkowska and Dr Inż. Magdalena Kolenda concerning scientific articles under development.
Long-term:	• Discovering the fields of potential future works. • Deciding to potential fields on manuscript writing in the future.

10.11.2021

date, Beneficiary signature

2021 -11- 15

Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree, and title:

Bertha Santos, PhD in Civil Engineering, Assistant Professor

University name:

University of Beira Interior

Faculty/Department name:

Faculty of Engineering, Department of Civil Engineering and Architecture

Implementation period:

October 2021, 25th to 29th

Description of actions implemented within the task:

Faculty International Seminar, Bydgoszcz, October the 25-29th, 2021

Participant institutions: Bydgoszcz University of Science and Technology (Bydgoszcz UST) and University of Beira Interior (UBI)

Activities and actions:

1. Meeting 1: Meeting with Bydgoszcz UST representatives.

2. Meeting 2: Current status of developed collaboration.

Joint articles developed for WMCAUS2021 conference:

Mobility in transportation surveys.

Paulina Olenkowicz-Trempała, Jacek Chmielewski, Jan Kempa, Aleksander Sobota, Bertha Santos and Jorge Gonçalves.

Transportation network spatial analysis to measure pedestrian suitability. The case of hilly cities.

André Nogueira, Bertha Santos, Jorge Gonçalves, Jan Kempa and Jacek Chmielewski.

Calming traffic in historic city centers - A case study.

Andrzej Zalewski, Jacek Chmielewski, Jan Kempa, Bertha Santos and Jorge Gonçalves.

3. Meeting 3: Current status of ongoin collaboration.

Project proposals:

Programme for cooperation in science between Portugal and Poland (FCT/NAWA) – application status: FCT's and NAWA's elegibility – in analysis.

Common articles for submission to scientific journals indexed to Scopus / Web of Science – analysis and discussion:

Drivers view on the influence of atmospheric conditions on road traffic safety.

The influence of weather conditions on road traffic safety.

4. Meeting 4: UBI research presentation for future collaborations.

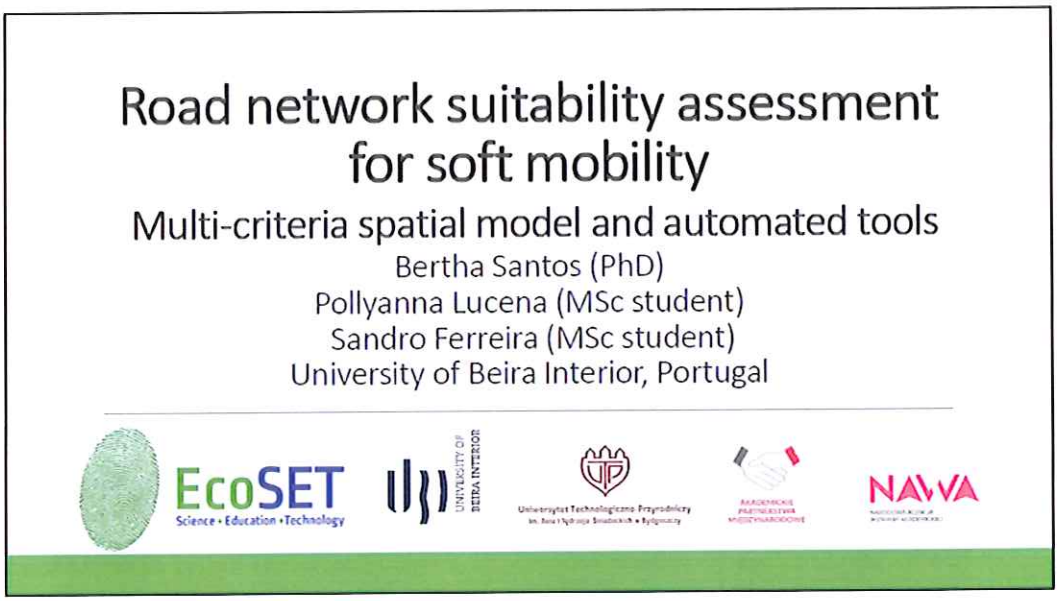
Road network suitability assessment for soft mobility: multi-criteria model and automated tools.

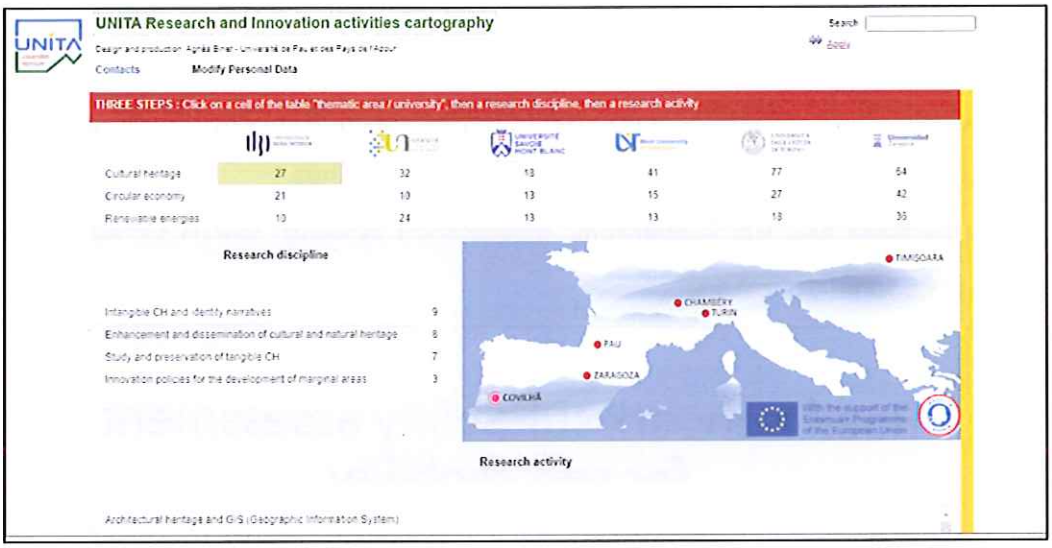
Bertha Santos, Pollyanna Lucena and Sandro Ferreira.

Application of unmanned aerial systems in road pavement condition assessment.

Bertha Santos, Pedro G. Almeida, Ianca Feitosa and Pedro Gavinhos.

Architectural heritage and GIS (Geographic Information System). UNITA Universitas Montium. Bertha Santos and Jorge Gonçalves.





5. Final Meeting: Planning future collaborations – Brainstorming

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Description of results obtained during the implementation of the task:

Short-term:	• Both research team presented their ongoing and recent research works and have analyzed and discussed two articles for submission to scientific journals indexed to Scopus / Web of Science. • Preparation of articles to be submitted to ICEUBI 2022 and WMCAUS 2022.
Long-term:	• Collaboration areas: urban transport policies, sustainable mobility and road safety. • Collaboration with other Bydgoszcz UST scientific areas: Department of Architecture and Urban Planning – Architectural Heritage. • The possibility of preparing common research projects and articles. • Participation in the EcoSET project closing conference.

Assinado por : **BERTHA MARIA BATISTA DOS SANTOS**
Num. de Identificação: BI128812583
Data: 2021.11.07 20:41:37+00'00'

CARTÃO DE CIDADÃO

date, Beneficiary signature

Koordynator wydziałowy WBAiIŚ
Projektu EcoSET nr PPI/APM/2019/1/00003
dr hab. inż. Magdalena Dobiszewska
prof. PBŚ (7899)

16.11.21

date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

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Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree, and title:

Jorge Gonçalves, Phd in Civil Engineering, Assistant Professor

University name:

University of Beira Interior

Faculty/Department name:

Faculty of Engineering, Department of Civil Engineering and Architecture

Implementation period:

October 2021, 25th to 29th

Description of actions implemented within the task:

Organization of a **Faculty International Seminar** with presentations about collaborations between University of Beira Interior (UBI) and Bydgoszcz University of Science and Technology (BUST):

Meeting with BUST representatives

Joint articles developed for the WMCAUS2021 conference:

Mobility in Transportation Surveys: Paulina Olenkowicz-Trempała, Jacek Chmielewski, Jan Kempa, Aleksander Sobota, Bertha Santos, Jorge Gonçalves

Low-Cost Geographic Information System for Municipal Road Signs Management in Depopulated and Low-Density Areas: Olga Gonçalves, Jorge Gonçalves, Jacek Chmielewski, Paulina Olenkowicz-Trempała

Transportation Network Spatial Analysis to Measure Pedestrian Suitability. The Case of Hilly Cities:

André Nogueira, Bertha Santos, Jorge Gonçalves, Jan Kempa, Jacek Chmielewski

Calming Traffic in Historic City Centers - A Case Study: Andrzej Zalewski, Jacek Chmielewski, Jan Kempa, Bertha Santos, Jorge Gonçalves

Status of ongoing collaboration.

Project proposals: **Program for cooperation in science between Portugal and Poland (FCT/NAWA)** – application status: FCT's and NAWA's eligibility – in analysis.

Common articles for submission to scientific journals indexed to Scopus / Web of Science – analysis and discussion:

Drivers view on the influence of atmospheric conditions on road traffic safety.

The influence of weather conditions on road traffic safety.

Presentation of ongoing research for future possible collaborations:

Public transport accessibility index to large trip attractors in urban areas: case study – UBI: Jorge Gonçalves, Rafael Santos

BUST team:

Concept of the LAST MILE of freight on the city road network for the Bydgoszcz Logistics Hub: M. Karwasz

Application of data from dynamic vehicle mass measurement stations on the example of experiences in the USA: J. Chmielewski

Description of results obtained during the implementation of the task:

Short-term:	• Both research team presented their ongoing and recent research works and have defined two papers for an international reference journal: - *Drivers view on the influence of atmospheric conditions on road traffic safety* - *The influence of weather conditions on road traffic safety* • Preparation of articles to be submitted to ICEUBI 2022 and WMCAUS 2022.
Long-term:	• Collaboration areas, with potential exchange of acquired knowhow, were identified, mainly for municipal transport policies and operations. • Possible scientific collaboration on transport policies/systems and GIS heritage management systems applied to real case scenarios were identified. • Collaboration with other BUST scientific areas were identified, mainly with the Architecture Department and the Mechanics Department. • Participation in the EcoSET project closing conference.

Assinado por: **JORGE HUMBERTO GASPAR GONÇALVES**
Num. de Identificação: 10318303
Data: 2021.11.08 09:50:40+00'00'

CARTÃO DE CIDADÃO

date, Beneficiary signature

Koordynator wydziałowy WBAiIŚ
Projekt EcoSET nr PPI/APM/2019/1/00003
dr hab. inż. Magdalena Dobiszewska
prof. PBŚ (7899)

16.11.21

date, Project Manager signature

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

Report

Task:

X	Task 1. Organisation of mobilities

	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Tobias Kettrukat (PhD student)

University name:

Aarhus University

Faculty/Department name:

Department of Food Science

Implementation period:

03.04.2022 – 30.07.2022

Description of actions implemented within the task:

Financed by EcoSET project, I visited Politechnika Bydgoska and experience another research environment and work more closely with my co-supervisor dr hab. inż. Ewa Grochowska as well as other resident researchers and PhD students of the Faculty of Animal Breeding and Biology. Exchanges with other research groups abroad are an integral component of the curriculum at the graduate school at Aarhus University and with the support of Politechnika Bydgoska and EcoSET project I was able to complete this part in Poland. It included participation in the work of different labs, including animal experiments, sampling, wet lab, and dry lab. The aim for my PhD thesis was to obtain skills in genetic and phenotypic sexing of newly hatched chickens. Furthermore, I had the

chance to participate in experiments on *in-ovo* injection, took samples for histology and qPCR and performed different histological techniques. As part of the international collaboration, I was taught and supported by several researchers of the faculty and a first draft for a manuscript that could be published or become part of another publication was drawn up.

Description of results obtained during the implementation of the task:

Short-term:	• Gained more experience in sampling from animals and processing of samples • Experience in writing publications (own and possible contribution) • Skills gained in histology and qPCR • Skills gained in genetic and phenotypic sexing • Skills and knowledge gained in in-ovo injection of eggs
Long-term:	• Networking with other scientists • Development of further cooperation • Exchange of knowledge and protocols for implementation at my department in Aarhus

30.07.22

date, Beneficiary signature

date, Project Manager signature

Report

Task:

- [x] Task 1. Organisation of mobilities
- [ ] Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Associate Professor Engin Güney

University name:

Ondokuz Mayıs University

Faculty/Department name:

Fine Art Faculty

Implementation period:

Five Days

Description of actions implemented within the task:

First day (30 May 2022), After preparing the place to work, the implementation started.

Eighteen of the 21 pieces of work were made and brought,

3 canvases were started and completed in the workshop.

The work was completed on Wednesday.

On Thursday morning, the works were placed on the designated wall.

The exhibition opening was held at 12:30 on the same day.

The works were handed over for permanent display on the university walls.

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EcoSET

NAWA

Description of results obtained during the implementation of the task:

Short-term:	Since the action painting performance is an individual practice and the number of students who wondered and watched during the work was low, I felt a little lonely for 3 days. Although the workshop area was in a central location, students and staff had a reserved attitude. I think it has to do with human typology. I was amazed by the opportunities provided by the university and the value it gives. All the staff working at the university loving their job is the behavior that I am longing for. Having an established system is a situation that can be observed clearly. The hardware wealth of the university shows the power of the system. The levels of the academicians, the attitudes of the staff and the desire of the students to learn reflect the spirit of education. It has been an amazing and pleasant experience for me.
Long-term:	To be honest, I compared the education system in my country with the opportunities offered in the teaching process. It was a little demoralized. Because I have seen better that we lack factors that increase the motivation of people who want to work. I saw an example of how organizations that care about sustainability, contribute to production, and know the importance of science, art and technology, contribute to the development of the country. I will always explain your country's education policy, your people's attitude towards universal values, and the organization of your university.

17.06.2022 Dr. Engin GUNEY

date, Beneficiary signature

Specjalista administracyjno-finansowy EcoSET
Projekt nr PPI/APM/2019/1/00003
dr inż. Magdaleña Kolenda (7987)
21.06.22

date, Project Manager signature

Report

Task:

x	Task 1. Organisation of mobilities International Wicker Workshop
x	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Erkan LIKOS, Assist. Prof. Dr.

University name:

Ondokuz Mayıs University-TÜRKİYE

Faculty/Department name:

Fine Arts Faculty / Industrial Design

Implementation period:

30 May 2022 – 3 June 2022

Description of actions implemented within the task:

First day (30 May 2022) of International Wicker Workshop we visited International Relations Office, Aleksandra Mielczarek - Erasmus Coordinator. After, we met wicker team and had brief meeting about Wicker Project Dr.Piotr Tolozcko. Also, We were getting ready Painting Work with Dr. Engin Guney.



During our visit at Bydgoszcz University of Science and Technology we visited faculty academic staff with Dean of Politechnika Bydgoszcz Prof. Romuald Fajtanowski and Faculty Erasmus Coordinator Dr. Teija Gumilar to introduce Turkish team and telling about Ondokuz Mayıs University, Fine Arts Fakulty, Industrial Design Department. After that we visited some of faculty academic personal as MSc Anita Szymankiewicz and MSc Joanna Muszyńska at Department of Design and talk about their classes.


MSc Weronika Poręba (Department of Design) and group of her students visited painting workshop of Dr. Engin Guney. We explain about his works and the idea about paintings. Also, Prof. Aleksandra Siminska and Msc. Eng. Agata Bukaluk visited Dr. Engin Guney in his workshop area. After her visit, we visited her studio at the Department of Interior Design to know about her works. Msc. Eng. Agata Bukaluk was all the time with us during our visits. Then, we visied Dr. Julia Wleklińska from Department of Interior Design.

Dr. Engin Guney opened his exhibition including his 21 paintings. . During the exhibition we met Rector Prof. Marek Adamski and he gave us certificates.

I had a meeting with MSc Ariel Śliwiński from Department of Interior Design and talk about furniture design and collaboration between both universities.

During a week, I attended wicker workshop and worked there with colleagues and students.

At the end of the week,I also visited "Somnium" exhibition by Prof. Katarzyna Tretyn.in Torun.

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET

NAWA

Description of results obtained during the implementation of the task:

Short-term:	• It was interesting to meet two different department, and their colleagues and students. We share our thinking and experiences. We figured out the Erasmus + activity. As I am the faculty Erasmus + coordinator, I will send one of my student to study at least a semester in Design department.
Long-term:	• We were agreed to work in future project together. Also, We might use Erasmus + not only students, also colleagues. It would be beneficiary to change some of students in future. Our faculty would be happy to host your students and colleagues in Samsun-Türkiye.

14.06.2022

date, Beneficiary signature

Dr Erkan Likos

Specjalista administracyjno-finansowy EcoSET
Projekt nr PPI/APM/2019/1/00003
dr inż. Magdalena Kolenda (7987)
21.06.22

date, Project Manager signature

Report

Task:

✓	Task 1. Organisation of mobilities
✓	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Beyza NUHOĞLU, bachelor degree, 2nd year

University name:

Ondokuz Mayıs University

Faculty/Department name:

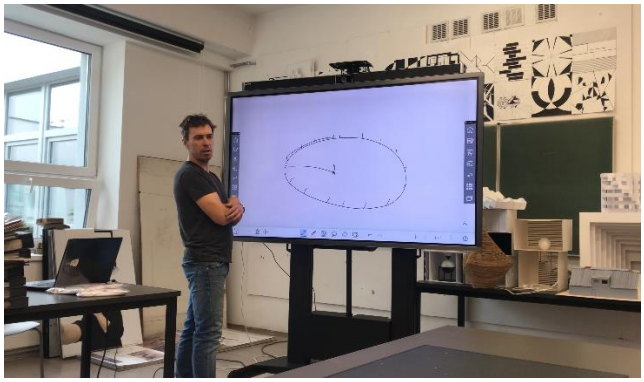
Fine Art Faculty / Industrial Design

Implementation period:

28 May - 4 June

Description of actions implemented within the task:

Our first day: Meeting at Dr. Piotr Tolozcko and teams, he presented us about wicker workshop. We have distributed tasks according to the project stages. Before starting the workshop, they showed us their design studios and classes. Dr. Piotr Tolozcko introduced us to the tools we would use and showed me how to use them with the material. Then, we went to the workshop area and received information about how the product that will be made will be suitable for the form. We learned how to tie wicker wood and the methods that need to be done when forming it, and we have formed the skeleton of the form.



Our second day: We strengthened the structure, the skeleton of which we have created. At the end of the day, the form we wanted to make seemed more complete.

Our third day: We have now started installing support rods in the interior of the structure. While continuing the workshop my teachers and I attended meeting about university agreement and make acquainted with Dr. Hab. Romuald Fajtanowski and Dr. Teija Gumilar. Dr. Teija Gumilar showed to us department of design classrooms and studios.

Our fourth day: We finished knitting the outer part of the product, and that have tried to complete the last steps to export the general form. We participated in the exhibition of Dr. Engin Güney and Prof. dr. Markowi Adamskiemu gave us a certificate of participation in this workshop.

Our fifth day: We worked on the form until noon. Our wicker braids now seemed to be in a large structure, clamped together. After working on the product until the time of the trip, we said goodbye to everyone and set off for the airport.

BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

EcoSET Science • Education • Technology

AKADEMICKIE PARTNERSTWA MIĘDZYNARODOWE

NAWA NARODOWA AGENCJA WYMIANY AKADEMICKIEJ

Description of results obtained during the implementation of the task:

Short-term:	• Thanks to this workshop, the new culture, experiences, friendships, and new perspectives that I have known and experienced have influenced me in an extremely positive way. Mastering the whole process with the contributions of my teammates and the wicker weave, which I tried for the first time in my life, gave me new experiences.
Long-term:	• After learning the details about wicker knitting, I got new approaches. I tried to adapt my life to these situations by gaining new perspectives. Throughout the whole process, I have tried to open new doors for myself by positioning the achievements I have achieved in my life.

Specjalista administracyjno-finansowy EcoSET
Projekt nr PPI/APM/2019/1/00003
dr inż. Magdalena Kolenda (7987)
21.06.22

date, Beneficiary signature

date, Project Manager signature

Report

Task:

+	Task 1. Organisation of mobilities
+	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Berkan SUNAYOL, Bachelor Degree, Student

University name:

Ondokuz Mayıs University

Faculty/Department name:

Fine Arts Faculty/ Industrial Design

Implementation period:

1 Week

Description of actions implemented within the task:

- Our first day, Dr. Piotr Tolozcko gave us a brief presentation in class about what to do and how to do it for 5 days. After discussing what we will do after the presentation, we lowered approximately 5 tons of wicker wood to the area that where we will practice, we drove piles to bend and shape the wicker trees and formed circle sections that form the main skeleton structure. By connecting the sections together, we obtained a horizontal cylinder view. We strengthened the structure using tie wires to connect the cylindrical structures that make up the sections.



- On the 2nd day, we placed pruned wicker trees between the sections created and tied them with tie wires. We tried to strengthen the structure by tying the wicker branches more tightly.



- On the 3rd day, we repeated the work that we had done on the 2nd day until 10:00 am in the morning. During our break, our advisor Dr. Erkan Likos called us, we walked around many departments with other authorized Professors of the University, got detailed information about the university and asked questions. As a result of these informations, I gained different perspectives which broadened my horizon. After the trip, we returned to the field and continued our work.



- On the 4th day, we finished the part of tying with external tie wires. It was time to place wicker trees on these wires and obtain a natural form. To achieve this look, we tried to get a natural look by pinching wicker trees both inside and out.



- On the last day of our workshop, the structure began to form at an advanced level, our form became definite and solid. We continued to squeeze the wicker branches onto the structure until 11:00 am in the morning. When it was 11:00 am, it was time that we have returned to our country, we said goodbye to everyone and set off for our return.



BYDGOSZCZ UNIVERSITY OF SCIENCE AND TECHNOLOGY

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Description of results obtained during the implementation of the task:

Short-term:	• I learned many different things throughout the trip and the work we did such as culture, workflow, discipline, education and method. These elements were the most important factors that I learned in a short period of time in my life. Thanks to these factors, I gained different perspectives, not only gained perspective, but also learned how to change perspectives in a different way when necessary. I learned how effective the concept of culture is and what differences it reveals in the world.
Long-term:	• When I returned to my country, I started to realize the practices that the job added to me in the long term. Being exposed to a different culture for a week made me question how things work about our own culture. Through this questioning, I discovered that the world is a very big place for me, that there are many factors that shape people's behavior throughout their life and that life works differently in other places. I realized that the world is not only about the life in our country.

Specjalista administracyjno-finansowy EcoSET
Projekt nr PPI/APM/2019/1/00003
dr inż. Magdalena Kolenda (7987)
21.06.22

date, Beneficiary signature

20.06.2022

date, Project Manager signature

AReport

Task:

✓	Task 1. Organisation of mobilities
✓	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Aybuke SARİOGLU, bachelor degree, 2nd year student

University name:

Ondokuz Mayis University

Faculty/Department name:

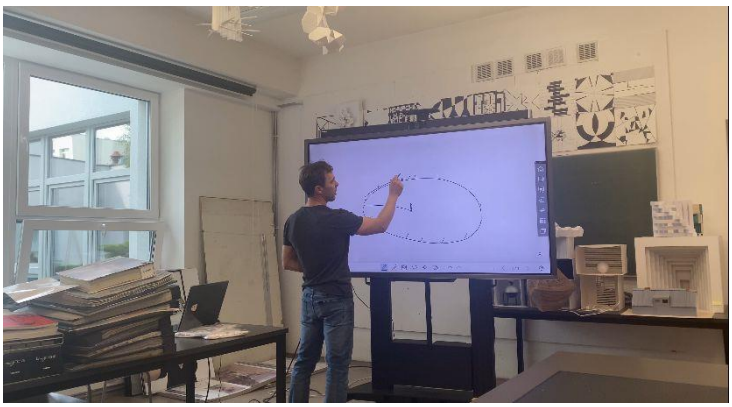
Fine Arts Faculty / Industrial Design

Implementation period:

28 May – 4 June

Description of actions implemented within the task:

We met our teammates and Dr. Piotr Tolozcko on the first day. Dr. Piotr Tolozcko made his presentation about the workshop and informed us. While in the Workshop area, Dr. Piotr Tolozcko showed us how to use wicker tools and talked about the characteristics of wicker trees. At the end of the first day, we laid the foundations of our design.



On the second day of the workshop, we strengthened the structure. Radio and television reporters visited us and they gathered information about the workshop.

On the third day, while the workshop was continuing, we visited the industrial design classrooms and studios with Dr. Teija Gumilar. At the end of the third day, the shape of the structure was fully revealed.

Our fourth day at the workshop, rounding the structure we placed support rods on the inside and outside and then fixed it. We attended the opening of Dr. Engin Güney's painting exhibition and while there, Prof. Dr. Markowi Adamskiemu gave us our certificate of participation.

On our last day at the workshop, we continued to work until noon and then we said goodbye to everyone and set off.

Description of results obtained during the implementation of the task:

Short-term:	• This workshop taught me a lot in a 1-week period. I learned a lot about Wicker knitting methods. I learned how to use wicker tools and how to distinguish between wet/dry wooden sticks. Besides, it was a great opportunity to meet people from different cultures, socialize and practice English.

Long-term:	• After this workshop I attended, I became aware of the differences and similarities in the perspectives of people studying at the same faculty in different countries. These thoughts gave me different perspectives about design.

Specjalista administracyjno-finansowy EcoSET
Projekt nr PPI/APM/2019/1/00003
dr inż. Magdalena Kolenda (7987)
21.06.2022

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20.06.2022

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Report

Task:

x	Task 1. Organisation of mobilities International Wicker Workshop
x	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Deniz EKMEKÇİOĞLU, Assist. Prof. Dr.

University name:

Ondokuz Mayıs University-TÜRKİYE

Faculty/Department name:

Fine Arts Faculty / Industrial Design

Implementation period:

30 May 2022 – 3 June 2022

Description of actions implemented within the task:

First day (30 May 2022) of International Wicker Workshop we visited International Relations Office, Aleksandra Mielczarek - Erasmus Coordinator. After, we met wicker team and had brief meeting about Wicker Project Dr.Piotr Tolozcko. Also, We were getting ready Painting Work with Dr. Engin Guney.


During our visit at Bydgoszcz University of Science and Technology we visited faculty academic staff with Dean of Politechnika Bydgoszcz Prof. Romuald Fajtanowski and Faculty Erasmus Coordinator Dr. Teija Gumilar to introduce Turkish team and talking about Ondokuz Mayıs University, Fine Arts Fakulty, Industrial Design Department. After that we visited some of faculty academic personal as MSc Anita Szymankiewicz and MSc Joanna Muszyńska at Department of Design and talk about their classes.

MSc Weronika Poręba (Department of Design) and group of her students visited painting workshop of Dr. Engin Guney. We explain about his works and the idea about paintings. Also, Prof. Aleksandra Siminska and Msc. Eng. Agata Bukaluk visited Dr. Engin Guney in his workshop area. After her visit, we visited her studio at the Department of Interior Design to know about her works. Msc. Eng. Agata Bukaluk was all the time with us during our visits. Then, we visied Dr. Julia Wleklińska from Department of Interior Design.

Dr. Engin Guney opened his exhibition including his 21 paintings.

During a week, I attended wicker workshop and worked there with colleagues and students.

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Description of results obtained during the implementation of the task:

Short-term:	• It was interesting to meet two different department, and their colleagues and students. We share our thinking and experiences. We figured out the Erasmus + activity.
Long-term:	• We were agreed to work in future project together. Also, We might use Erasmus + not only students, also colleagues. It would be beneficiary to change some of students in future. Our faculty would be happy to host your students and colleagues in Samsun-Türkiye.

20.06.2022

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Specjalista administracyjno-finansowy EcoSET
Projekt nr PPI/APM/2019/1/00003
dr inż. Magdalena Kolenda (7987)
21.06.22

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Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Ahmet Beycioglu, Prof., PhD., Eng.

University name:

Adana Alparslan Türkeş Science and Technology University

Faculty/Department name:

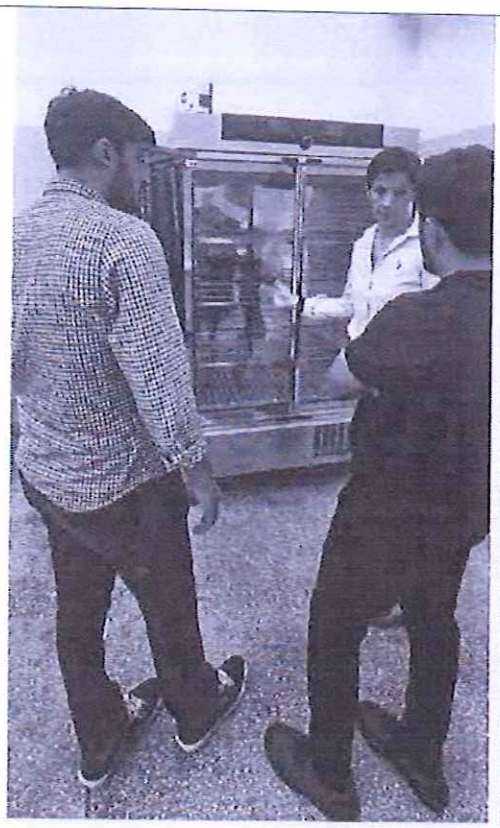
Department of Civil Engineering

Implementation period:

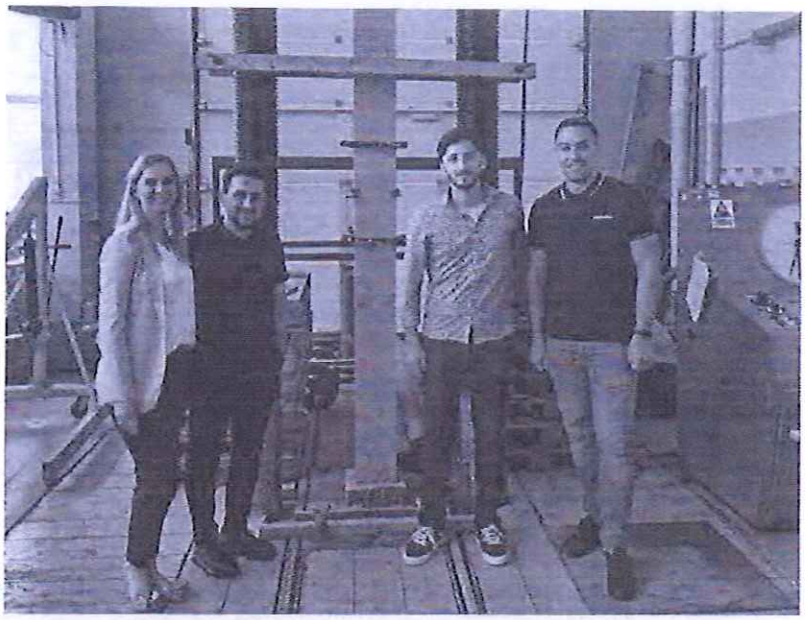
6.06-13.06.2022

Description of actions implemented within the task:

1. Scientific discussion of a research paper currently under development concerning geopolymer concrete based on fly ash, and geopolymer concrete with the addition of ground waste glass as a substitute for fly ash.



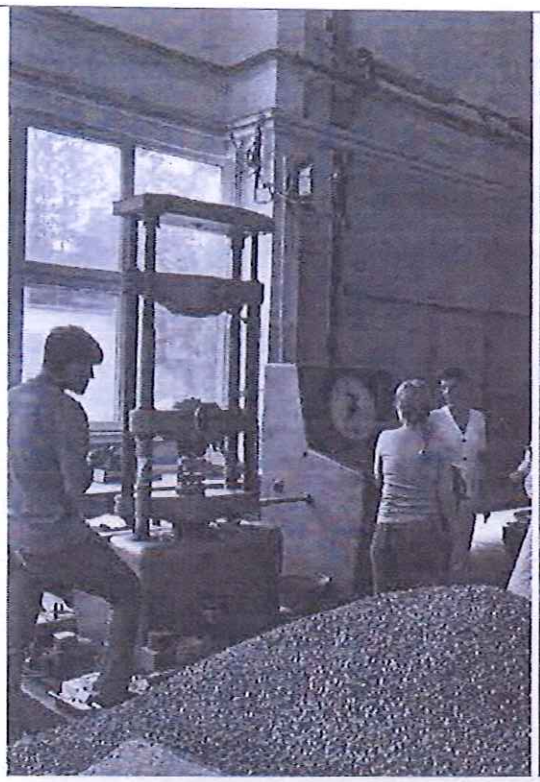
2. Discussion on the issues of joint scientific research.

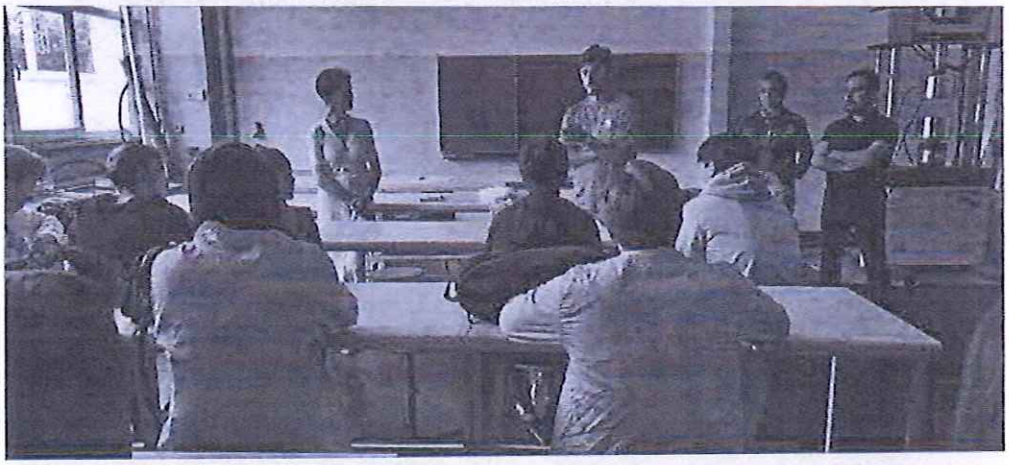


A.B.

3. Meeting with students of Faculty of Civil and Environmental Engineering and Architecture, Bydgoszcz University of Science and Technology.

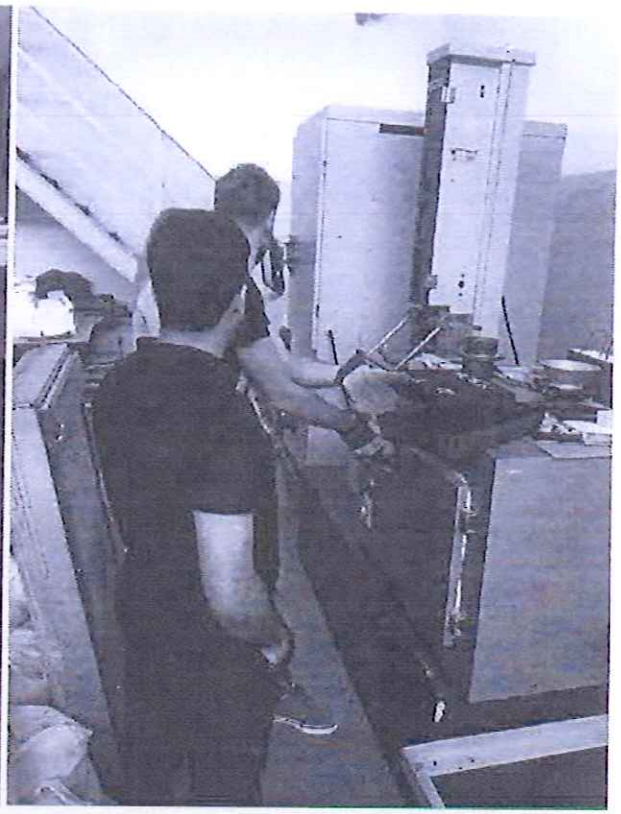
A.B.





A.B.

4. Meeting with the researchers from Faculty of Civil and Environmental Engineering and Architecture, Bydgoszcz University of Science and Technology:



- presentation of laboratory, - presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS)

Description of results obtained during the implementation of the task:

Short-term:	• Consultations concerning scientific articles under development.
Long-term:	• Initial scientific research was carried out and a program of further research was established on the geopolymer concrete properties and the adhesion of concrete to reinforcing bar. Two more scientific articles are currently being prepared. • The scope of research that will be carried out by a PhD student from PBS during the next September visit to Adana has been detailed discussed. • Encouraging students and employees from Bydgoszcz University of Science and Technology to visit Adana Alparslan Türkeş Science and Technology University in the ERASMUS program framework.

26.07.2022

date, Beneficiary signature

Koordynator wydziałowy WBAiIŚ
Projektu EcoSET nr PPI/APM/2019/1/00003
dr hab. inż. Magdalena Dobiszewska
prof. PBŚ (7899)

26.07.2022

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NAWA

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Hüsamettin ÜRÜNVEREN, Res. Assist.

University name:

Adana Alparslan Türkeş Science and Technology University

Faculty/Department name:

Department of Civil Engineering

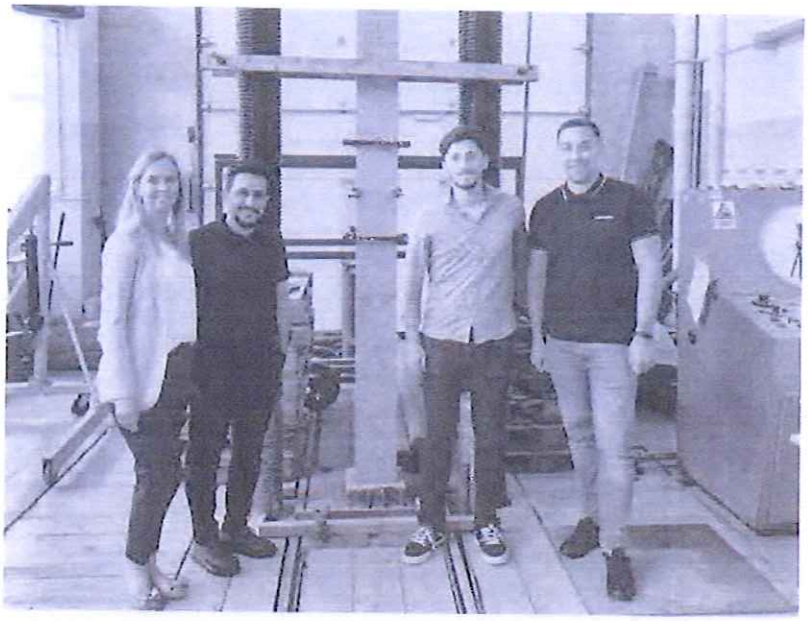
Implementation period:

6.06-13.06.2022

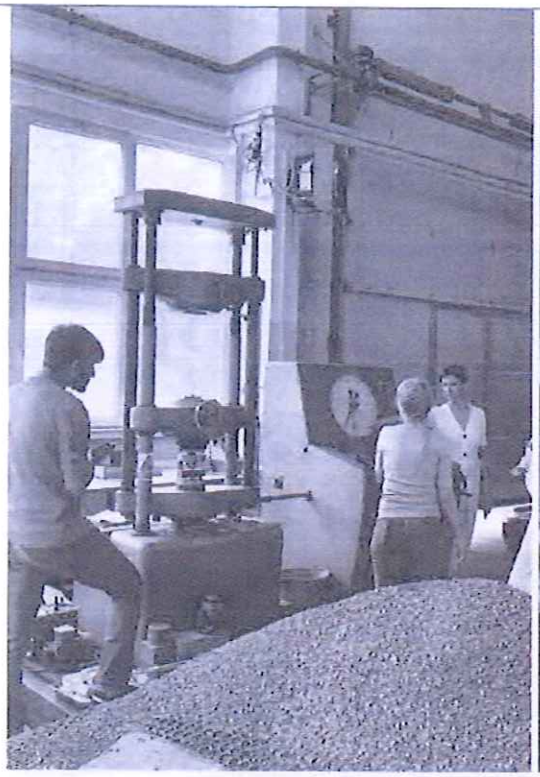
Description of actions implemented within the task:

1. Scientific discussion of a research paper currently under development concerning geopolymer concrete based on fly ash, and geopolymer concrete with the addition of ground waste glass as a substitute for fly ash.

2. Discussion on the issues of joint scientific research.



3. Meeting with students of Faculty of Civil and Environmental Engineering and Architecture, Bydgoszcz University of Science and Technology.



4. Meeting with the researchers from Faculty of Civil and Environmental Engineering and Architecture, Bydgoszcz University of Science and Technology:

- presentation of laboratory, - presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS)

Description of results obtained during the implementation of the task:

Short-term:	• Consultations concerning scientific articles under development.
Long-term:	• Initial scientific research was carried out and a program of further research was established on the geopolymer concrete properties and the adhesion of concrete to reinforcing bar. Two more scientific articles are currently being prepared. • The scope of research that will be carried out by a PhD student from PBS during the next September visit to Adana has been detailed discussed. • Encouraging students and employees from Bydgoszcz University of Science and Technology to visit Adana Alparslan Türkeş Science and Technology University in the ERASMUS program framework.

Koordynator wydziałowy WBAiIŚ
Projekt EcoSET nr PPI/APM/2019/1/00003
dr hab. inż. Magdalena Dobiszewska
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26.07.2022

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Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Gözde Türkmen Müldür, PhD.

University name:

Adana Alparslan Türkeş Science and Technology University

Faculty/Department name:

Department of Business

Implementation period:

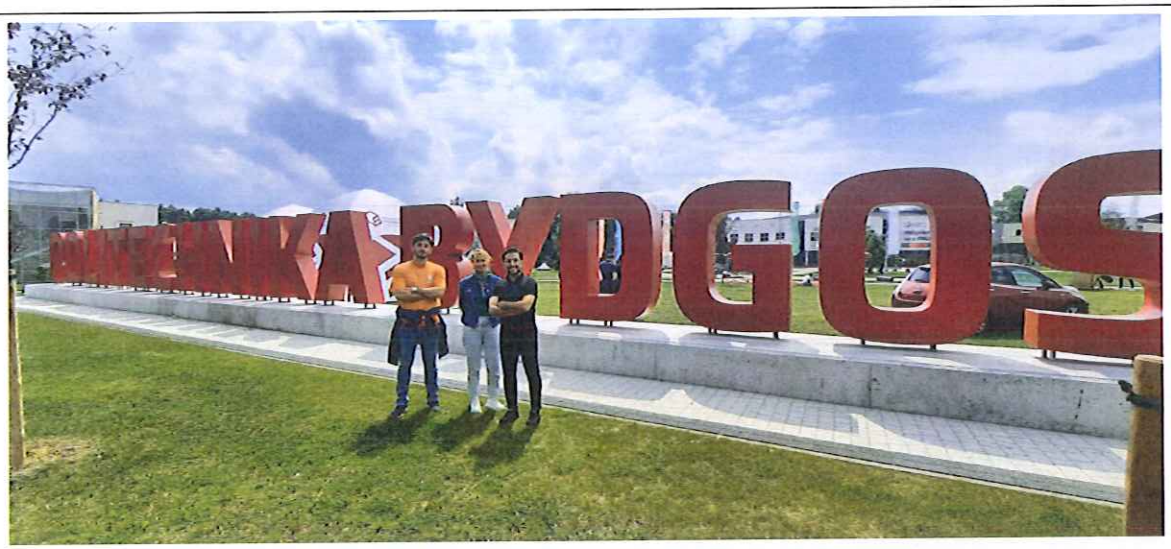
8.06-12.06.2022

Description of actions implemented within the task:

1. Discussion on the issues of joint scientific research and further paper concerning Life Cycle Assessment and Life Cycle Cost Analysis.
2. Meeting with students of Faculty of Civil and Environmental Engineering and Architecture, Bydgoszcz University of Science and Technology.
3. Meeting with the researchers from Faculty of Civil and Environmental Engineering and Architecture, Bydgoszcz University of Science and Technology:
   - presentation of laboratory,

- presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS)



Description of results obtained during the implementation of the task:

Short-term:	• Consultations concerning scientific article under development.
Long-term:	• Initial scientific research was carried out and a program of further research was established on the concerning Life Cycle Assessment and Life Cycle Cost Analysis. • Encouraging students and employees from Bydgoszcz University of Science and Technology to visit Adana Alparslan Türkeş Science and Technology University in the ERASMUS program framework.

27.07.2022 Gözde Türkmen Müldür
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Koordynator wydziałowy WBAiIŚ
Projekt EcoSET nr PPI/APM/2019/1/00003
27.07.22 dr hab. inż. Magdalena Dobiszewska
prof. PBŚ (7899)
date, Project Manager signature

Report

Task:

x	Task 1. Organisation of mobilities
	Task 2. Subsidizing participation in international conferences

Participant's first and last name, academic degree and title:

Dimitrios Goulias, Associate Professor

University name:

University of Maryland

Faculty/Department name:

Civil and Environmental Engineering

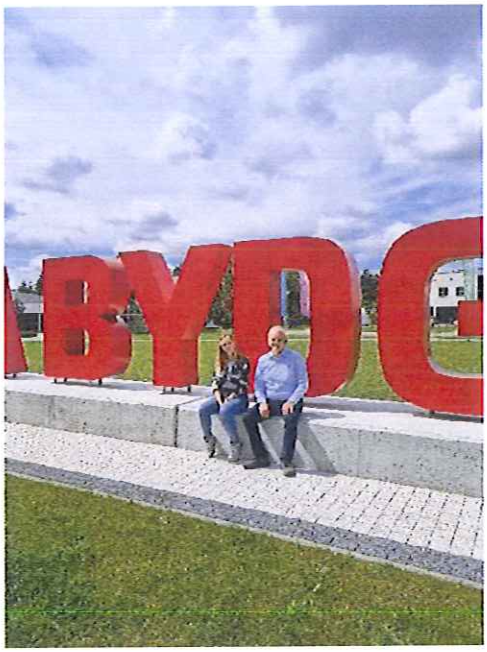
Implementation period:

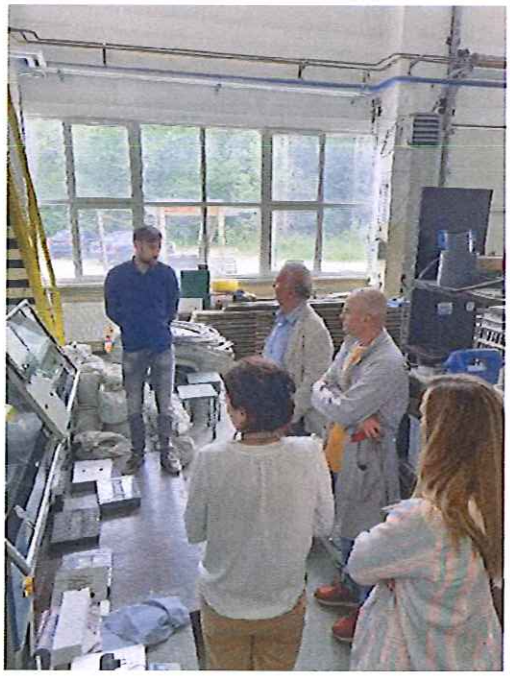
13.06-18.06.2022

Description of actions implemented within the task:

1. Scientific discussion of a research paper currently under development concerning life cycle economic and environmental impact benefits when using rock dust as either fine aggregate replacement in concrete, and/or cement replacement.
2. Discussion on the issues of joint scientific research.
3. Giving a presentation: "Non destructive testing of highway materials and structures."
4. Meeting with students of Faculty of Civil and Environmental Engineering and Architecture, Bydgoszcz University of Science and Technology.

5. Meeting with the researchers from Faculty of Civil and Environmental Engineering and Architecture, Bydgoszcz University of Science and Technology:
   - presentation of laboratory,
   - presentation of research area and scientific interests of Faculty of Civil and Environmental Engineering and Architecture (PBS)





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Description of results obtained during the implementation of the task:

Short-term:	• Consultations concerning scientific articles under development.
Long-term:	• The scientific program concerning nondestructive methods in testing of highway materials and structures and sustainability assessment of different kind of waste in concrete production was established.

27.07.2022 *Dimitrios Goulias*

date, Beneficiary signature

Koordynator wydziałowy WBAiIŚ
Projekt EcoSET nr PPI/APM/2019/1/00003
dr hab. inż. Magdalena Dobiszewska
prof. PBŚ (7899)

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27.07.2022

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NAWA

Report

Task:

X	Task 1. Organisation of mobilities

	Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Mengjun Wu MSc (PhD student)

University name:

University of Molise

Faculty/Department name:

Environmental and Food Sciences

Implementation period:

between the 14th of June 2022 and 13th of August 2022

Description of actions implemented within the task:

Basis of the collaboration: development of international research collaboration being the priority of EcoSET NAWA and realization of the goals of international cooperation with University of Molise foreseen in the OVOBIOM research project (NCN no. 2019/35/B/NZ9/03186)

1/ Participating in co-culture of probiotics with intestinal cell lines and analysis of metabolite samples (Task 1).

2/ Completion and submission of 2 manuscripts. The advanced drafts were prepared during the earlier mobility (Task 2).

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Description of results obtained during the implementation of the task:

Short-term:	• 1/ Participating in the analysis of metabolite samples from OVOBIOM project (Polish National Science Centre grant no. 2019/35/B/NZ9/03186) • 2/ Complete a draft manuscript on the "Metabolomic approach to elucidate the effects of prebiotics and probiotics on gut health in poultry" • 3/ Assist colleagues with cell maintenance and primordial germ cell (PGC) isolation from chick embryo and RNA extraction. • 4/ Discuss and propose the protocol for the effects of probiotics supernatant on cells under heat stress conditions. • 5/ Discuss and propose the protocol for the generation of monocyte-derived macrophages (MDMs) from sheep blood.
Long-term:	• Increased internationalization of the group at the Faculty of Animal Genetics and Biotechnology dpt, PBS • The PhD candidates from UNIMOL (Mr Mengjun Wu) and PBS (Ms Sanling Zuo) have the 1 common peer-reviewed articles. • Maintain the cooperation according to the project (Polish National Science Centre grant no. 2020/39/I/NZ9/01304)

29.8.2022

Mengjun Wu

date, Beneficiary signature

(Mengjun Wu, MSc)

date, Project Manager signature

(Prof. Marek Bednarczyk)

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Report

Task:

- [x] Task 1. Organisation of mobilities
- [ ] Task 2. Subsidising participation in international conferences

Participant's first and last name, academic degree and title:

Andrej Bátik, Ing., assistant professor

University name:

Mendel University in Brno

Faculty/Department name:

Department of Animal Morphology, Physiology and Genetics

Implementation period:

18.06-3.06.2022

Descrition of actions implemented within the task:

The aim of the research internship at the university was to learn new methods of processing and analysis of histological samples as well as to improve in histological techniques, consult new procedures and implement them in research work

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Description of results obtained during the implementation of the task:

Short-term:	• acquiring new techniques for staining samples (oil red, PAS reaction) • gaining experience in working on a cryostat • learning the fixation procedure needed to work with frozen samples • a new method of morphometric analysis
Long-term:	• gaining experience with the operation of a histology laboratory • sharing new research information and practices with researchers from abroad • the opportunity to collaborate on future research projects • the possibility to communicate research and method issues with a foreign university

17.8.2022 Rob

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Kierownik Projektu EcoSET
Projekt nr PPI/APM/2019/1/00003
prof. dr hab. inż. Marek Bednarczyk (7986)

date, Project Manager signature

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