

## Report

**Task:**

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.

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**University name:**

Bydgoszcz University of Science and Technology

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**Faculty/Department name:**

Faculty of Civil and Environmental Engineering and Architecture

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**Implementation period:**

12.03-25.03.2022

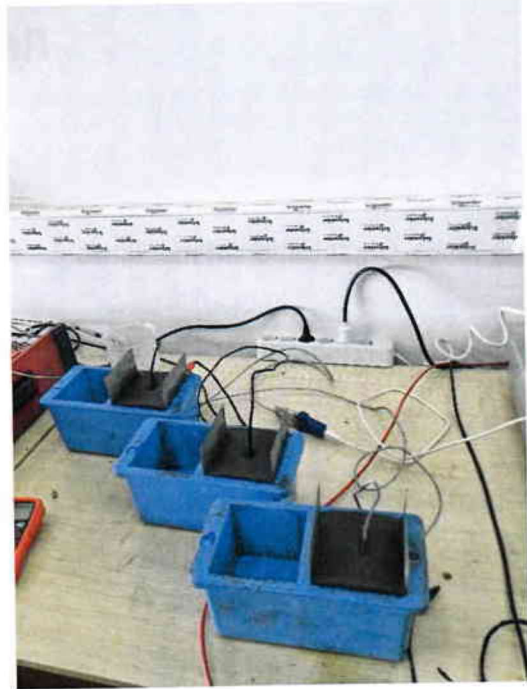
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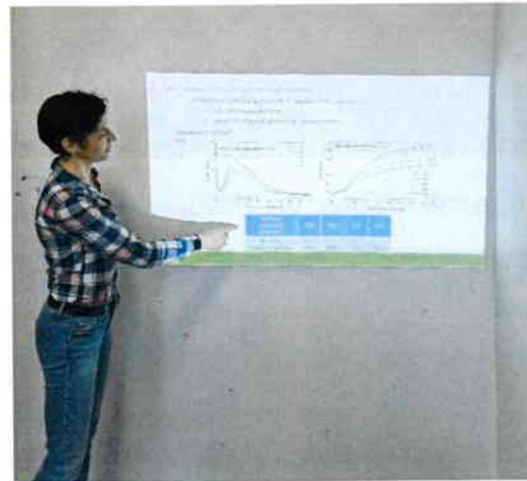
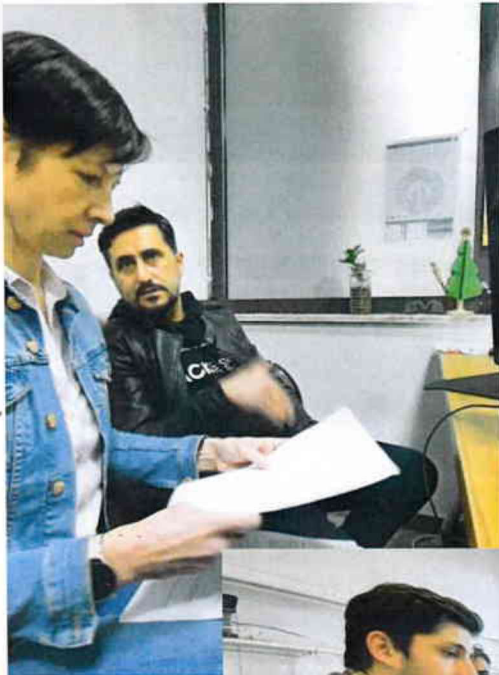
**Description of actions implemented within the task:**

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.





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



3. Meeting with the management of ABA Yalitim 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:

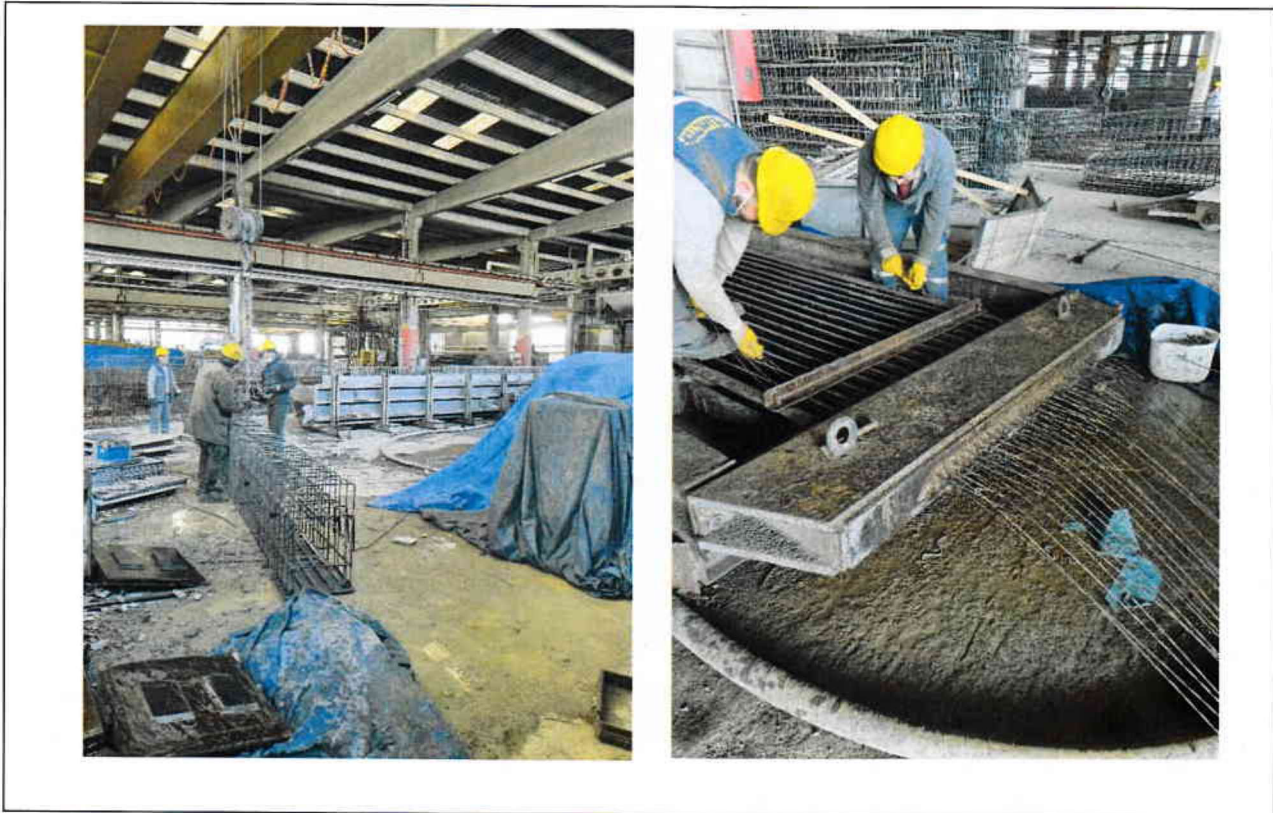
[https://iso.meb.k12.tr/icerikler/prof-dr-magdalena-dobiszewska-okulumuzda-ogrencilerimizle-soylesiye-katildi\\_12656987.html](https://iso.meb.k12.tr/icerikler/prof-dr-magdalena-dobiszewska-okulumuzda-ogrencilerimizle-soylesiye-katildi_12656987.html)





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.





**Description of results obtained during the implementation of the task:**

<p><b>Short-term:</b></p>	<ul style="list-style-type: none"> <li>• Consultations concerning scientific articles under development.</li> <li>• Discussion on new international project Strategic Partnerships Programme which was applied to Polish National Agency for Academic.</li> </ul>
<p><b>Long-term:</b></p>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> </ul>





	<ul style="list-style-type: none"><li>• Discussion concerning the possibility of cooperation between Ismail Safa Ozler High School and Bydgoszcz`s High School in the ERASMUS program framework.</li><li>• 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.</li></ul>
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03.04.2022

date, Beneficiary signature

14.04.22

date, Project Manager signature