

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.

University name:

Bydgoszcz University of Science and Technology

Faculty/Department name:

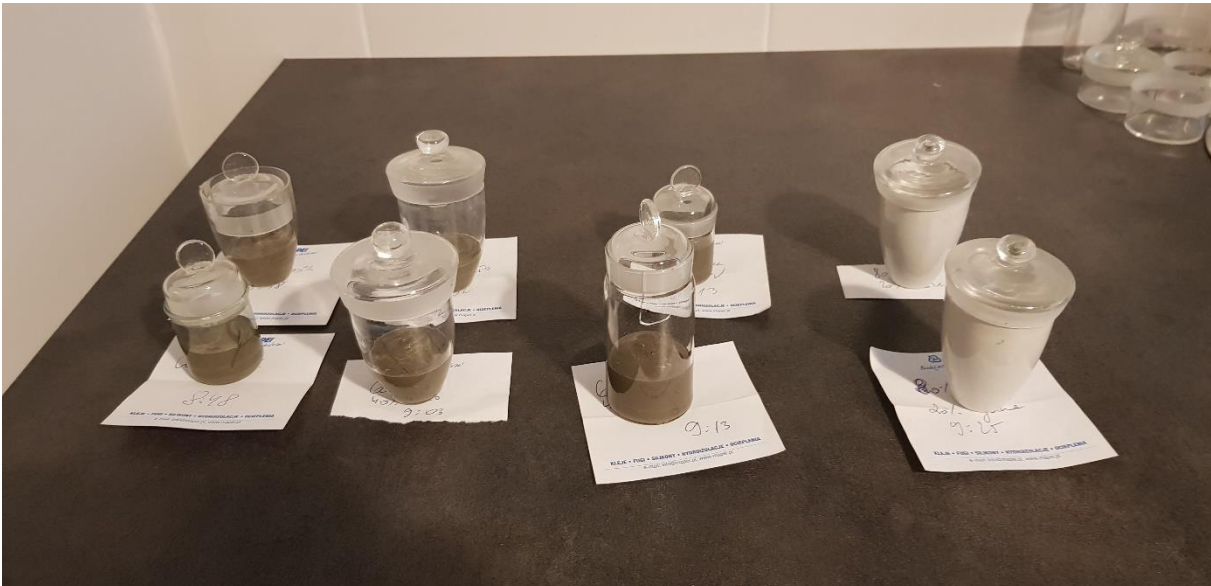
Faculty of Civil and Environmental Engineering and Architecture

Implementation period:

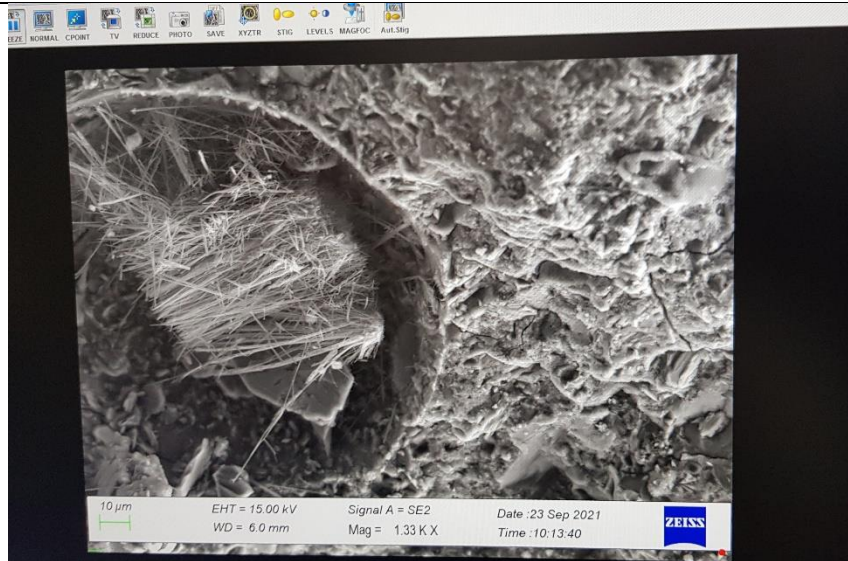
11.09-09.10.2021

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)











Description of results obtained during the implementation of the task:

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|---------------------------|--|
| <p>Short-term:</p> | <ol style="list-style-type: none"> 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. |
| <p>Long-term:</p> | <p>Currently three articles are prepared concerning the analysis of the different mineral waste additives influence on the cementitious composites properties.</p> <p>Titles of articles:</p> <ol style="list-style-type: none"> 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