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QUANTITATIVE REPORT OF THE ACTIVITIES CARRIED TOWARD PUPILS 03/2023

UBS



European Regional Development Fund



Partners

PP Leader : UBS

Partners involved :

INRAE

UOC

UOP

Content

As planned in the project extension, the academic partners UBS, INRAE, UOC carried out actions to raise awareness among the new generation about biobased materials and their benefits for the environment.

Concrete results have been shown to pupils so that it makes sense with their own experiences: the impact of green house gas emissions of biobased semi products or

This report summarises the schools that were targeted by the partners and the initiatives that took place with them.

UBS:

- The middle school Henri Wallon was visited in January 2023 by Alain Bourmaud and Lise Dugor. A class of pupils in their last year before high school was presented what are biomaterials, their potential use and their benefits for the environment and for the applications they are used for. On top of that, the study possibilities to work in the field of biomaterials were introduced to them, as it is the year they can choose their future orientation. Target reached: 1



- UBS received in its premises a class from their last year of the middle school St Joseph in Lorient in March 2023. Coralie Buffet and Lise Dugor presented to them composites and natural fibres and how they can be incorporated to create



biocomposites. Then a tour of the lab took place where the pupils could discover the University equipment used for all the tests. They were also given a list of possible studies after high school if they are interested about these topics. Target reached: 1



INRAE:

- Pupils from the year of school CM2 from the school La Mutualité visited the BIA laboratory in June 2022. Johnny Beaugrand showed them the laboratory facilities used to explore natural fibers and exposed the headliner prototype and the flax semi-products made in FLOWER. They had in front of them the full results of what can be made from flax fibers, and were taught the environmental advantages of using natural resources rather than petro-based ones.

The pupils, the teacher, the accompanying parents and the scientific mediator from the Sequoia centre of the Nantes City Council were very happy and interested in their visit. The experience was really very positive.

The Nantes City Council's Séquoia centre is located in the Dervallières district. It is dedicated to educational success and is made up of a team of scientific mediators who organise activities for all audiences (mainly young people during extracurricular time, but also schools) on science and environmental issues. They have premises with several rooms for young people to carry out small experiments.

Target reached: 1

UOC:

- Darshil U. Shah gave an interactive meeting at the Festival of Science in March 2023. An activity stand was prepared at which pupils from several schools in Cambridge could attend.

The event went really well, the kids liked seeing the physical materials a lot! It was hosted by the Institute for Manufacturing (at Cambridge University). There was about 120 visitors, if not more, starting from very young age (ca 5 years old), most from different schools in the regions (so probably 30-40 schools, including small primary and secondary schools).



UoC combined three main exhibits – with the FLOWER flax-based materials, bamboo cricket bats, and also timber for flexible walls. All natural materials though.

Target reached: 30



- On top of that, Mutsuko Grant participated in an exhibition on the 14th March evening at the Fawcett Primary School showcasing some of the FLOWER work to primary school children.

Target reached: 1

UOP:

The partner University of Portsmouth did not have any connection to schools and could not make a presentation to any.

CONCLUSION

This dissemination task was really different than the one directed at the scientific audience or at industrials. It was a new work for the academic partners, however really



interesting. It would be interesting to pursue these tasks as the younger generations will build the future world and were keen to learn more of the use of natural materials. Not all partners met with the number of schools that was planned, mostly because of lack of connection with schools, however the meetings that took place were really interesting and the target number has been overcome by Cambridge University Festival of Science which attracted about 30 different schools.