



MODULES OF ALTERNATIVE EDUCATION SYSTEMS TO ENCOURAGE MECHATRONICS FOR PRECISION FARMING

D.T3.2.4 - UM FKBV

Version 1
05 2022



Transform4.0

An important objective of Transform 4.0 is to disseminate and raise awareness of the results and activities of the project. That's why we have connected with secondary schools that have any connection with precision agriculture, electronics, mechanical engineering and mechatronics. We visited two secondary schools, the Secondary Biotechnical School Maribor and the Secondary Agricultural School Ptuj. First school we visited on 17 February and the second on 22 February. The event was moderated by assistants Damijan Kelc and Erik Rihter.

The visit to the schools took place in 4 phases:

- **Phase 1:** discussion with students on agricultural issues, challenges, opportunities, new technologies, their interests, personal views on agriculture
- **Phase 2:** general presentation of the Transform 4.0 project
- **Phase 3:** presentation of pilot action 2, demonstration of how the system works, benefits, view videos
- **Phase 4:** discussion about project, personal thoughts, potentials, innovations, students were asked to complete surveys (link to activities 3.2.6)

In total, 36 students (11 in Ptuj and 25 in Maribor) attended the events. Students generally showed a very strong interest in precision agriculture. Most of them have heard of precision agriculture. Half of them have handled them, and a few students even use them on their farms. The students' teachers were also actively involved and were most interested in the working principle of the prototype in pilot action 2. There were also many questions on the economic viability and cost savings of phytopharmaceuticals. There was also a debate on the use of sensors in agriculture.

Note: Due to data protection issues, teachers have not given us access to student data, so we do not have an attendance register. As proof, we can attach the emails where we agreed on the events.



Transfarm4.0





Transform4.0





Transform4.0





TRANSFARM 4.0 - AGENDA MARIBOR in PTUJ 2021

3.2.4 Meeting 17/02/2022 (Ptuj) and 22/02/2022 (Maribor)



General Information

- **Šolski center Ptuj**
OE Šola za ekonomijo, turizem in kmetijstvo,
Volkmerjeva cesta 19,
2250 Ptuj
- **Biotehniška šola Maribor**
Vrbanska cesta 30,
2000 Maribor



AGENDA

Program Thursday 17/02/22 and Tuesday 22/02/22

- 1) 12:00 -12:15 Introduction (Damijan Kelc)
- 2) 12:15-12:30 Open discussion (All)
- 3) 12:30-13:00 Transform introduction (Erik Rihter)
- 4) 13:00- 13.30 Pilot action 2 (Damijan Kelc)
- 5) 13:30 -14:30 Q&A Session (All)

End: 14:30