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INTERIM REPORT

School year 2011/2012

Tatjana Antić

Using CNC technologies, we are building a model train with tracks, and a corresponding European Electronic Map (EEM). Electronic devices and gimmicks are supporting parts to the EEM and also serve as the connection between locomotives, wagons, tracks and the Map itself.

There are 4 working lines in the project, as follows: 1. Workline A / Locomotives 2. Workline B / Wagon Components 3. Workline C / European Electronic Map 4. Workline D / Supporting Tasks.

At the first meeting in Zagreb, the partners defined the common motto (What we have done to connect people) for design of individual upper parts of wagons, decided to make standardized undercarriages, and established a number of additional working groups.

President of Croatia Ivo Josipovic was the guest of our project, and Croatian students and teachers explained him our tasks, goals and wishes.

At the second meeting in Lisbon partners discussed for the first time the 4 different locomotives that will be built under the project, whereby each group would build their own, based on the principle of task division. All of the partners voted for one of 3 proposals for technical and common design of the European Electronic Map. Our group's proposal was voted the best. We became supervisor for the whole EEM, Luxembourg for Plexiglas panel parts, Italy for Electronics, and Croatia was assigned a coordinating role in the Presentation subgroup.

At the third meeting in Celje, the partners participating in our Wheels subgroup decided on the technical and common design of wheels on behalf of all the involved schools.

The European Electronic Map was improved and 3 different proposals of electronics would be presented at the project web site and forum. The Croatian students are to develop one of those proposals.

In collaboration with Media technicians from the Slovenian school, we also developed a new screenplay for a new video about our work. There will also be videos as personal contributions from 1-2 students or teachers from all participating schools.

In the context of all the meetings held under the project, company visits were organized on Company Day, and visits to the most interesting cultural venues on Cultural Days. Our students improved both their technical knowledge and their fluency in English. They have learned from their peers what living and learning is like in different European countries.

A CNC company Heidenhain GmbH supported us in all three meetings. Our students were given introductory and advanced courses in programming on some of their machines.

In our opinion we have achieved all the goals for the first year, at national and European levels. We take part in all the working groups, we are improving our knowledge in mechanics, electronics and English, and we learned a lot not only about the countries we'd visited but also about almost all the countries involved in our partnership.

We spent about 50% of the budget and realized 20 mobilities / 6 teachers and 14 students /. We have hosted our group's general meeting, and received high praise from all the participants.

We dedicated officially a part of our school web site to European projects, and Tesla's teachers and students wrote there about their impressions and observations regarding their visits to the two other schools, and our hosting of them here in Zagreb. In our opinion, this is the best way to disseminate the results of the project. In addition to that, we organized one newspaper article, one TV, and one radio interview with our students.

Our students are scheduled to develop one of the entire electronics system (all the electronic signals and the connections / wagon to wagon / wagon to Map / wagon to tracks etc.) by the end of June, when the whole Train Family group will vote for one of 3 proposals.

Tatjana Antić. 25.05.2012