

# SEEL

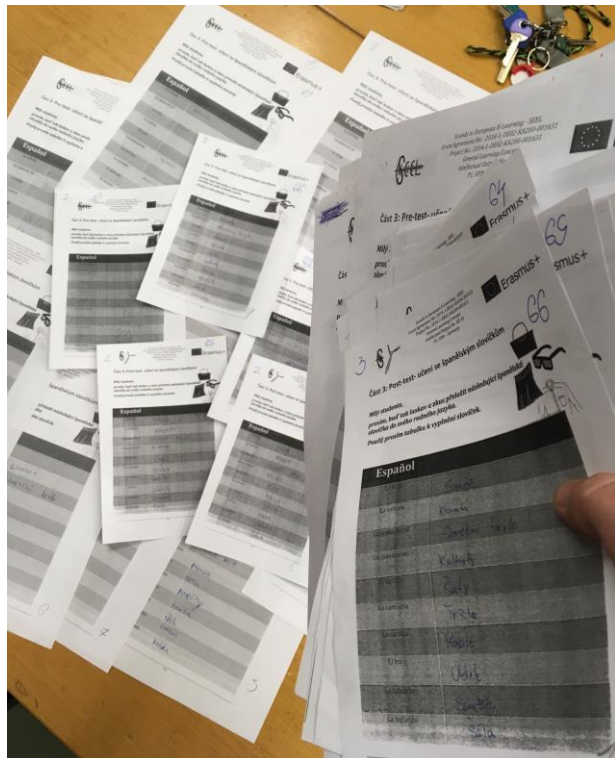
## Photos of the implementation / testing with learners CZ

*Intellectual Output No. 2 O2-A5*

<i>Název projektu</i>	<i>Zvuk v evropském E-learningu</i>
<i>Zkratka projektu</i>	<i>SEEL</i>
<i>Referenční číslo</i>	<i>2014-1-DE02-KA200-001631</i>
<i>Trvání projektu</i>	<i>01. 09. 2014 – 31. 08. 2016</i>
<i>Partneři projektu</i>	<i>P1 University Paderborn – UPB (Německo)</i> <i>P2 Ingenious Knowledge – IK (Německo)</i> <i>P3 Základní škola – ZSC (Česká Republika)</i> <i>P4 Colegiul Tehnic Ion I. C. Bratianu – CTI (Rumunsko)</i>

## 1. Photos of the testing of the scenarios





## 2. Short description

There were 166 students tested in our middle school in the Czech Republic. The age range was 12 – 15 years old where 56 students had only speech and no music during the testing, 110 students used two different music bases. We tested three units: Spanish (126 students), Math (17 students) and Sales pitch (23 students). The number at Spanish testing is highest intentionally because we believe that this unit was the best for the age of our students and none of them had previous experience with Spanish language. All groups were

made very carefully – there were students with the same learning abilities



evenly spread, so the results would be as accurate and corresponding as possible.

We ran in some technical problems during testing because the high number of students connected to our Wi-Fi routers at the same time was slowing whole process.

When we look at the results of the testing there is a slightly better score achieved by students who used music in the background. They also found the testing more interesting. The difference between the results of the students using music (average score 5.65) and students listening to speech only is not so wide – these got only 0.26 lower average score.

From the results of testing it is evident that having music base in the background is helpful but its effect is not striking.

The most positive is that the students found learning units using music more interesting and they enjoyed these units more.