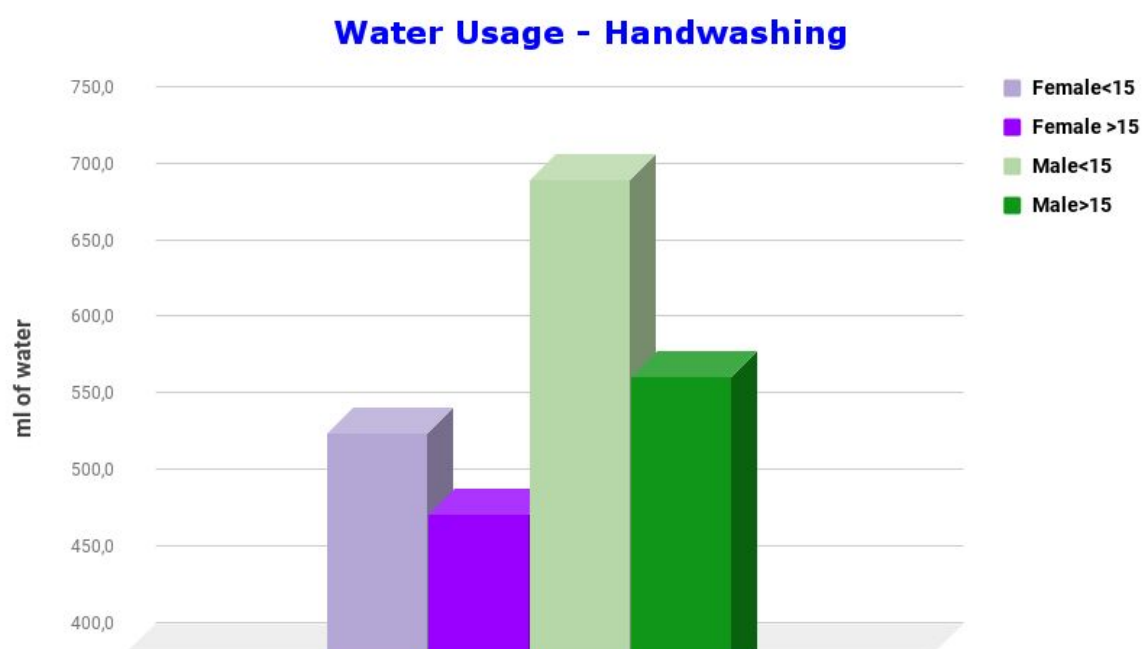


Analysis of the Water Experiment

The experiment was conducted by a team of 10 international mixed Erasmus+ students in the science laboratory at Lyceum of Vrachneika in Patras (Greece) on April 15th 2016. A total amount of 80 students participated in the experiment, ages between 12-17 years old and a distribution of 43 female and 37 male participants.

1. In average female students used 20% less water than male students.
2. In both cases, older students showed a drop in water usage proving a change in their awareness behaviour over the years which corroborated our initial hypothesis.
3. The decrease was more pronounced in male students (30% drop) than female students (14% drop) which could be explain due to:
 - a) The starting point was higher in male (700 ml) than female (540 ml).
 - b) Over the years male students could show a higher switch than female because they usually mature later than female students.



In conclusion, this experiment can be used as a great instrument to analyze water usage behaviour although we recommend to increase the number of participants in order to avoid variability among the results.