

## WATER TIPS APP

Water supply and sanitation are one of the most important environmental issues in Jerusalem. This resource is considered vital for the economic and social development, since the water demand exceeds the availability of water resources, leading to several environmental and health impacts. Due to this, there is only one question left: How to consume **safe** water in the community in a **sustainable** way?

The challenge begins in us, more specifically, in children and adolescents. The future is theirs and for this reason they must be educated in schools, from a young age, to protect water resources and protect themselves. They would be a starting point for information spread, that would later be shared with their parents, family and friends.

For this purpose, an app would be created and integrated into the school system. Students who registered in the app with their personal data, their address and their household information, would create an estimate of their water consumption and ecological footprint. The app would process the data and provide consumers with tips for protecting water resources, reducing consumption, recycling water and create awareness about the water quality in the region. After introducing new information, the app would give feedback about the consume reduction and some new tips to continue with the reduction. The app would later be shared with students' families and friends, creating an integrated information system of sustainable water consume.

This app would be applicable to another city, for example Lisbon, once is functionality depends on the data entered by us, so the app would act as a large database where each could autonomously reduce our water consumption.

