

Water – Course 3

MOOC

*GOOD PRACTICES AND SUSTAINABLE
CONSUMPTION OF WATER*





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INTRODUCTION

Water is one of the basic needs for people, and yet it is the most endangered by human activity. Everywhere on our planet, pollution, overexploitation, physical changes in aquatic habitats as well as climate change, are reducing the quality and availability of water. A responsible attitude towards water is a pre-condition for human survival on Earth.

The community and each individual should be involved in responsible and sustainable water management. It is the responsibility of the community to align spending with needs and opportunities.

Conservation of water resources is mainly focused on water saving, regular maintenance of water infrastructure and reuse of treated water.

1. Lesson 1 Reducing water wastage

Preservation of water resources in tourism is mainly focused on water saving, regular maintenance of water infrastructure and reuse of purified water.



photo: <https://arspublicae.tumblr.com/post/148145472619/40-česmi-umjesto-40-fontana>

Eco gestures to save water:

- Installation of reducers, sensors or timers to control consumption on all taps
- Installation of low flow showers or pressure regulators
- Installation of double flush toilets with low flow
- Use of energy-saving washing machines
- Careful disposal of laundry, reuse of towels to save water
- Backwash function in swimming pools (possibility of water circulation in the opposite direction, discharge of dirty water through a special drain)
- Protecting pool water while pool is not in use
- Effective irrigation of green areas (at night, to prevent evaporation, planting indigenous plants resistant to drought)



2. Lesson 2 Sustainable use of water

Sustainable water management in the community is based on harmonizing consumption with needs and opportunities. For this purpose, it is necessary to monitor spending, anticipate difficulties and to plan solutions constantly.

Let's not forget, we are only allowed to consume as much water as can be replenished in the hydrological cycle!



photo: Hrvatski fotosavez

It is therefore necessary to:

- Constantly compare the water consumed with renewable reserves and sources, (those in the immediate surroundings and those from which the area is supplied)
- Regularly maintain water supply infrastructure and devices to prevent water loss.

It is also desirable to create own water sources (rainwater collection tanks). Collected and filtered rainwater can be used for washing, irrigation and production.

3. Lesson 3 Good practices in water management

Sustainable and good water management practices are desirable in every household. In addition to a responsible attitude towards the environment and the human community, in which many people lack water, such behavior reduces costs in the household budget. A responsible attitude towards water learned in our own home can be applied in every life situation.

Every individual should be aware of the fact that the water he/she consumes comes from reserves that belong to the whole humanity. Our unreasonable and wasteful attitude towards water can affect someone else's health and existence. This should be discussed frequently in the family, especially with children.



photo: <https://plahta.onrender.com/postavljanje-vodovodne-instalacije-za-sve-elemente-u-kupatilu.html>

Household water consumption should be a topic of interest to all household members.

It is desirable to display a reminder of simple and effective ways to save water:

- Avoid keeping the tap open while taking a shower, shaving, brushing teeth and hands
- Never keep the tap open unnecessarily
- Handle laundry responsibly and reasonably

A responsible attitude towards the ecosystem requires:

- Use of ecological detergents and personal hygiene items that do not harm the soil, groundwater reserves or the ecosystem
- Reuse of already used water whenever it is possible (eg using the water in which the vegetables were washed for watering plants)

The responsible person in the household should take care of the proper work and efficiency of water supply installations and devices that use water, in order to prevent losses.

Keep in mind, the water available to us isn't only ours!