

## Innovated re-claimed communal water - Benefits and challenges

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### Abstract

The drought regarding a climate forecast in Albanian departments that have marked the past three months were the result of winter rainfall that was insufficient for replenishing water tables this year and before. It is often said that water shortages are not a threat for Albania due to plenty water sources. It's possible to think of this compared to other countries. Still in some Albanian regions the availability of water resources is becoming an urgent problem, even more so if we link this to the different scenarios tied to climate change. Each basin has specificities, but some general evolutions should be planned for the increase in water demand due to the rise of temperatures causing an increase in the price of water.

This paper aims to introduce the benefits and challenges of applying at homes or communal buildings an Eco-innovation through developing a new inside distribution of wastewater so that it concludes into sustainable development of communal water distribution, therefore recycling in houses. Another objective of the study is to make evident the cost - efficiency importance of these re-distribution systems and how they affect improvement in water needs sector, highlighting the deficiencies that cause their not fully-efficient re-use of grey inside water and the positive impact on potable water saving.

**Keywords:** *reclaimed water. Sustainable development. Eco-innovation. technological change.*

*JEL Classification: O30, O31, O32, O33.*

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Academic Journal of Business, Administration, Law and Social Sciences ISSN 2410-3918 (print)

ISSN 2410-8693 (online)

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