



# **REUSE OF TREATED WASTEWATER IN AGRICULTURE IN TURKEY**

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# GENERAL INFORMATION ABOUT THE PROJECT

# Aim of the Project

The overall objective of the project is to improve the wastewater treatment for agricultural purposes in Turkey.



# Problem Definition

- ❖ There is a strong demand for irrigation water in the area. The area is characterised by long hot summers with a water deficit in the months of June to September (average rainfall = 75 mm for this period).
- ❖ Downstream of the wastewater facility, both individual smallholder farmers and Kocatepe University are interested in using the disinfected wastewater. Farmers currently make limited use of wastewater for irrigation, although they are aware of the associated health risks. Data on health risks are not available.



# Reuse of Treated Wastewater in Agriculture

Dutch Ministry of Infrastructure and Environment



750.000 €



2 years



EVD International



Ministry of Forestry and Water Affairs



Afyonkarahisar



Wastewater Treatment Union of Afyonkarahisar



Kocatepe University  
Farmers



# Steps of the Project

- ✓ Doing feasibility study regarding the wastewater treatment plant and the area that will be irrigated.
- ✓ Selection of appropriate technology and its implementation.
- ✓ Training to technical staff who will work in that wastewater treatment plant.
- ✓ Irrigation of the area and the monitoring of the irrigation results in irrigation season.
- ✓ Conveying the project's results to other municipalities at the end of the meeting that will be held.



# Current Situation

- ✓ The Project of Reuse of Treated Domestic Wastewater in Turkey is ongoing now in Afyonkarahisar. By using treated municipal wastewater of Afyonkarahisar, approximately 2700 ha of agricultural area will be irrigated. The budget of the project funded by Dutch government is 750.000 €.
- ✓ The contract was signed by the contractor.
- ✓ The current situation is the feasibility phase.
- ✓ This project will be a pilot in Turkey and with the results of this project, domestic wastewater will be reused in other municipalities.



# Possible Outputs

- ✓ Draft by-law will be created with obtained outputs at the end of the project.
- ✓ Appropriate irrigation methods will be incentivized in order to provide more effective use of water in agriculture.
- ✓ Conveying the project's results to other municipalities.
- ✓ In the scope of the project, informative meetings will be held for other municipalities.
- ✓ Municipalities in Konya Closed Basin and Ergene Basin are given priority to participate the meetings that will be held.

**THANK YOU FOR YOUR  
ATTENTIONS**

