

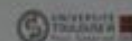
Erasmus+ Green Jobs for our Planet Earth 2016-2018



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WSM



SOWAT
SYSTEM OPEN WATER
ADVANCE TECHNOLOGY

SOWAT project

- SOWAT sistem de filtrare a apei
- Principiu de filtrare fizică, fără chimicale, fără osmoză inversă pentru purificarea apei
- Water Filtration system SOWAT
- Physical filtration principle, without chemicals, without reverse osmosis for water purification
- Système de filtration de l'eau SOWAT
- Principe de filtration physique, sans chimie, sans osmose inverse pour la potabilisation de l'eau

Proiect în curs de desfășurare/ongoing project/projet en cours :

KHAR & PARTNERS

Research for Your Health



www.kharandpartners.com



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PARTICIPATING SCHOOLS:



1. College du Carbet, **Martinica**
2. Liceo Camillo Golgi, **Italia**
3. Instituto de Educación Secundaria Pedro Cerrada, UTEBO, **Spania**
4. Bremnes ungdomsskule , Bremnes, **Norvegia**
5. Academy at Shotton Hall, Peterlee, **Anglia**
6. Kedainiai Sviesioji Gymnasium, Kedainiai, **Lituania**
7. Staatliche Fach- und Berufsoberschule Erlangen, Erlangen **Germania**
8. Liceul Teoretic “Onisifor Ghibu”, Sibiu, **Romania**



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OUR PURPOSE

This multilateral project entitled “Green Jobs For Our Planet Earth” takes place in the field of secondary education. The main challenge our project will try to take up is to help teenagers discover a variety of recently appeared jobs in the field of sustainable development.


One of the activities of the Erasmus+ project called “Green Jobs For Our Planet Earth” took place at Cristian at the Khar&Partners company. This company aims to provide potable water for people in need.

The SOWAT (System open water advance technology)



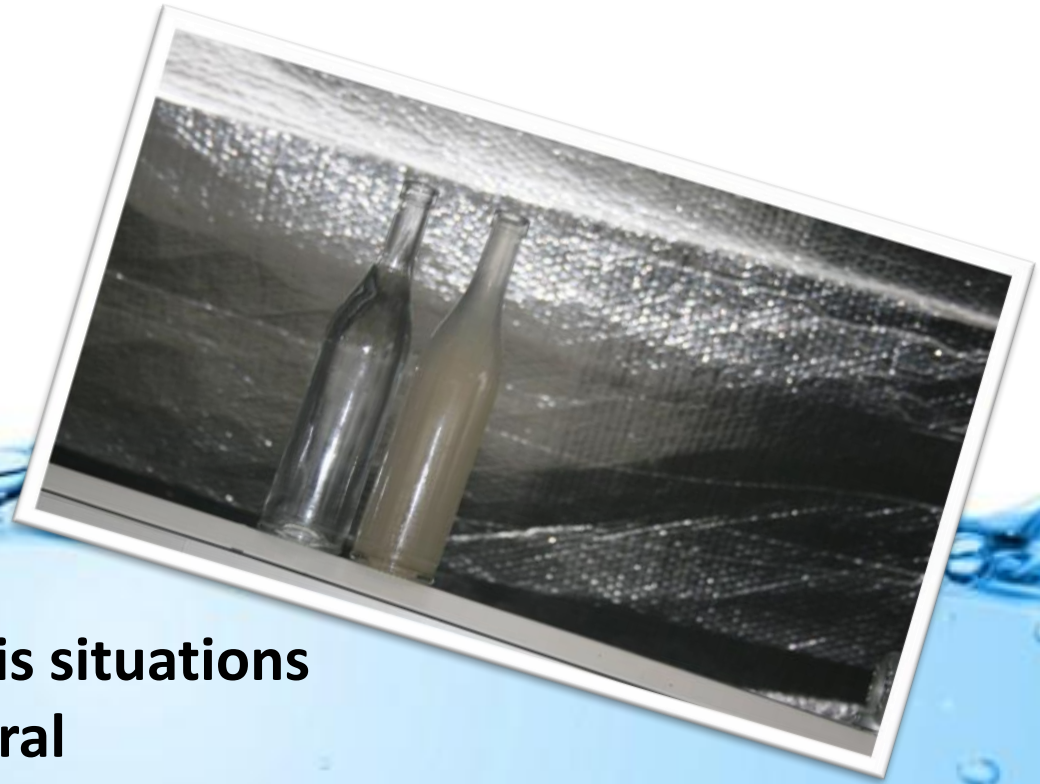
The system's goal is to help persons have access to potable water whether it comes from rivers, wells ,etc. Equipped with filters, the system provides through a physical filtration process without the use of chemicals, drinkable water.

SOWAT filter performance

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1. Pre-filter who stopped sediments up to 100 μm to 1 cm. The filtration element is made of steel.
 2. The switches on and off automatically, this working extremely inexpensive.
 3. Filter with Active Media who stopped all the bacteria to 20 μm by polarity.
 4. Carbon filter to stopped the chlorine, smell, taste and some heavy metals.
 5. Ultra filtration, this clarifies and disinfects water in a single step.



SOWAT was developed by a European team of researchers, pharmacists and specialists in crisis situations in order to adapt to all the situations.




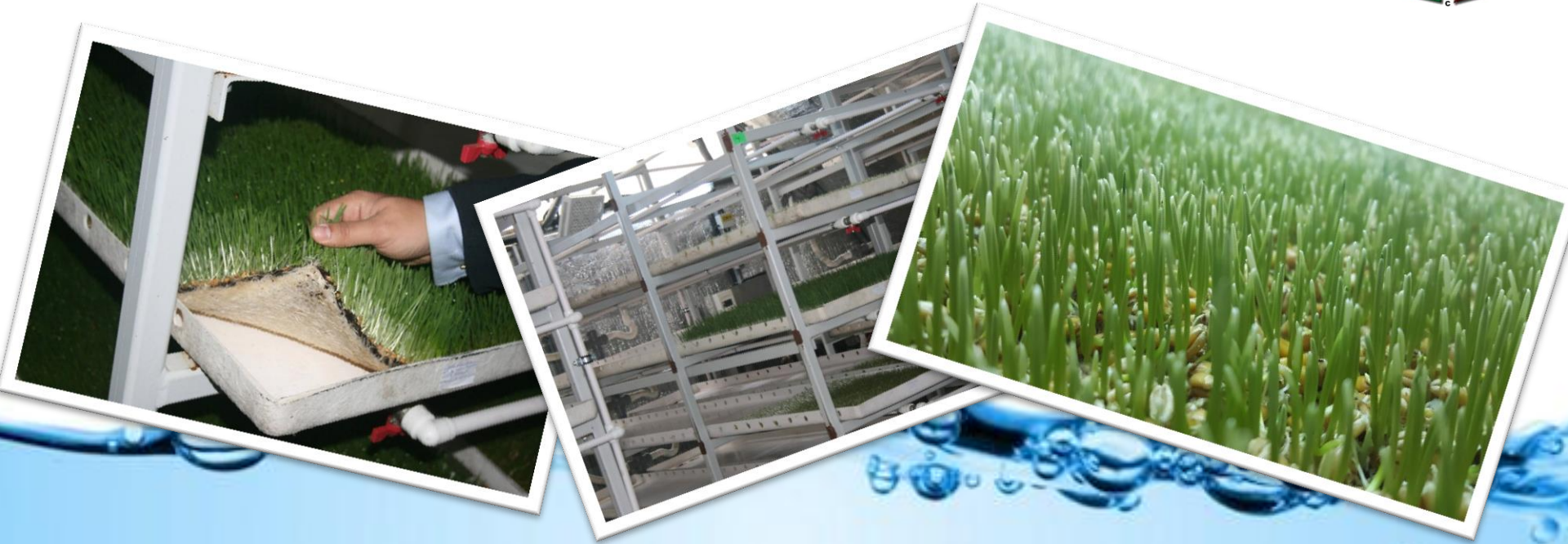
Their team helps people in crisis situations such as refugee camps or natural disasters. Per day it can guarantee clean water for 500-5000 people.

They have already installed the system in Cornatel, Barghis and Biertan villages, Sibiu.



Advantages:

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- Protected from wind and water by an electro galvanized iron box.
 - Simple to use, everything is automatic.
 - Consumable free: at any bought system, they will provide the consumable for 3 years.
 - Minerals are not retained in the process of filtration.



They also make some experiments by trying to grow grass without solid soil. Actually the used soil is made out of coconut.

The number of days needed in order for the grass to fully grow is approximately 7 days.



QUIZ

1. What is the purpose of the “Khar & Partners” company?

1. What provides SOWAT?

2. Who helped the developing of the system?

4. Which is the system goal?

5. Do you think there should be more companies that help people in need? Why?



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<https://greenjobsforplanetearth.jimdo.com>

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