

REBUILD



WINTER SCHOOL

WATER RESOURCES MANAGEMENT IN TRENTINO

Trento, 27-31 January 2025

18



INTRODUCTION

The Winter School 'Water Resources Management in Trentino', was organised by the Autonomous Province of Trento, the Centre for International Cooperation and the University of Trento.

It was an opportunity for European and Libyan partners to meet, learn from each other and **exchange experiences**.

It offered a programme full of **technical visits** and **theoretical insights**, with a strong focus on experiences, management practices and technological solutions in the management of water resources in Trentino.

The topics covered include: management of aqueducts and drinking water supply sources; chemical and microbiological monitoring of drinking water and data management.

The Winter School was developed around the **participatory experiential learning approach**, which refers to experience as a basis for learning and into interaction among participants as a means to generate mutual understanding and collective learning. Each day included field visit, presentations from experts and exchanges among participants.

Additional details can be found in the **Winter School agenda**.

The Winter School was organized as part of the REBUILD pilot project on *environmental safety*, which aims to **improve the quality of drinking water** in five partner municipalities in Libya: Azzawiya, Bani Walid, Gharyan, Sebha and Zintan.



Azzawiya
بلدية الزاوية



Beni Walid
بلدية بني وليد



Gharyan
بلدية غريان

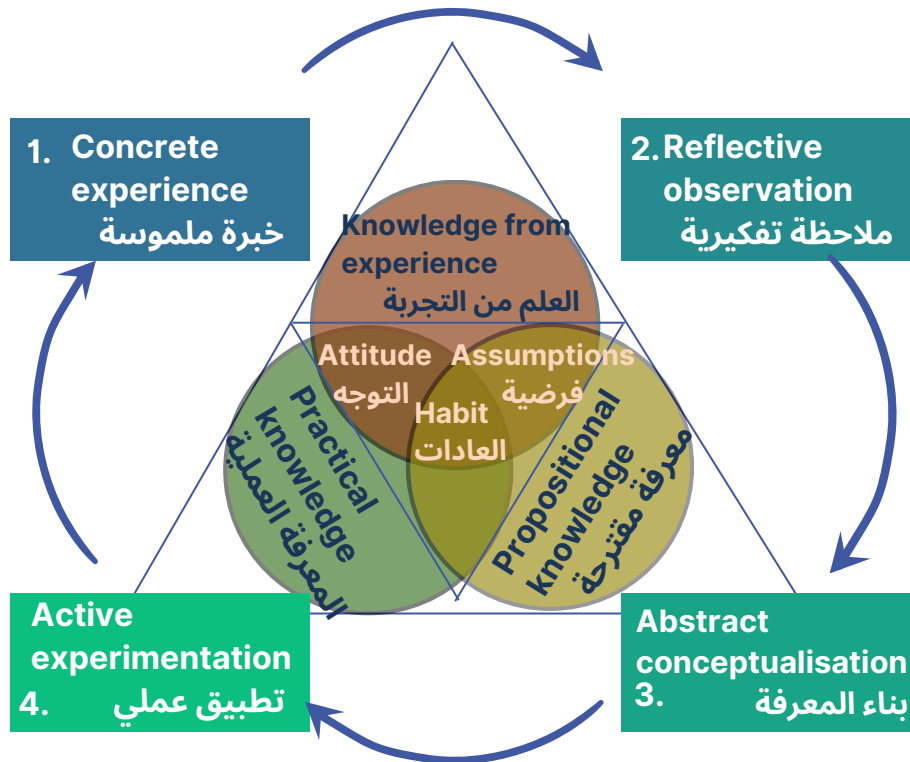


Sabha
بلدية سبها



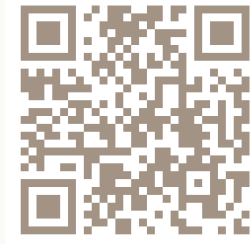
Zintan
بلدية الزنتان

APPROACH

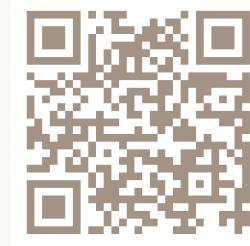


Participatory experiential learning model

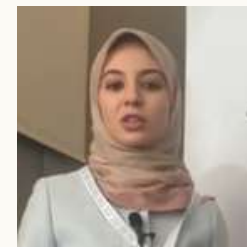
INTERVIEWS



Prof. Gianni Andreottola, University of Trento on the **key topics of the Winter School**



Prof. Guido Zolezzi, University of Trento on the **role of the University in the development of the territory**













Fatimah Alajilani, lab technician at the Municipality of Gharyan, **participant in the Winter School**

WINTER SCHOOL IN NUMBERS



PARTICIPANTS

Mohammed Shaeroun محمد شعرون	Head of Environmental Sanitation Department مدير إدارة الاصحاح البيئي	Azzawiya  الزاوية	Awn Alshaftari عون الشفتري	Head of Environmental Sanitation مدير مديرية الاصحاح البيئي	Directorate of Azzawiya مديرية الزاوية
Ali Jaboudah علي جبودة	Head of the Lab مدير مختبر		Abdulahakim Omar عبد الحكيم عمر	Officer موظف	Directorate of Sebha مديرية سبها
Addokali Almakhzoom الدوكالي المخزوم	Head of Environmental Sanitation Department مدير إدارة الاصحاح البيئي	Bani Walid  بني وليد	Ibrahim Bendakhil ابراهيم بن دخیل	Director General - Dep. Environmental Safety مدير عام إدارة الاصحاح البيئي	MoLG 
Yousef Aljadk يوسف الجدك	Lab Technician فني مختبرات		Naday Abourawi ندى البوراوي	Lab Technician - General Administration فني مختبرات - الإدارة العامة	وزارة الحكم المحلي
Hesham Aldoukali هشام الدوكالي	Head of Environmental Sanitation Department مدير إدارة الاصحاح البيئي	Gharyan  غريان	Marwa Abuitbel مروة ابوطيبل	Lab Technician - General Administration فني مختبرات - الإدارة العامة	
Fatimah Alajilani فاطمة الجيلاني	Head of Laboratory Department رئيس قسم المختبرات		Osama Alrajhi أسامة الراجحي	REBUILD Coordinator in Libya منسق مشروع ريبيلد في ليبيا	REBUILD  مشروع ريبيلد
Abdulsalam Khouyt عبد السلام خيوط	Head of Environmental Sanitation Department مدير إدارة الاصحاح البيئي	Sebha  سبها	Lorenza Biasetto, Tiziana Bresciani, Jessica Colpo, Giovanni Gardelli, Mattia Gottardi, Ileana Olivo, Gloria Zanon		
Mukhtar Alazoumi مختار العزومي	Water Analysis Unit قسم تحليل المياه		Gianni Andreottola, Simone Cavazzoli, Guido Zolezzi		
Abdulmunem Fakroun عبد المنعم فكرون	Lab Coordinator منسق مختبر	Zintan  الزنتان	Abdullah Bataineh, Silvia Destro, Sandra Endrizzi, Munqeth Othman Agha, Stefano Rossi, Francesca Toniolo, Marco Tubino, Paola Zanon		
Rabeea Khalleefah ربيع خليفة	Lab Technician فني مختبرات				

AGENDA

Monday

January 27

- Opening session, presentation of participants, expectation on the Winter School
- **Local governance** in Trentino
- **Visit to the aqueduct**
NOVARETI
- Discussion on *drinking water distribution in Trento*

Tuesday

January 28

- Presentation on **water treatment** processes using semi-permeable membranes
University of Trento
- Management of urban **wastewater treatment plants**
ECOOPERA
- **Visit to the laboratories of environmental protection and control system**
Trentino Provincial Environmental Protection Agency

Wednesday

January 29

- Presentation of the **drinking water supply chain** in Trentino
APRIE, APSS
- Visit to **quality monitoring** laboratories
ECOOPERA
- Presentation on **water monitoring systems**
University of Trento
- Discussion on *management and control of water supply*

AGENDA

Thursday

January 30

- Visit to **Wastewater Treatment Plant 'Trento 3'**
ADEP
- Visit to **Wastewater Treatment Plant 'Lavis'**
ADEP
- Presentation on **quality standards** and
refinement systems for treated urban
wastewater for **agricultural reuse**
University of Trento
- Group work and discussion

Friday

January 31

- **Wrap-up** and **evaluation** of the Winter
School
- Conclusion of the Winter School and
way forward
- Prayer with the Imam

JANUARY 27



JANUARY 27



JANUARY 28



JANUARY 28



JANUARY 29



JANUARY 29



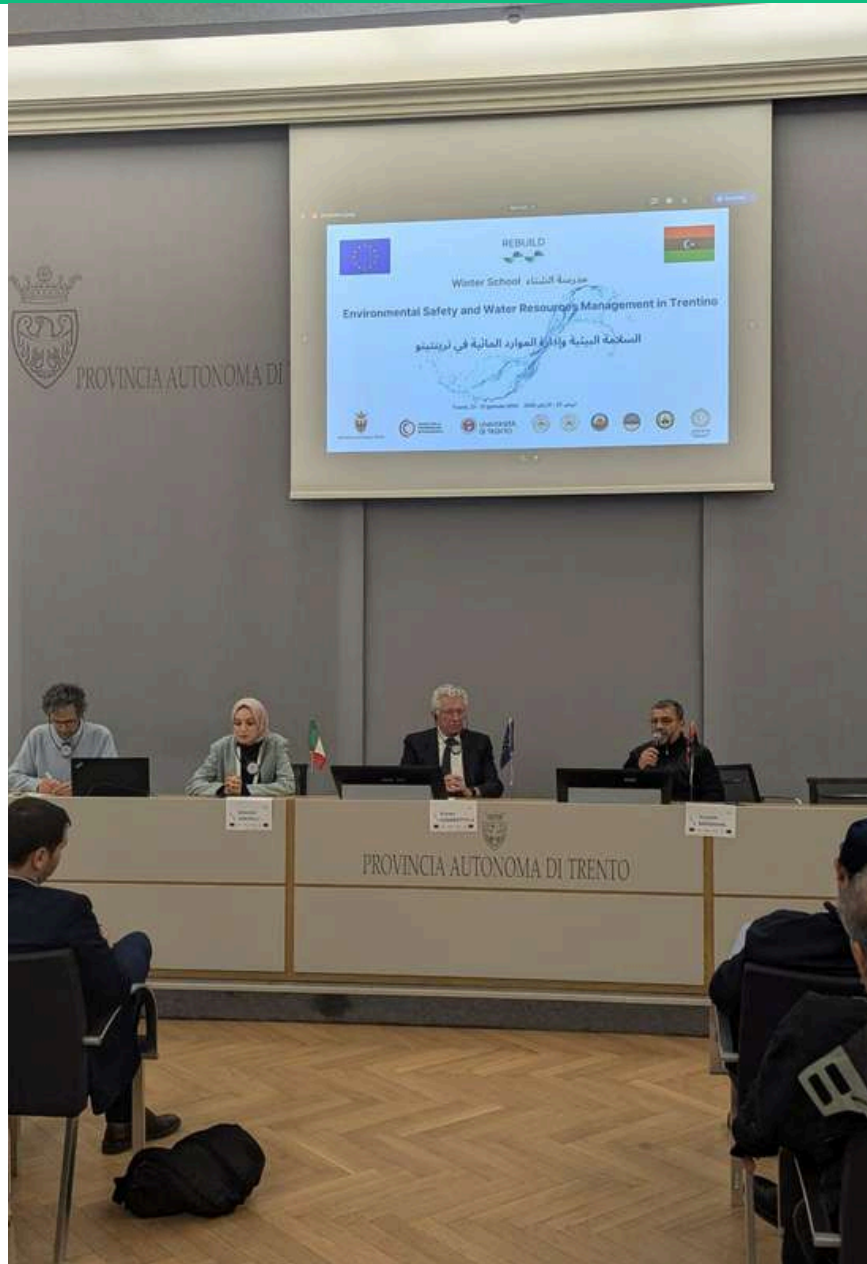
JANUARY 30



JANUARY 30



JANUARY 31



JANUARY 31



PORTRAITS





البحث والتعليم
لبناء
المؤسسات الحضرية
للتنمية المحلية



Research and Education
Building
Urban Institutions for
Local Development

EuropeAid/167744/DH/ACT/Multi
NEAR-TS/2020/422-410



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REBUILD is a project aiming at strengthening local public services in Libya through a permanent training mechanism delivered by Libyan universities to Libyan municipalities

يهدف مشروع **REBUILD** إلى تعزيز الخدمات العامة المحلية في ليبيا من خلال آلية تدريب دائمة تقدمها الجامعات الليبية للبلديات الليبية.

REBUILD

