



**The School of Water**  
*Dripping water hollows out stone*



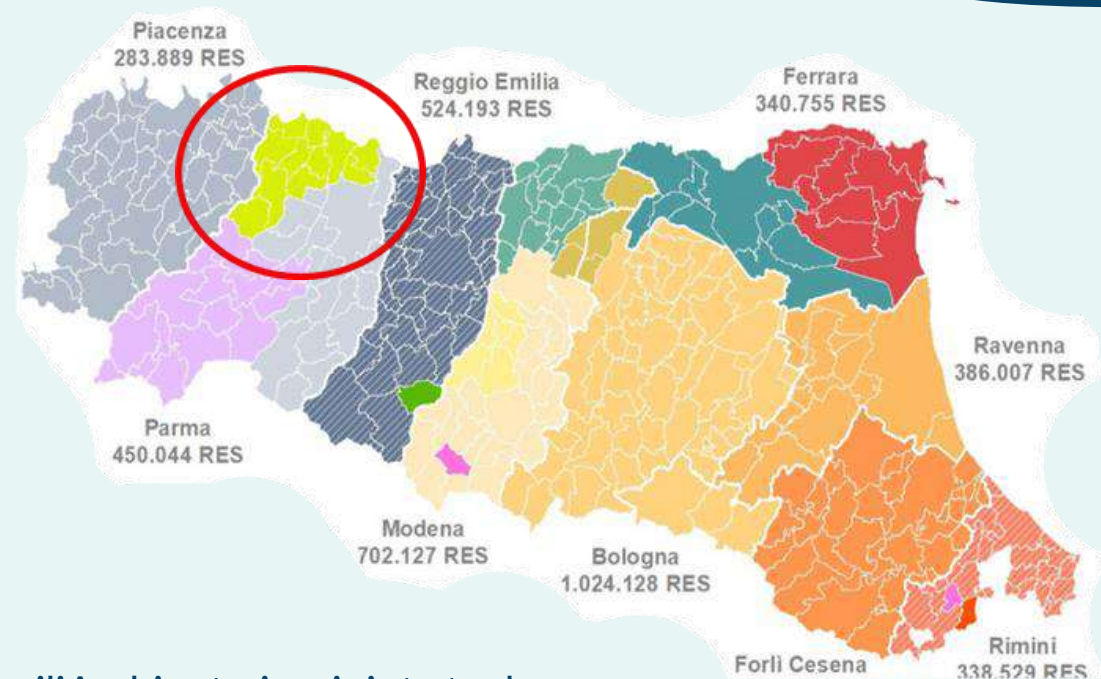
# ABOUT US...



emiliAmbiente

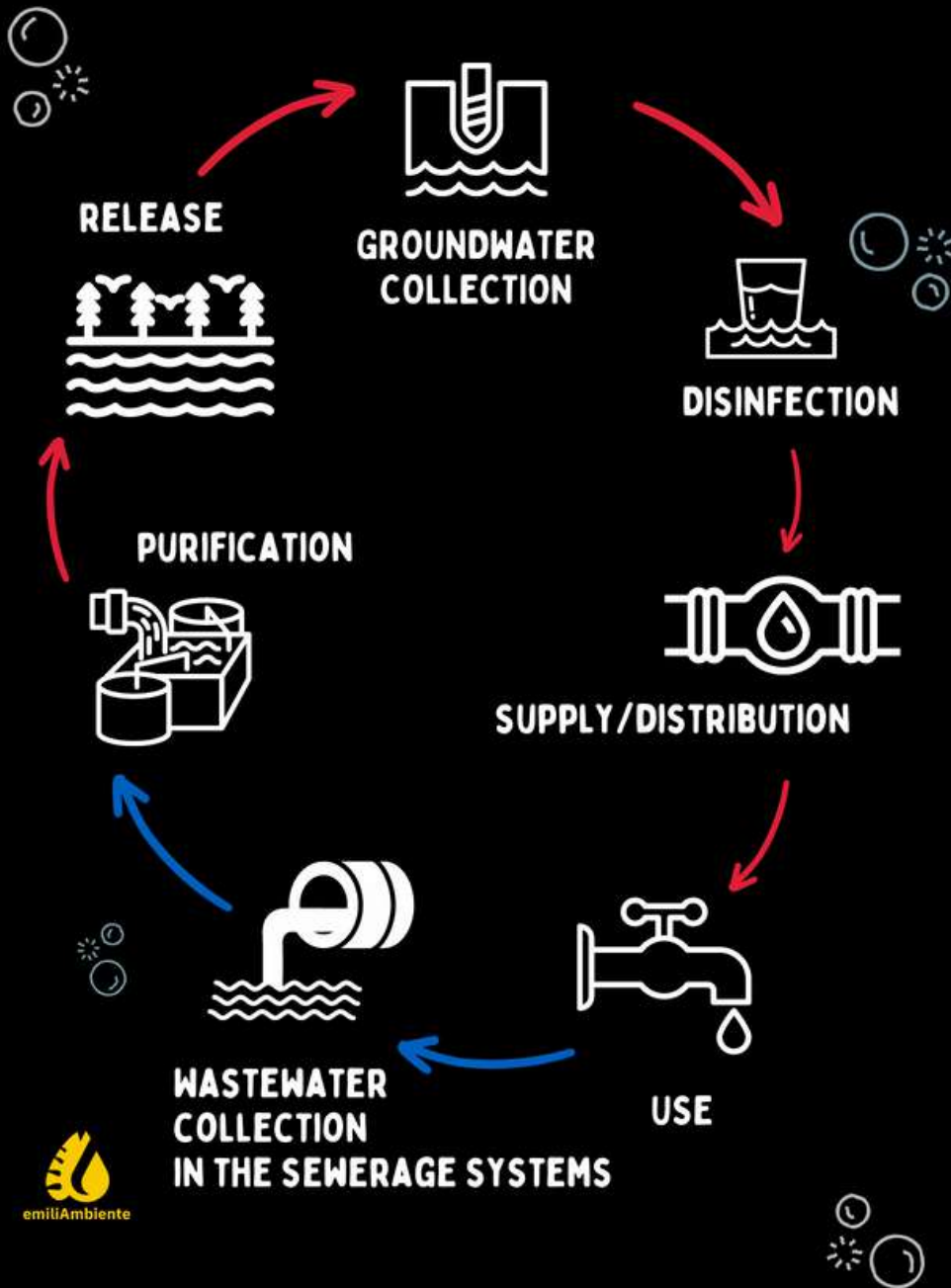
EmiliAmbiente manages the **Integrated Water Service** for 11 Municipalities of the Province of Parma, in Emilia Romagna, for a total resident population of **101,719 inhabitants**:

- Busseto
- Colorno
- Fidenza
- Fontanellato
- Polesine Zibello
- Roccabianca
- Salsomaggiore Terme
- San Secondo P.se
- Sissa Trecasali
- Soragna
- Torrile



EmiliAmbiente is a joint stock company (SpA), which is **owned by 15 municipalities** in the Parma area. Since its shareholders are **Public Bodies** – having a power of direction and control - it is defined as a "**publicly owned company**".

## OUR JOB: AN OVERVIEW



## THE I.W.S.

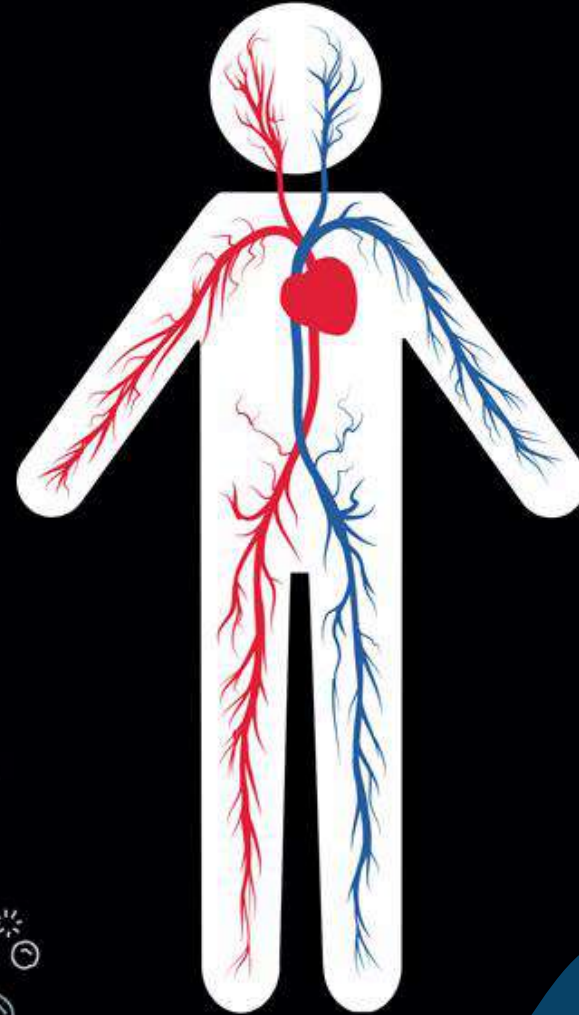
The **Integrated Water Service** is the set of services connected with the useful use of water resources for humans:

- **Groundwater collection**
- **Disinfection/purification**
- **Transport** (supply/distribution) to communal and household taps
- **Wastewater collection** in the sewerage systems
- **Purification and release of wastewater** without causing any damage to the ecosystem

## OUR JOB: AN OVERVIEW



... DOESN'T IT REMIND YOU OF SOMETHING?



# THE IDEA

The **infrastructures** we have created over time **have hidden the direct relationship between man and water**, leading us all to perceive **water as an unlimited resource and to take it for granted**.

It is now clear that **we can no longer afford to think like this**.

We are a **"publicly owned company"**: our very duty is to change things.

This is where the idea  
of the School of Water comes  
from!  
We feel like  
**Water Guardians**





# THE IDEA

The School of Water is our **Permanent Educational Workshop** on the topics of water resources, the hydrogeological cycle, the Water Service and its sustainable management.

Since 2014 it has been offering free guided tours, games, fun experiments, lessons and meetings in primary and secondary schools in the area.

It is the project with which we want to contribute to creating aware citizens, starting from school:  
***“dripping water hollows out stone”***

# THE PROJECT IN... DROPS

- Completely **free** for schools
- **Experimental**, playful, interactive approach, based upon **relationships**
- It proposes a **path**, rather than a single learning opportunity

 **10 editions**  
created

 **14.000 students**  
aged **6 - 18** involved

 **In 11**  
**Municipalities**  
in the Parma area

# WE ARE GROWING UP...

STUDENTS INVOLVED



**860**

EDITION 1  
S.Y. 2014-2015

**910**

EDITION 2  
2015-2016

**953**

EDITION 3  
2016-2017

**1059**

EDITION 4  
2017-2018

**1700**

EDITION 5  
2018-2019

**900**

EDITION 6  
2019-2020

**1650**

EDITION 7  
2020-2021

**2100**

EDIZIONE 9  
2022-2023

**1752**

EDITION 8  
2021-2022

**3136**

EDIZIONE 10  
2023-2024

...Despite the obstacle of  
the Covid pandemic



# THE EDUCATIONAL OFFER

[www.emiliambiente.it/scuola-dellacqua](http://www.emiliambiente.it/scuola-dellacqua)

Edition #10, school-year 2023/24

Fully in-person activities,  
tailor made for 3 levels of education:

- Primary
- Lower Secondary
- Upper Secondary

Over 105 registrations  
received,

## 3100

students involved  
in **143** workshops  
and **21** guided tour



## 18

**Classroom  
workshop  
proposed**



## 6

**Guided Tours  
in the territory  
proposed**



## Scuola dell'Acqua n° 10 (a.s. 23/24): la nuova offerta didattica!

Care insegnanti, cari insegnanti,

cliccando sui link più in basso potrete scoprire l'Offerta Didattica della Scuola dell'Acqua 2023/2024 per i 3 differenti gradi scolastici.

Come vedrete:

- Introduciamo **due nuove proposte per le classi prime e seconde della primaria** (rispettivamente "Magie d'Acqua" e "Sfida all'Ultima Goccia", entrambe impostate soprattutto sulla dimensione ludico-sperimentale) e **una per la secondaria di 1° grado sul tema "Dissesto idrogeologico: quanto rischi?"**
- Abbiamo **riprogettato tutti i laboratori** con l'obiettivo di **aumentare la parte pratica, sperimentale**, legata al gioco e alle attività di gruppo
- Esordisce, **in forma sperimentale**, una **nuova visita guidata per la secondaria di 1° grado**. Si chiama **"A Km zero: l'acqua di casa nostra"** e ci sembra interessante per tre motivi: sarà progettata su misura della singola scuola; sarà per i ragazzi uno strumento di lettura/scoperta del paesaggio "di casa", quello in cui trascorrono la vita quotidiana; tenderemo di individuare luoghi raggiungibili senza necessità di mezzi pesanti, facendo del bene all'aria che respiriamo...e probabilmente all'umore degli insegnanti, per cui la gestione del tema "pulmino" è spesso problematica. **NB: date le esigenze progettuali e organizzative di questa proposta, limiteremo la sua disponibilità a un numero ristretto di classi**, con l'obiettivo di estenderla nelle prossime edizioni in caso di buona riuscita
- **Proseguiamo infine sulla strada delle proposte integrate** (laboratorio in classe + visita guidata, oppure video lab + laboratorio in classe), in modo da offrire un percorso, più che un'occasione singola di apprendimento.

SCUOLA PRIMARIA

SCUOLA SECONDARIA DI 1° GRADO

SCUOLA SECONDARIA DI 2° GRADO



# SOME TITLES: THE WORKSHOPS...

- *"From the aquifer to the tap... and back"*
- *"Pollution: the earth absorbs everything!"*
- *"Plastic? Please no!"*
- *"Ready, steady, go: 2030!"*
- *"Water: do we really know it?"*
- *"Water under the microscope"*
- *"Change course! Plastic and sustainability"*
- *"Hydrogeological instability: how much do we risk?"*
- *"Sustainable development: let's do our part!"*
- *"Water quality: from our homes to the environment"*
- *"Blue Gold: the Water Footprint"*
- *"Water as a common good: who, what, how and why"*
- *"The world turned upside down: water, rare earths and oil"*
- *"Sustainable development: going g-local"*





## ... AND THE GUIDED TOURS

- “Trip to the Waterworks”
- “Tour in the flood bed”
- “Discovering Biodiversity”
- “The Secrets of the Resurgences”
- “River, how are you?”
- “Mile-zero: our own water”



# THE MATERIALS

## 24 video-labs

- subdivided in 3 grades
- freely accessible on Youtube
- usable to enrich the in-person experiences

*Full playlist on EA Youtube Channel*

- The water cycle... in a bag
- Pollution
- How much water is there on earth?
- It's easy to say... earth!
- Let's build a fountain
- The ball and the boat
- The magical flower...
- Plastic islands
- Water: how much of it do I use (and how much do I waste)?
- Hidden water...
- Water and oil: in-house separation
- Communicating vessels: this is how it works!
- The water footprint
- The secrets of the resurgences
- Purification
- Clean Water Bottle operation!
- How much plastic are we wearing?
- Water as a common good
- Sustainable Development: what does it really mean?
- Blue gold: the water footprint?





# THE MATERIALS

**The Educational Notebook**  
about the hydrogeological cycle  
and the Water Service

**Slides and graphics**  
used during the workshops, which are sent to  
the teachers immediately after the activities

**The EmiliAmbiente Water Bottle**  
starting from 2021 it has been given as a gift to the  
entire school population of the 11 municipalities  
served. This gesture is an invitation to reflect on the  
quality/safety of tap water as well as a contribution  
to the reduction of plastic waste

1

"We have a little of it..."

### Video-lab "How much water on earth?"



### The Educational Notebook



4

2

"How can we manage it?"

### Classroom workshop: "From the aquifer to the tap...and back"



- Team game: "The Travel of Water"
- Building an aquifer in a jar...
- Final Quiz

3

### Guided Tour "Tour to the Waterworks"

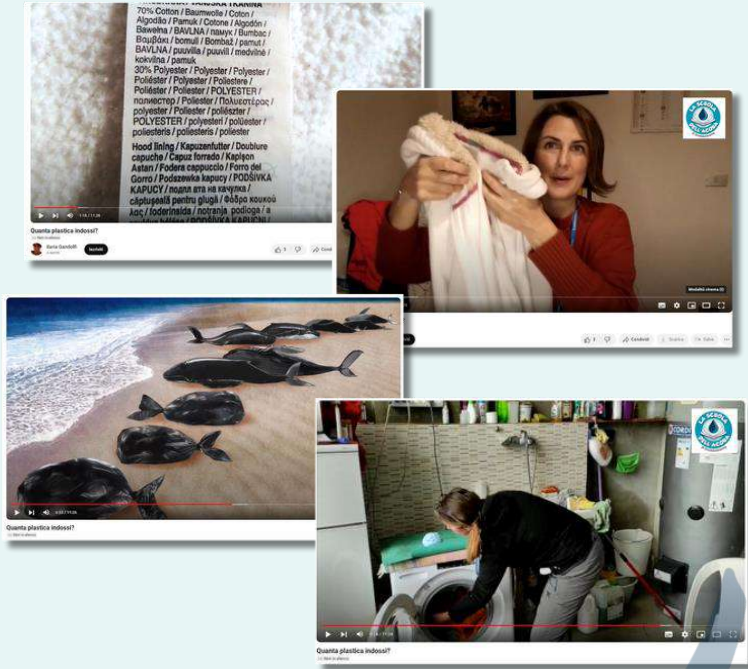
"...Now let's see it with our eyes!"

- Water collection plant
- Purification plant
- Scale model



1

## Video-lab "How much plastic are we wearing?"



2

## Classroom workshop: "Change course: plastic and sustainability"



- What really is plastic? And microplastics?
- Which is their impact on the hydrogeological cycle?
- How can we give our own contribution?
- Team Game: "How much plastic are we wearing? And how much nature?"

3

## Guided Tour "Mile-zero: our own water"

- Tailor-made destination, reached on foot or by public transport (no heavy vehicles)
- Water analysis
- ...Plastic Water forbidden!





# NOW... LET'S GO TO THE CLASSROOM!



<https://youtu.be/uGKy7r3K5j8>

<https://youtu.be/9XDUUjEErHo> (short version)

# TAILOR MADE FOR THE SCHOOLS

- Already at the end of the first edition the educators, the secretariat of the project and the teachers involved gathered in an **Educational Table: objective, updating and constant improvement.**
- From 2016 to today, as participation grows, all the teachers involved are invited to answer a **detailed evaluation questionnaire** and the results obtained represent the starting point to plan the next edition

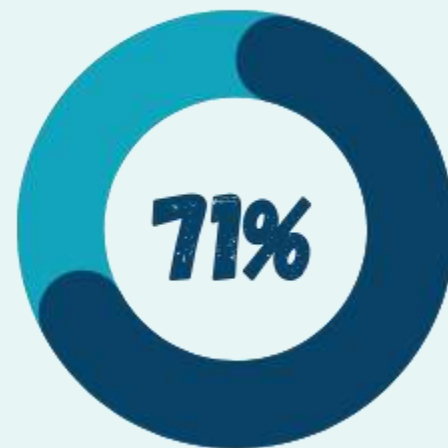
In edition #9, by way of example,  
the **55 teachers involved**  
positively evaluated **the teaching offer**



**SUFFICIENT**



**GOOD**



**EXCELLENT**



# MOVING FORWARD...

- On the occasion of the School's tenth year of activity, we decided to **open** it to the contribution of the entire **community**: we started working to seek **partnerships** with businesses, credit institutions, universities, companies or foundations
- We know that our territory is home to small and large **excellences**, also in terms of **sustainability**; we would like to **encourage** them, **highlight** them, **bring** them closer to both schools and families
- **We want to contribute to building a "Culture of Water "**
- A shared set of values in which all the players can recognize themselves for what they are: **Guardians of Water**
- Each for their own part, but necessarily **together**



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