Water Safety and Sanitation Plans

A project developed at "George Gârda" Middle School in Mănăștiur

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This action plan proposes the involvement of children in monitoring drinking water quality, using the sanitary facilities at "George Gârda" Middle School and protecting the environment in Mănăștiur Village

Program goals:

- Understanding the water supply system and its pollution risks;
- ☐ Understanding the link between the sanitary system, hygiene and health;
- □ Increasing the awareness about possible water-transmitted diseases;

- Achieving knowledges about the quality of local drinking water and sewerage system;
- □ Achieving knowledges about the seasonal fluctuation of nitrates concentrations in water;

- □ Raising the awareness about the link between water quality and the environment;
- □ Raising the awareness about potential health risks due to unsafe drinking water and insufficient sanitation;
- Environmental
 awareness of children
 and citizens by active
 participation;
- Cooperation with local authorities and other stakeholders;
- Education of youngsters and locals.

The,,George Gârda" school in Mănăștiur

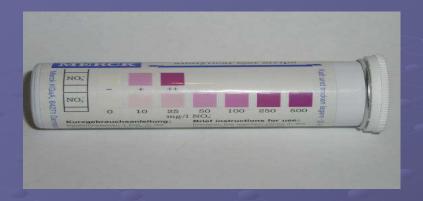
- 25 children in kindergarten Remetea Lunca;
- 40 children in kindergarten Mănăştiur;
- 130 pupil;
- 17 qualified teachers;
- It has a tradition of 175 years;
- It has been modernised beginning with 2007.



Pupils gathered information about:

- Available infrastructure: streets, rivers, public institutions, schools, residential areas and agricultural areas;
- Location of the water sources: fountains, public taps, artesian wells, emplacement of the pipe network;
- Connected population or dependent to other sources;
- Types of supply: pumps, wells or drillings;
- Bega river flowing direction;
- Different layers or used water sources, their depth;

Risk assessment and water testing

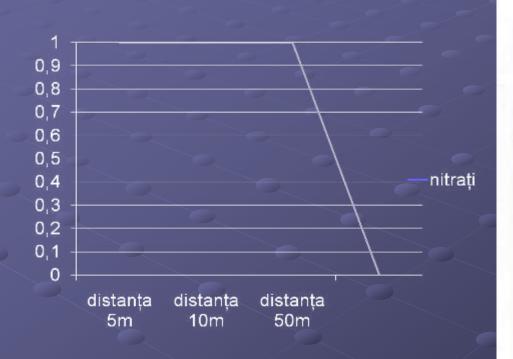


Quick tests





Risk assessment using sanitary control questionnaires



	Informatii despre respondent: Vilente: 3 4 M D F/S W. personnelor din gospottirie 4 Adresu: Recounte: Laures , vol. 21 , Satul/Comman Recounte: Live 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Π		DA	HU.	Alt rilspuns	Observații
1.	Amp in cesi api curenti de la . repor?	×			90/11000 (5)
2	Ce altă sursă de apă foloați?			Ma mai calasima	
¥.	De câtă apă aveți nevoie pentru consumul plnic în grapodânie?			50 1240	
R	Extr intorchusess sufficient5 spli disposibilit?	×			
5	Colitation applieste band?	×			
6	Darif ras, argumentați de ce ras.				
7	Tratati suu fierbeti ago de bûst?		8		
2	Dummercustră seu familia dez, ati avet wroodată probleme de cândrate din cassa calității apei? thacă da, cânst și în ce lie?		×		
9	Folositi apă îmbuteliată? Dacă da, căți litri pe zi?		×		
10	Avetji apometni?	8			
11	Cilt piditti hasar pentru consumuli de apli?			soulii Letrina	
12	Ce tip de toaletă aveți (latrină unu toaletă cu spătarej?			Lebrina	
13	Apa usată resultată din gespodăria dve, este tratată?		*		
14	Core sunt sugnetifie dvs. referitoure le alimentarea cu apil petablik a gespodânici shammoreanică?				

About water

Density

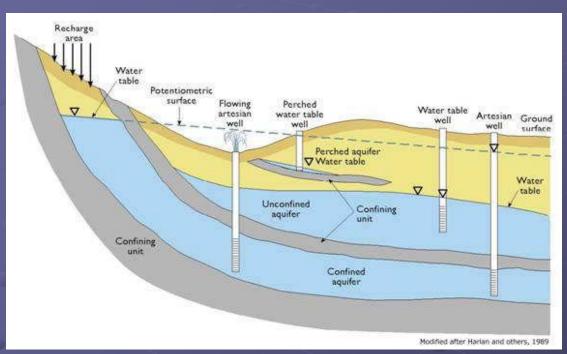
State of aggregation

Specific heat

Polarity

pH

Underground Water



The springs or the artesian wells, whose existence is due to pressure underground water pushing the water to surface without pumping

Hand washing: the most important component of personal hygiene





Interactive hand washing exercise

One pupil received a little lotion and "glitterbug" powder to apply on his hands. The pupil then shook hands with the others and touched two desks, then they all washed their hands.





Using an UV lamp, we detected the places where the bacteria spread and if the pupils washed their hands correctly.

he surfaces that haven't been properly washed shone.

Toilets in school

- are enough in number, placed to ensure intimacy;
- are not correctly used by everybody;
- We discussed about the negative aspects;
- We found solutions for solving them;
- We learned to keep the toilets clean.

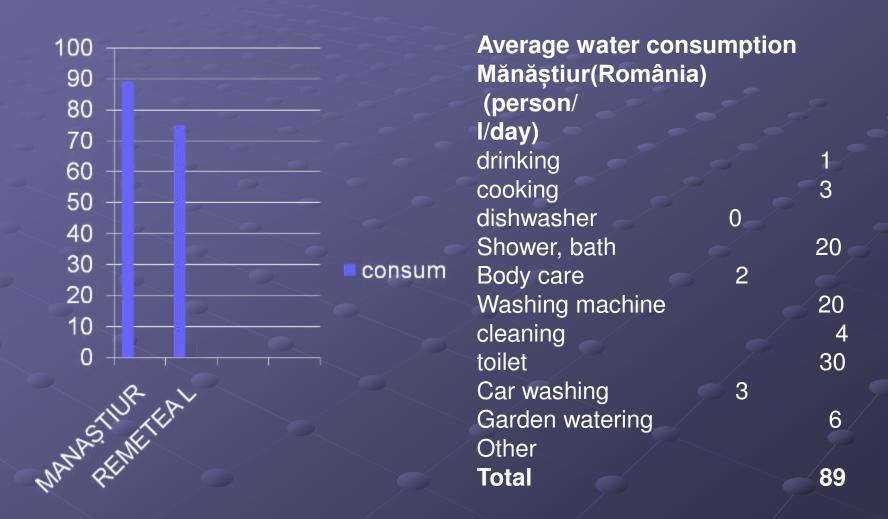


Information regarding the water print

- ♦it takes 1300l of water to produce 1kg of flour
- it takes 15500 l of water to produce 1 kg of beef

blue jeans (1 000g)
 contain 10 850 I of
 virtual water

Calculate your water print :



Elaborating an action plan

The project is still in progress – we are now in the working at analysing the results, asessing the strenghts and weeknesses of the system and elaborating a viable action plan



Thank you!

