

## Article

# Moldovan network of rural volunteering centers for water

Petru Botnaru

Găleşti, Strășeni, Republica Moldova, MD 3717. E-mail: [terra1530@gmail.com](mailto:terra1530@gmail.com). Tel. +373 69126480. Fax +373 23746565

Accepted 12 August 2008

Drinking water crisis is a present day's problem especially for Republic of Moldova, mostly for the rural localities, which represents more than a half of country's population. Only 17 of them have aqueducts, 67% of which are in a miserable situation and don't fit the hygiene standard. The populations in the rest of the rural localities make their water supply from wells and springs, the majority of which are polluted with pathological bacteria. The Republic of Moldova is a member of the group of European countries with the lowest degree of supplying with drinking water. Only the population of Chisinau city and other towns receive continually the necessary amount of relatively qualitative water. The rural inhabitants access to qualitative drinking water can't be presently satisfied because of the low income level (20-25 USD for person per month) and also because of lack of money in local and state budget. Important financial sources are needed, and they can only be offered by international financial organizations and by donor country governments. In rural localities, in such difficult situations water sources are not protected, people don't know water quality and for example Hepatita A cases rise year by year.

## Project purpose and objectives

**The endowing with the technical equipment of the centers for water in 2 rural localities Republic of Moldova: Ghelauza, Galesti (Straseni district).**

**Objectives** : Consolidate partnership with Local Public Administration, business, NGOs to resolve problem construction of centralized water supply systems; to create an European/International Rural Water Volunteering Centers' Network; develop of rural associative sector (Association of Water Consumers) (Table 1). The Moldovan Network of Rural Volunteering Centers for Water is the first in Republic of Moldova history. Till nowadays no one informed rural population about water quality and pumps were created chaotic in the fields. The local administration did not liquidate the garbage that was near the water sources. Population didn't know elementary information about negative impact that can bring the polluted water which they used in alimentation. Nowadays situation is different. Day by day nature has more friends because of the Moldovan Network of Rural Volunteering Centers for Water; independent publications "Adevarul" (Truth) edit special editions with ideas, solutions, ways to resolve water problem in community etc.

- Water quality control permanently.
- Ecological monitoring of pumps wells etc

- Volunteers, informational change with abroad partners
- To create a European Rural Water Volunteering Center' Network
- To consolidate partnership with NGO-business-public local administration
- To consolidate managerial capacities of Association of Water Consumers founders
- To organize local, regional Forums for Water (every year).

As part of the Moldovan Network of Rural Volunteering Centers for Water we realized the monitoring of aquatic macro invertebrates at the Bucovat stream from Vorniceni village, Straseni district, Republic of Moldova. In this activity we involved a group of ecological volunteers. Aquatic monitoring includes observations, estimates and forecasts of an aquatic system for a period. It is a good way how many an aquatic sources is polluted due to living being from river or stream.

The monitoring at Bucovat stream was done together with an expert help, Mrs. Zubcov Elena, Doctor Habilitation in biology, professor, Institute of Zoology of Academy of Sciences, Republic of Moldova, who told us a lot of new things about aquatic macro invertebrates, about causes of pollution and ways of resolving this problem.

First the volunteers obtained information at theoretical part and then together with the expert we went to the

**Table 1.** Budget details (Euro) for Project Activities

No.	Name of activity	Description	Place	Accomplishment term	Responsible person
1.	Water quality control	Preventive Medical Centre, Straseni	Vorniceni Galesti etc	permanently	Petru Botnaru
2.	Ecological monitoring of pumps wells	Preventive Medical Centre, Straseni	Vorniceni Galesti etc	permanently	Petru Botnaru, Vioroca Budu,
3.	The contest for best essay and poster.	Ten conditions will stipulate the participation of youth having the age 16-18 years old.	“Adevarul” editorial	Mart 2009	Petru Botnaru, Viorica Budu, Ion Rodideal
4.	“Adevarul” publication.	There evil be published three numbers with a circulation of 1500 copies.	“Trigraf-Tipar” Printing-Press	3 months 2009	Petru Botnaru
5.	Aquatic monitoring macro invertebrates	Aquatic monitoring includes observations, estimates and forecasts of an aquatic system	Bucovat stream	April 2009- June 2009	Viorica Budu, Petru Botnaru
6.	Water caravan unfolding in the main localities of the Republic	The members of the teams evil visit 10 rural localities of RM etc	10 localities of RM	April-march 2009	Viorica Budu, Petru Botnaru Elena Zubcov
7.	Uncentralized water sources equipping	“Terra-1530” NGO will perform some construction and equipping Everex.	Straseni district	June-July 2009	Petru Botnaru Elena Zubcov
8.	First Moldavian Water Youth Parliament unfolding.	The First Parliament evil rally about 120 participants from all the main rural localities of Moldova.	Chisinau sity	August , 2009	Viorica Budu, Ion Rodideal, Petru Botnaru Elena Zubcov

**Table 2.** Budget details (Euro) for Project Activities

Item	Description/details	Total	Donors	Terra-1530
Printing costs -Adevarul (Truth)	Subscribers number 12,000.00 ex. Format A4, 4 pages, 115 gr./m	2,184.00	2,184.00	0.00
Tel, Internet, fax	12 monthsx15	180.00	180.00	0.00
Information board	1300x2200x2000x900	200.00	200.00	0.00
Transportation	12 months	600.00	600.00	0.00
Computer – 6	Intel Celeron, RAM, 3,5” 1,44 MB, 40 GB, CD ROM 24x12x40xATX 300W	3,600.00	3,600.00	0.00
Design	6 numbers	360.00	0.00	360.00
Survey	1.000 ex.	1,000.00	0.00	1,000.00
Headquarters for 2 Volunteering Centers	The first is opened in Vorniceni village and has 42 m <sup>2</sup> and the second in Galesti commune has 50 m <sup>2</sup>	15,000.00	0.00	15,000.00
<b>TOTAL</b>		<b>23,994.00</b>	<b>7,634.00</b>	<b>16,360.00</b>

Bucovat stream. Mrs. Zubcov taught volunteers how they have to check water temperature, to see how much

oxygen water has and others interesting things. Than with a special net volunteers caught the living being from

from the stream to establish how much insects species live in the stream and to determinate if the river is polluted. Our next activity will be the monitoring of aquatic macro invertebrates in Lozova village, where the Bucovat stream starts. (Table 2).

In 2003, the year when it was decelerated in Vorniceni village, Moldova, it was an exceptional situation because the "Ion Inculeț" lyceum was identified on 75 cases of Hepatitis A. Doctors reported that the cause was as a result of low quality of drinkable water. In the future are expected other cases of disease because the lyceum is not assured in centralistic way with water. More than that – there is a danger of new epidemic, because until nowadays the lyceum has no centralized water and it results no elementary studying conditions. The MNRVCW will make an important contribution to the achievement of the Millennium Development Goals, to all of which water plays a crucial role.



**Appendix.** The monitoring of aquatic macro invertebrates at the Bucovat stream from Vorniceni village, Straseni district, Republic of Moldova. Our next activity will be the monitoring of aquatic macro invertebrates in Lozova village, where the Bucovat stream starts.

