

**Safe Water Program – Nepal – Yearly Status Report  
(based on ECCA’s 2015 report received on February 13, 2016)**

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**1. Project objectives**

The overarching goal is to improve the hygienic environment by providing safe drinking water to schools and related local communities.

**2. Key Figures**

Number of schools benefiting from program:	25
Number of beneficiaries in schools:	9'445
Estimated total number of beneficiaries (in schools, family members of WATASOL purchasers in and outside schools):	53'092
Number of WATASOL bottles sold in schools:	4'103
Number of WATASOL bottles sold within communities:	5'447
Number of WATASOL bottles distributed for free:	> 12'000

**3. Executive summary project results**

For 2015, ECCA mainly focused on facilitating / supporting the promotion activities designed by the nature clubs of the various schools.

The severe earthquakes in April and May 2015 in Nepal have of course had a major impact on ECCA’s work and the importance of safe water has been proven even more important. Out of the 25 project schools, 13 suffered damages in their water facilities and priority has been given to their reconstruction using the funds received separately (concert money and other donors). The day after the first earthquake, ECCA started the production of WATASOL, stabilized it and distributed it for free. Over 12'000 WATASOL bottles have been distributed until the end of 2015. Additional activities, such as “WASH and Life skill camps” were organised by ECCA in order to bring some relief to traumatised children.

Despite these tragic events, all five new schools planned have been on-boarded on our Safe Water Program. Almost all targets related to the program’s activities have been reached or even exceeded. The main reason for results below target were due to the earthquake’s consequences, in particular the number of WATASOL bottles sold within the schools. On the one hand, the purchasing power in the 20 existing schools is low. On the other hand, the five new schools in the Kavre district are located in one of the most affected regions by the earthquake, which explains the high number of WATASOL bottle sales. The total number of WATASOL bottles sold within the schools amounted to over 4'100, whereof 28% within the newly on-boarded schools. The number of bottles sold within the surrounding communities totals 9'550 for 2015. Within the schools, over 9'400 people have access to safe water on a permanent

basis. Finally, numerous community outreach programs<sup>1</sup> and capacity building, as well as awareness raising activities have been performed. The program confirms that students and youth are an effective medium to raise awareness on safe water within the population.

In conclusion, we are very happy to be able to work with ECCA as our local partner and to achieve such positive results.

#### **4. Project Background**

Environmental Camps for Conservation Awareness (ECCA) has been promoting Safe Drinking Water Campaign in Nepal by using Antenna's WATA electro-chlorinators for several years already. After introduction of the program in 20 schools during the pilot project conducted during 2012–2014, the "Safe Water Program" has been reconducted in order to extend it to 15 new schools over the time period 2015–2017, reaching a total of 35 schools supported by dropforlife. The schools integrated in the program over the previous years continue to be accompanied.

Additional funds received for ECCA are mainly destined to water related infrastructure repairs and constructions. This got even more important after the two major earthquakes in Nepal in April and May 2015.

#### **5. Key Take-aways based on the first year report (January–December 2015)**

##### **a. Results and achievements**

- On-boarding of 5 new schools
  - o Baseline survey
  - o Water quality tests in 6 schools for a selection of 5 (one school with Nitrate traces removed, as other water treatments are necessary, out of scope for ECCA)
  - o 2-days trainings on use of WATA device, including quality control, distribution mechanism, social promotion and preparation of a yearly plan for activities to be implemented within the school and community
- 2 WASH and Life Skill Camps from dropforlife project money and additional 13 ones with support from other donor agencies after the earthquake
- Distribution of more than 12'000 WATASOL bottles for free as schools with infrastructure damages were not able to produce themselves anymore and many families are still in precarious situations after the earthquake
- The total number of beneficiaries within the schools amounts to an average of 9'445, 92% of initial target. The difference is mainly due to the smaller number of students in 5 schools (below 200, average expected 300)
- The target of WATASOL bottles sold to students and staff of schools has reached 80% overall, whereas the result for the new schools is proportionally much higher than the existing ones;<sup>2</sup> the numbers are highly impacted by the consequences of the earthquake on families financial situation and the urgency for safe drinking water
- The sale of WATASOL bottles within the community was a real success for the new schools with a total of 832, especially compared to the number of bottles sold within communities of the existing 20 schools (over 4'600 bottles); the main reason being that the new schools are located in Kavre, which was one of most impacted regions by the earthquakes

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<sup>1</sup> Community outreach programs included activities such as door-to-door programs, WATA stalls, documentary shows, Hand Washing Day activities and street drama

<sup>2</sup> Refer to appendices 1 & 5

- All targeted refresher trainings (20) have been conducted
- Water quality tests have all exceeded the targeted numbers; globally, a majority of the test results were positive
- On the awareness building activities, the ones within the schools have largely exceeded the yearly target, the community programs were slightly below target (48 out of 50); community programs are usually conducted in the second stage, after the first training of students; the earthquake and its consequent closing of the schools for more than 1.5 months delayed this part of the project work
- Within the 25 schools, 5 water tank installations and 7 sanitation corners have been completed<sup>3</sup>; one sanitation corner is in progress and one delayed
- Three WATASOL exhibitions were organised
  - o At the Adarsha Vidya Mandir Secondary School
  - o On World Water Day (March 22, 2015), Bagmati Photo Exhibition at Mangalbazaar, Lalitpur to sensitize public about the deterioration of Bagmati River, and stall to disseminate the information about safe drinking water and the use of WATASOL
  - o Stall at National Trust for Nature Conservation (NTNC), Khumaltar during First Graduate Conference on Environment and Sustainable Development 2015
- 13 door-to-door campaigns sensitizing the community on the use of safe water and sanitation practices
- 3 documentary shows
- 8 street drama performances
- Other activities, such as
  - o School Interaction Programs held on February 13 and 20 at ECCA with the participation of teachers from different schools; the aim was to define the WASH program for the coming (school) year, based on the Environmental Friendly Local Governance Indicator<sup>4</sup>; Safe Water Manuals and Yearly Planners 2015 were distributed for planning, implementation and tracking of the schools' programs
  - o World Toilet Day on November 19, 2015 included a street drama performance by the Nature Club of Lalit Kayan Kendra Lower Secondary School at the public courtyard of Mangal Bazar and the set-up of a WATASOL stall by students from Bal Vinod Secondary School's Nature club, followed by a flash mob performance by ECCA counsellors and volunteers
  - o Global Hand Washing Day on October 15, 2015 with a celebration at St. Paul Secondary School, Thecho, where 215 students learned the steps of hand washing and a flash mob performance by ECCA counsellors and volunteers at Mangal Bazaar, Lalitpur for a large public
- Follow-up and monitoring visits were conducted on a regular basis
- A various number of additional activities have been possible thanks to local contribution and third party support, such as:
  - o Regular WATASOL production from the Mini WATA devices available in the schools, WATASOL bottles filling and distribution among students, teachers and in the communities, etc.
  - o 13 clean-up programs
  - o 2 street drama performances

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<sup>3</sup> Refer to appendix 3 for detailed list

<sup>4</sup> Nine Indicators: Clean toilets with water, Hand washing station with soap, Safe drinking water, Personal Hygiene, Greenery and Beautification of school, Rain water harvesting, Plastic bags control, Waste Management and Establishment and Implementation of Nature Clubs

- 18 competitions held within the schools for building up capacity on the necessity of water and sanitation
- Monthly Wall Magazine, aimed at increasing knowledge sharing
- 10 Orientation programs by Nature Club members within their respective schools
- 7 WATASOL stalls
- Resource Material design and printing
- WASH and Life Skill Camp / Refresher Trainings (3 days) in 13 dropforlife project schools for a total of 2'218 students
- According to reporting received February 13, 2016, CHF 9'380.67 of CHF 10'000.00 allocated to the core program have been used, thus leaving a spare amount of CHF 619.33 to be used for the remaining time of the project
- For the two additional donations (CHF 5'000 from one individual, to be used over three years, and CHF 1'355.40 from money raised through concert), CHF 1'660.70, respectively CHF 647.36 have been spent so far
- The third additional donation from various donors (CHF 2'300) has been used up to CHF 1'182.52 for water related infrastructures
- Overall, we are thus well on track from a budget point of view

**b. Key challenges / corrective measures taken**

- The severe earthquakes have impacted activities and also damaged water infrastructures in the schools; additional funds have therefore mainly been directed towards repair expenses for those facilities
- The unstable political situation after the promulgation of the new constitution on September 20, 2015 and the subsequent disturbance in the Nepal-India border for approximately 4 months, had the consequences of fuel and other essential materials not entering Nepal; thus, unavailability and/or high prices for construction material delayed the reconstruction work
- Due to the earthquakes, many families are still in a precarious situation and WATASOL bottles are thus still distributed for free to those families in need

**c. Next phase steps**

- On-boarding of 5 new schools and continuous accompanying of existing schools in dropforlife project.

**d. Quality of ECCA's report**

- The report provides comprehensive information on all the activities related to the project. Whereas some information could be further summarised, other information gives valuable insight on the impact of behaviour and benefits thanks to the project. The new reporting templates agreed upon signature of the agreement have been used.

**6. Appendices**

1. KPI Tracking
2. Detailed list of water infrastructure repairs and constructions
3. Financial overview with budget versus actual expenses<sup>5</sup>
4. Exchange rate calculation<sup>5</sup>
5. School overview with details on beneficiaries and WATASOL bottles sold<sup>5</sup>

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<sup>5</sup> Not published on our website, but available upon request

## Appendix 1a – KPI Tracking

### KPI Tracking - Sate Water Program - Phase II (2015 - 2017)

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<b>Schools</b>									
	2015			2016			2017		
	Target	Result	Success rate	Target	Result	Success rate	Target	Result	Success rate
Previous schools	20	20	100%	25		0%	30		0%
New Schools	5	5	100%	5		0%	5		0%
Total Schools	25	25	100%	30		0%	35		0%

<b>Students &amp; Staff</b>									
	2015			2016			2017		
	Target	Result	Success rate	Target	Result	Success rate	Target	Result	Success rate
Within previous schools	8800	8201	93%	10300	0	0%	11800	0	0%
Within new schools	1500	1244	83%	1500	0	0%	1500	0	0%
Total number of students & staff	10300	9445	92%	11800	0	0%	13300	0	0%

<b>Use WATASOL / Bottles sold</b>									
	2015			2016			2017		
	Target	Result	Success rate	Target	Result	Success rate	Target	Result	Success rate
WATASOL bottles sold within existing 20 schools	4778	2947	62%	5016	0	0%	5267	0	0%
Within new schools onboarded in 2015	375	1156	308%	495	0	0%	750	0	0%
Within new schools onboarded in 2016				375	0	0%	495	0	0%
Within new schools onboarded in 2017							375	0	0%
Total number of WATASOL bottles sold to school staff/students	5153	4103	80%	5886	0	0%	6887	0	0%

	2015			2016			2017		
	Target	Result	Success rate	Target	Result	Success rate	Target	Result	Success rate
WATASOL bottles within communities of existing 20 schools	3843	4615	120%	4035	0	0%	4237	0	0%
Within communities of schools onboarded in 2015	42	832	1997%	156	0	0%	500	0	0%
Within communities of schools onboarded in 2016				42	0	0%	156	0	0%
Within communities of schools onboarded in 2017							42	0	0%
Total number of WATASOL bottles sold within communities	3885	5447	140%	4233	0	0%	4935	0	0%
Total number of WATASOL bottles sold	9037	9550		10120	0		11822	0	

<b>Trainings</b>									
	2015			2016			2017		
	Target	Result	Success rate	Target	Result	Success rate	Target	Result	Success rate
Training / orientation for teachers & students in new schools	5	5	100%	5		0%	5		0%
Refresher trainings for existing schools	20	20	100%	25		0%	30		0%

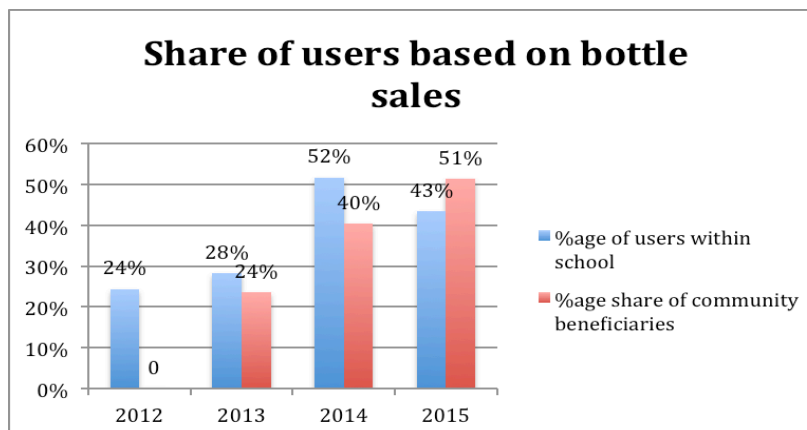
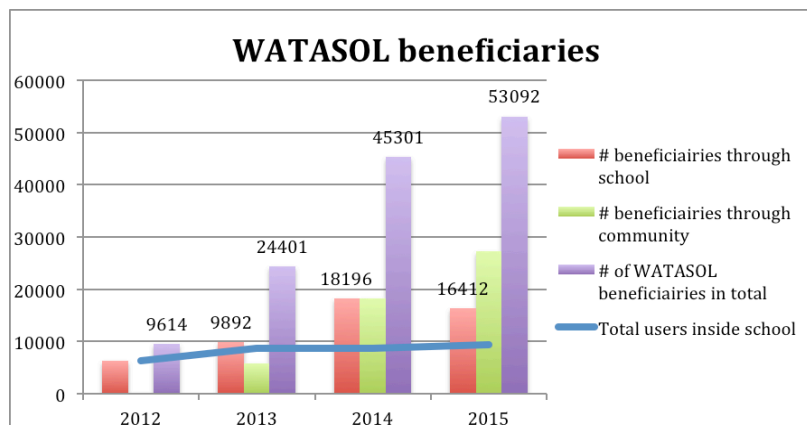
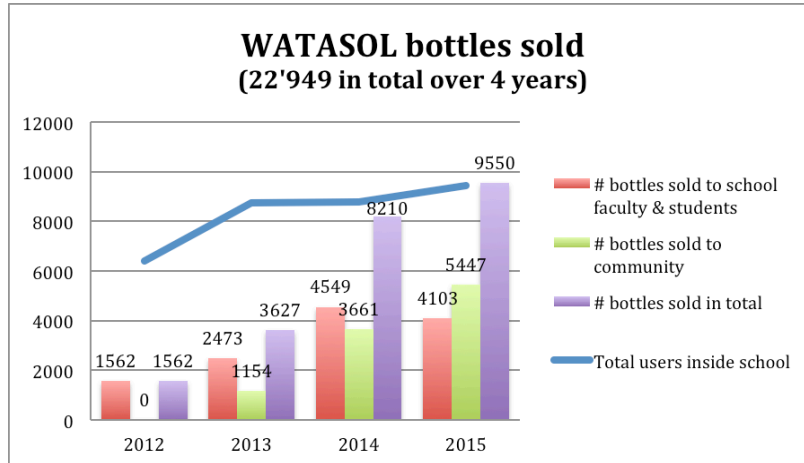
<b>Water quality tests</b>									
	2015			2016			2017		
	Target	Result	Success rate	Target	Result	Success rate	Target	Result	Success rate
Full water quality test for new schools	5	6	120%	5		0%	5		0%
Coliform tests	500	505	101%	600		0%	700		0%
Free Residual Chlorine (FRC) tests through random sampling	300	326	109%	360		0%	420		0%

<b>Awareness raising events / activities</b>									
	Target	Result	Success rate	Target	Result	Success rate	Target	Result	Success rate
	Capacity building and awareness raising among students (e.g. various competitions, wall magazine, etc.)	12	26	217%	12		0%	12	
Community outreach programs	50	48	96%	50		0%	50		0%

<b>Water related infrastructures</b>									
	2015			2016			2017		
	Target	Result	Success rate	Target	Result	Success rate	Target	Result	Success rate
Water tanks and similar*	2	5	250%						
Sanitation corners*	5	8	160%						

\* Further information to follow after finalised discussion with the schools.

Appendix 1b – KPI Tracking – Graphs (numbers including Pilot Project)



## Appendix 2 – Detailed list of water infrastructure repairs and constructions

SN	School Name	Address	No. of students	Type of Infrastructure	Status	DFL Donor
1	Tika Bhairab English School	Chhampi	250	Water Tank and Sanitation Corner	Completed	Concert
2	Harisiddhi Lower Secondary School	Dhulikhel, Kavre	89	Water Tank and Sanitation Corner	Completed	
3	Binayak Bal Lower Secondary School	Kavre	150	Sanitation Corner	Delayed	
4	Kali Devi Lower Secondary School	Payele, Dolakha	136	Water Tank	Completed	Individual donor
5	Majh Gaun Lower Secondary School	Dolakha	77	Sanitation Corner	Completed	
6	Oracle English Medium school	Guitole, Balkumari	320	Water Tank and Sanitation Corner	Completed	
7	Kanchan Secondary English School	Chapagaon	450	Water Tank and Sanitation Corner	Completed	Additional donor
8	Jana Jyoti Secondary School	Kavre	293	Sanitation Corner	Completed	
9	Purna Sanjivani Lankhanamai Higher Secondary School	Kavre	350	Sanitation Corner	Completed	
10	Bal Mandir Lower Secondary School	Dhulikhel	150	Sanitation Corner	On going	