



1001 fontaines in Cambodia

This is not an ADB material. The views expressed in this document are the views of the author/s and/or their organizations and do not necessarily reflect the views or policies of the Asian Development Bank, or its Board of Governors, or the governments they represent. ADB does not guarantee the accuracy and/or completeness of the material's contents, and accepts no responsibility for any direct or indirect consequence of their use or reliance, whether wholly or partially. Please feel free to contact the authors directly should you have queries.

François Jaquenoud

Chay Lo

1. The "1001 fontaines" mission

Fact :

900 million people living in small rural communities still have no choice but to drink swamp water.

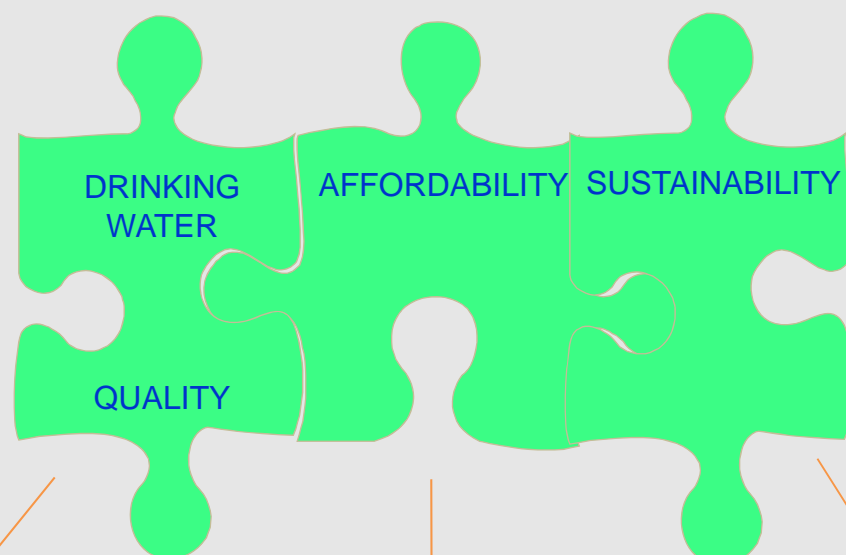
In rural Cambodia, under-five-year-old rural children mortality rate is 12% mainly due to water.



« 1001 fontaines » mission is to improve, in a sustainable way, the health of poor people living in rural areas, by enabling them to produce and drink clear and safe water through an entrepreneurship model that ensures these communities' autonomy and the solution sustainability.



2. The 3 pillars of “1001 fontaines” model



Focusing on health by giving access to safe drinking water (2 L/day per person)

Selling price set to US \$ 0.01 per litre

The « entrepreneur » ensures the sustainability of the installation, assisted by a « local platform »



3. Achievements to date



Sites (12/31/2012)

	Cambodia	Madagascar
Launched	67	10
Stopped	5	0
New launches planned over next 12 months	20	0



Beneficiaries* (actual)

	Cambodia	Madagascar
2008	8.178	0
2009	18.375	1.423
2010	40.407	1.697
2011	45.018	2.688
2012	72.135	4.000

*Excluding Sponsorship Program

*Comment : Production sites start paying assistance fees after they have reached their « break-event » point (approx. 1,000 beneficiaries).
The average objective is to serve 3,000 customers after 8 years of operation.*



Sponsorship (12/31/2012)

	Cambodia	Madagascar
Number of children	48.012	4.428

Comment : Sponsored primary schools receive, everyday, safe water for their children

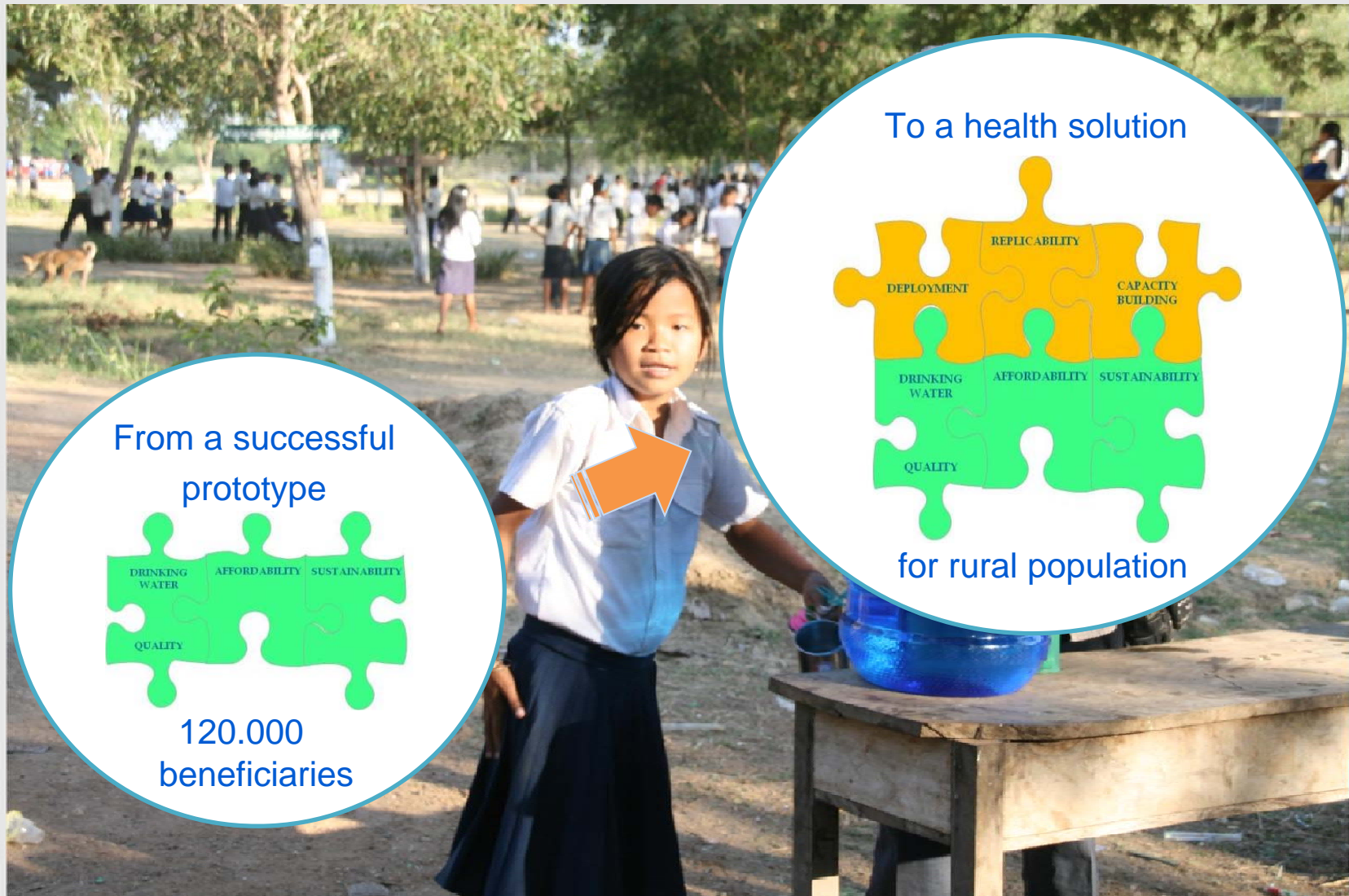


Jobs created (06/30/2012)

	France	Cambodia	Madagascar
Employed by 1001 fontaines	4	25	4
Local operators	NA	120*	12

* 32 % being women

4. “1001 fontaines” : our challenges by 2016



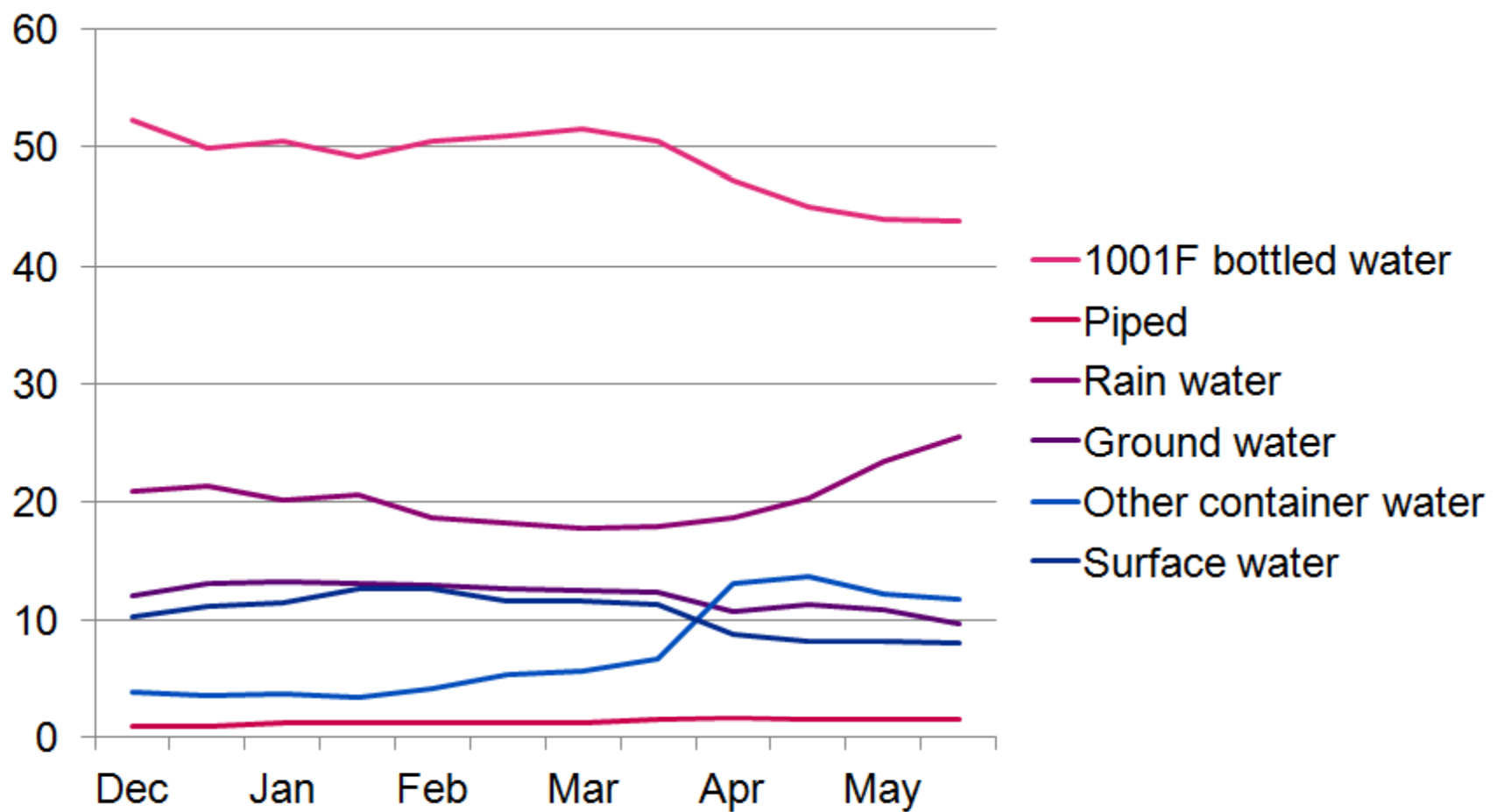
5. Our obsession

**Delivering a huge and
sustainable impact**



6. Evaluating Impact

Cohort study (2012)



6. Evaluating Impact

Cohort study (2012)

Water Source	Incidence	Confidence Interval	
	Relative Ratio	L95%CI	U95%CI
Piped water	0,284	0,101	0,800
Rain Water	0,998	0,754	1,320
1001 fontaines	1		
Unprotected Groundwater	1,041	0,489	2,216
Surface water	1,326	0,988	1,778
Other container	1,569	1,149	2,141
Protected Groundwater	1,619	1,192	2,199



6. Evaluating Impact

School study (2012)

		Control Group			Interv. Group		
Week		Total	M	F	Total	M	F
Nb of children		1534	761	773	1032	539	493
Dec	4	4,8%	6,6%	3,0%	1,0%	1%	0,6%
	11	4,5%	6,1%	2,9%	1,1%	1%	1,1%
	18	4,4%	5,8%	3,1%	1,3%	2%	1,0%
	25	4,6%	6,1%	3,0%	1,0%	1%	0,9%
Jan	1	4,8%	5,8%	3,8%	1,1%	1%	0,9%
	8	4,1%	4,8%	3,5%	1,1%	1,6%	0,5%
	15	4,1%	5,7%	2,5%	1,0%	1%	1,0%
	22	3,6%	4,7%	2,5%	1,0%	0,8%	1,3%
	29	4,1%	4,4%	3,7%	1,2%	1,1%	1,3%
Feb	5	3,5%	3,9%	3,1%	0,8%	0,7%	1,0%
	12	3,8%	3,8%	3,8%	1,2%	1,4%	0,9%
	19	3,7%	3,6%	3,8%	1,0%	0,7%	1,3%
	26	3,8%	3,9%	3,6%	1,3%	1,3%	1,3%
Mar	4	4,2%	4,4%	4,1%	1,3%	1,4%	1,1%
	11	4,3%	4,2%	4,5%	1,1%	0,9%	1,3%
	18	4,1%	4,1%	4,0%	1,1%	1,3%	0,9%
	25	4,6%	4,7%	4,5%	1,7%	1,9%	1,5%
Total		4,2%	4,9%	3,5%	1,1%	1,2%	1,0%

Conclusions

1. Absenteism consistently divided by 3 to 4 (in dry season)
2. ? Diarrhea risks divided by ?
3. This can be achieved for less than 2 \$ per child per year



7. Perspectives

Immediate suggestions

1. Extend Cambodian « Water in School » program

	2013	2016
Nb of sites	56	250
Nb of children	48,000	215,000
Cost (US \$)	97,000	437,000

2. Influence WASH in School programs (and other actors) to promote the importance of the quality of the water provided to the children



7. Perspectives

Longer term suggestion

3. Reach the 0-5 y.o. population ...

- the bulk of children mortality ...
- achievable for 10 \$ per child per year ...

→ Social program piloted on 20,000 children in 2014 ?



1001 fontaines in Cambodia

Thank you !



François Jaquenoud

Cofounder

fr.jaquenoud@1001fontaines.com

+33 612 11 08 23

