



## 1 INTRODUCTION

The CMP related research will serve following purposes:

- a) COWASH project is to accelerate rural WaSH development in Ethiopia and one important task in this work is to find more CMP financiers in the sector. To convince new financiers, the RWSEP and FinnWaSH-BG progress reports showing the success of CMP approach are useful tools. But it is obvious that especially international financiers would also ask for scientific research results before decisions can be made.
- b) The WaSH sector in Ethiopia needs to learn about what works and doesn't work in relation to CMP to create better policies and practises.
- c) Implementation of CMP related research will increase human resources capacity in the WaSH sector especially in Ethiopia. This in turn will accelerate rural WaSH development and thus will help in reaching the MDG and GTP targets and later on work with the same mechanism.
- d) To learn of actions taken in the project, thus improving the implementation from year to year.

## 2 DESCRIPTION OF THE PROPOSED RESEARCH PROJECT

The proposed research project described hereunder is the product of a brainstorming meeting by COWASH TA Team on the 31<sup>st</sup> October, 2011 and has been developed further through discussions with various stakeholders.

The proposed time schedule of the research project is tight to make sure COWASH can utilize results of the researches in developing its operations and to help in forming One National WaSH Program in Ethiopia. To manage the tight schedule, the researchers are supposed to work in close cooperation and share data and information collected among themselves.

### 2.1 PROPOSED OUTLINE OF THE RESEARCH AND LIST OF TOPICS

CMP has shown to be a promising approach, but before this project, it was properly studied only very limited (One known case is: Abraham Kebede Mekonnen, A Study on Evolving Community Fund Approach for Sustainable Rural Water Supply and Sanitation Projects Implementation, Master's thesis in Indira Gandhi Open University). Still many questions remain unanswered and statements related need to be proven. This is why this research project is launched instead of just a single research.

This CMP research project is expected to bring out one doctoral dissertation (Beshah Mogesse from Ethiopia), three master's theses (Meron Mebratu Wolderufael and Yewondwossen Tesfaye from Ethiopia and Nabin Sharma from Nepal (studying in Finland)) and one bachelor's thesis (Ahmed Muhumed from Somalia (studying in Finland)).

The working titles of the on-going (October 2012) works are as follows:

a) Doctoral dissertation

*Beshah Mogesse:*

*"Solutions on Problems of Sustainability of Water Supply and Sanitation schemes in Ethiopia"*

b) Master's theses

*Meron Mebratu:*

*"Assessment on Community Managed Projects Approach in Developing Rural Water Supply and Sanitation Schemes: A Case of Benishangul-Gumuz Regional State"*

*Nabin Sharma:*

*"Community Managed Project in implementing rural water supply in Amhara region of Ethiopia"*

*Yewondwossen Tesfaye:*

*"A Comparative Study on Woreda Managed and Community Managed Rural Water Supply Projects"*

Note: This work is already completed.

c) Bachelor's thesis

*Ahmed Muhumed:*

*"Sustainability of Water Services Implemented Using CMP Approach"*

### 3 TIME SCHEDULE OF THE RESEARCH PROJECT

The time schedule for this research project is not fixed in very details.

Anyhow, the project started already in the late Inception Phase (early 2012) to get the students on board as soon as possible, to get at least preliminary results for introducing them for potential new financiers of CMP implementation in Ethiopia and to improve COWASH functions in accordance of recommendations coming out from the research project.

When noticing that all masters' and bachelor's researches are to bring data and information into the doctoral dissertation, one could draft an optimal time schedule:

Doctoral dissertation:      March 2012 – March 2014 (when all the results in COWASH use, the final development and the official approval of the dissertation will be made later)

Other studies:                      March 2012 – March 2013 (when all the results in COWASH use, the official approval of theses could be made later)

To help students to keep their own time schedules, the following meetings etc. was planned:

- Field work in the regions in April – May 2012 (this is at least for the students coming from abroad, the timing might be different for the local students)
- A brain storming workshop after the above mentioned field work on the 8<sup>th</sup> June, 2012 (also some other WaSH stakeholders to participate).
- Attending the ReCMP workshop on the 17<sup>th</sup> October 2012.
  - o This is to help the B.Sc. and M.Sc. students in making their final conclusions/recommendations and bring more information for the doctoral dissertation. Yewondwossen completed his M.Sc. thesis already in July 2012 and presented the work in this workshop. Nabin, Ahmed and Meron presented their results and got feedback for final polishing work and Beshah introduced the latest stage of his work.
- One article to be published in an international scientific journal is to be written and sent for review before the end of 2012. This article will describe the results of the CMP research as per the masters' and bachelor's theses and the preliminary results of the doctoral studies.
- Masters' theses papers will be presented in IRC symposium *Monitoring Sustainable WaSH Services Delivery* in Addis Ababa in April 2013.
- The Ph.D. student is proposed to present a paper in the international conference "Small and decentralized water and waste water systems" in China in May 2013.
- The Ph.D. student is presenting results of his research preferably in the Multi Stakeholder Forum in the beginning of 2014

#### 4 FUNDING OF THE RESEARCH PROJECT

The organization called Maa- ja vesitekniikan tuki ry (unofficial translation: Society of Soil and Water Technology) in Finland has decided to fund this research project by covering travelling costs, per diems and accommodations up to 30.000,- euros but no scholarships are available. COWASH project can assist students by providing office services, local transport, technical advice, etc. as long these suit into the projects day-to-day activities.

#### 5 PROGRESS OF THE RESEARCH PROJECT

The progress of the CMP research project up to the date of this document:

1. Field work in the regions in April – May 2012 by the M.Sc. and B.Sc. students was completed.
2. A brain storming workshop was arranged on the 8<sup>th</sup> June, 2012. This was a video-workshop where also professionals at TUT and some stakeholders in Ethiopia were participating.

3. The doctoral student Beshah Mogesse has an approved study plan (Tampere University of Technology, TUT in Finland). He has visited TUT twice, has participated in the 4<sup>th</sup> International Dry Toilet Conference in Finland (August 2012) and has completed one field survey (June 2012) in Amahara Region in Ethiopia.

He also wrote the report of the ReCMP Workshop on the 17<sup>th</sup> October, 2012. See [www.cmpethiopia.org](http://www.cmpethiopia.org). The participants of the workshop gave ideas and guidance to Beshah to progress in his research.

Beshah and his supervisor in AAU Dr. Gashaw will visit TUT in Finland in January 2013.

4. Yewondwossen Tesfaye completed his M.Sc. studies in Indira Gandhi Open University in July 2012.
5. Nabin Sharma and Meron Mebratu are finalizing their M.Sc. thesis works and are expected to graduate within 2012.
6. Ahmed Muhumed is finalizing his B.Sc. thesis work and is expected to graduate within 2012.
7. It is worth noticing that the M.Sc. and B.Sc. works produced already some recommendations and ideas to improve the CMP approach in the workshop on the 17<sup>th</sup> October 2012.

All in all, the ReCMP project is well ahead of the preliminary time schedule. Naturally, this means also that the budget of the first implementation year (2012) will be exceeded. The support of Maa- ja vesitekniiikan tuki ry (30.000,- euro), was supposed to be consumed equally within the project period of three years. Now it can be seen that most of it is consumed in the first year.

The ReCMP project has proven to be successful so far. In addition to the fact that the researchers have been progressing faster than assumed, the project has also promoted new research activities:

- Matthew Hurst of Cornell University in USA is implementing his Ph.D. research among water quality questions in rural water schemes taking the CMP approach into account.
- Mamaru Ayalew of Bahir Dar University in Ethiopia is cooperating with M. Hurst and practicing his doctoral studies also. M. Hurst presented his and Mamaru's research in the ReCMP workshop on the 17<sup>th</sup> October, 2012.
- Linda Annala has sent her application to start Ph.D. studies in School of Economics Hanken in Finland. Her plan is to concentrate in supply chain questions in rural WaSH development in Ethiopia.
- Dureti Tessema joined ReCMP project on the 22<sup>nd</sup> October, 2012. She is studying in Addis Ababa University and is planning to complete her M.Sc. thesis in the spring 2013 (the graduation should happen within the Ethiopian year 2005). Her research topic is not clear on the date of this document, butis supposed to be agreed still within October 2012.

It is not finally agreed, where the thesis research papers will be published. International Water and Sanitation (IRC) publications series is proposed, but the decision is not made yet. Anyhow, the thesis works will be published in [www.cmpethiopia.org](http://www.cmpethiopia.org) at least.

The presentations of the ReCMP workshop on the 17<sup>th</sup> October, 2012 and the report of the same can be found in [www.cmpethiopia.org](http://www.cmpethiopia.org).