

Sustainable Management of Water Resources in the Rift Valley (MAWARI)

PROJECT SYNTHESIS

PROJECT I – TRANSECT PROJECT IN THE MAIN ETHIOPIAN RIFT

TEAM LEADER – Dr DAGNACHEW LEGESSE

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PROJECT II – ORIGIN, GENESIS AND DISTRIBUTION OF FLUORIDE IN THE ETHIOPIAN RIFT

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BASED ON THE TOR OF THE MAWARI PROJECT
(FUNDED BY THE FRENCH GOVERNMENT AND
ADMINISTERED BY CIFEG)

THE DEPARTMENT OF EARTH SCIENCES IS
VESTED WITH THE RESPONSIBILITY
OF NATIONAL COORDINATION OF THE TWO
PROJECTS

The MaWaRi Project

Objectives of the project:

- to contribute to the improvement of knowledge and understanding of the groundwater life cycle
- to set guidelines to help decision makers for a sustainable management of the water resources in the Rift valley.

Have we met these objectives?

TRANSECT PROJECT

- A Number of MSc Theses have been written
- Three PhD Students have started their studies in France
- A Number of works have been published or have been sent for publication

IN THE LAST TWO YEARS THE PROJECT HAS
HAD A POSITIVE IMPACT BOTH FROM

THE RESEARCH RESULT
PERSPECTIVE and

THE CAPACITY BUILDING

PROBLEMS

**SOME RESEARCH THEMES WERE NOT
ADEQUATELY CONSIDERED**

**-STRUCTURAL STUDIES IN THE RIFT IN UNISON
WITH THE HYDROGEOLOGICAL PERSPECTIVE**

**-ENVIRONMENTAL DEGRADATION AND ITS
IMPACT ON THE AVAILABILITY OF SURFACE and
Ground WATERs**

**IMPORTING PURCHASED EQUIPMENT DUTY
FREE**

POSITIVE DEVELOPMENTS

COMPARED TO THE PROJECT MOOD 6 MONTHS AGO
THERE IS A CLEAR INCREASE IN INTEREST

THIS HAS BEEN BOOSTED BY

- RETURN OF INVOLVED STAFF WHO WERE ON RESEARCH LEAVE
- WILLINGNESS OF ADDITIONAL DEPARTMENTAL STAFF TO PLAY A ROLE
- THE START OF THE STUDIES OF THE PHD STUDENTS &
- OUR PLAN TO FUND AND INVOLVE MORE MSC STUDENTS IN THE PROJECT

PROJECT II

**ORIGIN, GENESIS AND DISTRIBUTION OF
FLUORIDE IN THE ETHIOPIAN
RIFT AND DEVELOPMENT OF
DEFLUORIZATION TECHNOLOGIES**

THIS IS WHERE WE STILL HAVE A NUMBER OF ISSUES

THERE WERE A NUMBER OF STAKEHOLDERS IN THIS PROJECT COORDINATED BY THE GSE

-JIMMA UNIVERSITY

-AAU

-UNFORTUNATELY NOT MANY PARTICIPANTS HAVE REMAINED AND ONLY GSE IS ACTIVELY INVOLVED IN THE PROJECT

-ONE WAY FORWARD TO GET BETTER SCIENTIFIC RESULTS IS TO INVOLVE MORE MSC STUDENTS IN THE PROJECT

- There is a need for better regional cooperation
 - Various institutions and researchers should start working together
 - The Department is always willing to support this and other projects
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- More discussions during the scientific and steering committees meetings