# @SCHOOL NILE ENVIRO

## MAGAZINE

MARCH 2018

**3RD EDITION**

# ORGANIZATION'S
# BACKGROUND

The Nile Basin Club "NBC" is an environmental and development non-profit organization with no party-political or religious affiliations.
It is a local Civil Society Organization (CSO) working mainly on Education for Sustainable Development through field activities and our quarterly magazine "@SCHOOL NILE ENVIRO MAGAZINE" focusing on the following key areas:

o Supporting the education of youth (girls' and other categories from poor families);
o Promoting Climate Smart Agriculture (CSA) focusing on women;
o Environmental Awareness in schools "@ SCHOOL NILE ENVIRO MAGAZINE"
o Reforestation;
o Food security;
o Biodiversity conservation;
o Water and Sanitation;
o Renewable energy;
o Livelihood development;
o Women & Youth empowerment
o Innovations and Research.

To protect rivers considered as the source of Nile River, we focus on teaching primary and secondary schools' students on the activities related to Nile Basin protection. This is done through soil erosion control activities, use of renewable energies to avoid deforestation and trees planting. "...For trees planting, we mainly focus on fruit trees to not only reduce soil erosion and absorb carbon dioxide from the air but also increase food security and increase household's income at family level..."
Nile Basin Club works with local communities with much emphasis on women, girls and other children who are considered as persons who will play a major role in the natural resources management towards Rwanda sustainable development. These groups are mostly affected by the natural resources degradations through air pollution, lack of food, lack of water, lack of access to quality education, etc.

## VISION:

Promote Education for Sustainable Development (ESD) by empowering women, youth and their families to change their way of thinking and work towards a sustainable future.

## MISSION:

Improve access to quality education on Sustainable Development by helping women, youth & families to develop knowledge, skills, values and behaviors needed for sustainable development by putting emphasis on Education, Climate Smart Agriculture and other environmental preservation.

## OBJECTIVES:

o Support government initiative by providing educational support to women and youth from poor families (financial, material and moral)

o Increase environmental awareness on climate change in schools through our quarterly magazine "@SCHOOL NILE ENVIRO MAGAZINE";

o Promote peace & reconciliation among youth through entertainment and sensitization meetings;

o Train women and youth on entrepreneurship through "saving groups";

o Strengthening farmers' organizations through the promotion of a sustainable market oriented agriculture integrated to livestock;

o Promote environmental preservation practices and food security through agro-forestry & horticulture development, kitchen garden, soil erosion control, reforestation and use of renewable energies.

## 2. REGIONS OF INTERVENTION

NBC targets to implement its initiatives country-wide with much attention on Nile basin water-sheds.

## 3. CURRENT PROJECTS

**Project 1:**
**Nile Enviro Magazine.**
Increasing environmental awareness of women and youth in schools through "Nile Enviro Magazine".
This magazine is published at quarterly basis and copies are distributed to schools for environmental awareness purposes

**Project 2:**
**Trainings and field visits**
Field visits and training sessions are regularly conducted to support the "Nile Enviro Magazine". Youth at schools and Women Farmers organizations are our main targets during the implementation of field activities. So far, our training sessions have been conducted in Gahanga Sector, Kicukiro District where women and youth have been trained on environmental preservation and good agricultural practices.

**Project 3:**
**Nursery development in Gahanga Sector**
NBC has started nursery construction to produce 10,000 agroforestry, forestry and ornamental species.

## 4. UPCOMING PROJECTS

**Project 1:**
**Support women and youth**
o Talents development
o Financial literacy and creation of saving groups
o Support girls and other vulnerable groups in school fees payment and other related educational materials

**Project 2:**
**Environmental preservation and promoting Climate Smart Agriculture**
o Nursery development of bamboo, fruits trees, forestry &agro-forestry trees and their planting;
o Soil erosion control practices (terrace making, trees planting, ...);
o Water and Sanitation;
o Renewable energy (use of clean cooking stoves, solar and biogas);
o Food Security through the promotion of the Climate Smart Agriculture (CSA)

Photo: Nyabarongo river.

# FORESTS

Forest is an area covered by different trees such as natural and planted. In Rwanda we have natural forests like Nyungwe, Cyamudongo and others.
Worldwide the forest is found near equator due to heavy rainfall found in the area. Other heavy rainfalls are found in the Northern part of the world. Other natural forest are found in mountainous areas.

## IMPORTANCE OF FORESTS

Forests are a home of animals and other biodiversity. They are a source of oxygen for breathing,Forests contribute in water cycle (evapo-transpiration)
Forests protect soil from erosion, source of food (fruit), source of medicine, source of timber which are used in furniture making and source of energy.

### Impact on forests

- Bush burning
- Deforestation
- Extraction of mineral in forest
- Road constructions

### Impact of forest degradation

- Lower amount of rainfall
- Desert
- Soil erosion
- Lack of trees for use
- Lack of fruits

# WATER

## SOURCE OF RAINFALL

Rain comes as a result of evaporation of water bodies and vapor-transpiration of trees that produce humid air in atmosphere. This air contributes in formation of clouds which give rainfall. That infiltrate in the soil and soil give water source for domestic use and stream, river, lake, ocean.

This way of water is continuous as is known as water Cycle while this cycle  stops, the earth may become a desert and water reduces.

We are committed to protect environment by planting trees as we have seen they contribute in water cycle and protect river on behalf of water bodies.

**1.Contributes in crop growing**
**2. Source of water**

### What should we do?

Let's protect environment as it support health, by planting trees...!!!!!!!!!!!!!!!

**Watch out next part on importance of water!!!.......**

Water is a basic need in our lives, it takes a big part of the earth's surface and big part living organisms in general.

Water is composed by oceans, lakes, streams and rivers.
Rwanda is lucky to have enough water in streams, rivers and underground water. We also have other water sources for example from rainfall and swamps.

**Remember that clean water is colorless and odorless.**

# IMPORTANCE OF WATER ON HUMAN BEINGS

The human body is composed of water in blood on behalf of muscles.

Water is needed by our body as it lost from sweat, and other waste that contain water. Human activities also need water like cooking, cleaning, building (construction),electricity, agriculture and in transport.

Crops and animals also need water, while they lose it they even lose their lives. Soil dries up and results into desert formation.

### Dangers of unclean water

1. unclean water result in lose of life
2. unclean water result in disease
3. water from water body are not clean due to contamination from different waste and rainfall.

### Disease resulted from unclean water

- Diarrhea
- Amoeba
- Dysentery
- Typhoid

### To protect water is your task!!

-By putting waste where they should be.
-By planting trees on the river channel

@environmental awareness meeting conducted in Mageragere sector, Nyarugenge district with sugarcane farmer's cooperative of Mageragere "SUFACOMA" who have their activities of sugarcane cultivation in Nyabarongo watersheds, being taught several ways of not only cultivating but also preserving the river in a sustainable manner.

@prepared site for tree nursery establishment in Gahanga sector which will produce almost 10,000 seedlings of agroforestry, Ornemental, fruits and forestry species  as playing a part in livelihood development in the way of climate smart agriculture for productive agriculture and also environmental preservation activities.

## TWITE KU BIDUKIKIJE

Ese ibidukikije ni iki?: Ibidukikije dusangamo umuntu, ubutaka n'ibiburimo, umwuka n'ikirere, amazi n'ibiyarimo, ibinyabuzima biri ku isi n'ibikorwa by'umuntu. Ibyo byose tubonye umuntu niwe uri hagati ya byose.

Muri aka gatabo tuzamenya byinshi ku bidukikije ndetse n'uburyo twabyitaho tukabibungabunga.

Mu gihugu cyacu cy'u Rwanda ubwiyongere bw'abaturajye burigutiza umurindi ikoreshwa nabi ry'umutungo kamere hamwe n'ubumenyi budahagi je no kudasobanukirwa neza akamaro k'ibidukikije bigira ingaruka mbi kuri byo. Ni nayo mpamvu tugushishikariza kujya usoma aka gatabo mu rwego rwo gusobanukirwa uburyo twabungabunga ibidukikije.

Aka gatabo kazatoza umunyarwanda akamaro ko gufata neza umutungo kamere igihugu cyacu gifite, kakamwigisha n'uburyo bwo kuwubyaza umusaruro uhagije batabangamiye ibidukikije.

# AMASHYAMBA

Ishyamba ni ahantu hanini hateye ibiti by'ubwoko bumwe cyangwa bunyuranye, byaba ibiterano cyangwa ibyimejeje. Mu Rwanda, amashyamba kimeza aboneka ahantu hanyuranye (ishyamba rya Nyungwe n'andi...).
Ku isi amashyamba manini y'inzitane aboneka ahantu imvura nyinshi igwa mu turere twegereye umurongo ugabanya isi mo kabiri (Equateur). Andi mashyamba manini aboneka mu majyaruguru y'isi, hamwe no mu misozi miremire.

Ishyamba ricumbikira inyamaswa nini n'intoya n'ibindi binyabuzima byinshi,Riduha umwuka mwiza utumbagira mu kirere ukarema ibicu, na byo bikabyara imvura. Arinda ubutaka isuri no kumangarara, amashyamba kandi avamo imiti ndetse hakabamo n'ibiti bitanga imbuto zo kurya.
Avamo ihikoresho binyuranye (imbaho, inkwi, amakara,amasekuru n'imihini ikwikira ibikoresho binyuraye ndetse n'amato, n'ibindi byinshi tutarondoye....)

Dore bimwe mu byangiza amashyamba.

. Inkongi y'umuriro
. Kuyaragiramo
. Kwasa ibiti
. Kuyacukuramo amabuye y'agaciro
. Gucamo imihanda
. Guca amakara
. Gusatura imbaho
. Barutwitsi

Ingaruka zo gucika kw'amashyamba

- Imvura nke isoko y'ibura ry'amazi n'amapfa
- Ubutayu
- Isuri nyinshi iva ku mvura n'umuyaga
- Kubura ibiti byo gukoresha
- Ibura ry'imbuto isoko y'indwara z'imirire mibi

Ntucikwe no kumenya akamaro k'amazi muri rusange.......

# UBUTAKA

Ubutaka ni kimwe mu bikoze umubumbe w'Isi. Ni umutungo utimukanwa, ukaba ariwo utunze abantu n'ibindi binyabuzima byose biwuriho. Imibereho n'ibikorwa by'abantu bishingiye ku butaka kuko aribwo bukorerwaho imirimo itunze abantu, bakanabuturaho.Iyo bwangiritse, inyamaswa nini n'intoya,
udukoko, abantu, ibimera byose birahungabana, bigapfa cyangwa bikuma ntibibe bigifite ubuzima bikesha ubutaka.
Ubutaka nibwo shingiro y'ibiburiho byose nk'uko ubibona kuri ayo mafotofoto.

**Tubungabunge ubutaka dutra ibiti tunabyitabo nkuko ubibona kuriyo foto**

**Ubutaka bufasha igiti gukura neza**
**Igiti nacyo cyikabufasha kuburinda isuri ndetse kinazanira imvuraubuta**

## **IBIBANGAMIRA** UBUTAKA

- Kwiyongera kw'ababutuye
- Isuri rukukumba
- Itemwa ry'amashyamba
- Gukama kw'amazi mu bishanga Ibirombe

# AMAZI

## INKOMOKO Y'IMVURA

Imvura ikomoka ku Inyanja zose, ibiyaga, inzuzi, iyo biyayuka byohereza mu kirere umwuka uhehereye, ni ukuvuga ubitse amazi. Amashyamba n'ibindi bimera nabyo bihumekera mu kirere. Iyo myuka yose iratumbagira igakonja, ikarema ibicu. Bwa bukonje bwakomeza, ibicu bikabyara imvura. Imvura ikagwa ari nako icengera mu butaka. Ubutaka bwamara kunetera bugasohora igice cy' amazi aricyo kibyara amasoko abyara inzuzi zitembera mu biyaga no mu Nyanja ndetse n'amasoko tuvomaho nk'imigezi.
Iyo nzira y' inkomoko y'amazi irakomeza kuko iyo imvura ihagaze isi ihinduka ubutayu n'aho amazi ari menshi agakama.
Icyo dukwiye gukora Ni ukwita ku ibidukikije twabonye haruguru kugira ngo Isi yacu itazaba ubutayu,dutera amashyamba kuko tubonye ko akurura imvura yo soko y'amazi dukorsha, tunabungabunga imigezi
n'ibiyaga.

### Iyi foto isobanura iyinkuru tumaze gusoma

1. Yuhira ibimera
2. Itanga amazi ku biyaga n'imigezi.

**Ese waruziicyo twakora ?**

Tubungabunge ibidukikije kuko niyo soko y'ubuzima bwiza tunatera ibiti!!!!!!!!!!!!!!!

**Ntuzacukwe ninkuru yubutaha …**

# AMAZI

Amazi ni isoko y'ubuzima, kuko afatiye runini muntu ndetse n'Isi n'ibindi binyabuzima. Agizwe cyane cyane n'inyanja ngari n'izindi ziciriritse, ibiyaga, imigezi n'inzuzi.

Mu Rwanda tufite amazi ahagije ay'ibiyaga imigezi n'ay'ikuzimu aturuka ku mvura, ndetse ay'ibishanga.
Twabibutsa ko Amazi meza atagira ibara ndetse n'impumuro.
Akamaro amazi afitiye abantu
Umubiri w'umuntu ugizwe n'amazi menshi ari mu maraso no mu nyama z'umubiri. Amazi akenewe kugira ngo asimbure ayo dutakaza tubira ibyuya, duhumeka, tujya mu bwiherero n'ahandi.
Imirimo ikenera amazi ni nko guteka, gusukura, kubaka, amashanyarazi, ubuhinzi, ubworozi, gutwara abantu n'ibintu.

Amatungo n'ibihingwa bikenera amazi. Iyo biyabuze, bibura ubuzima. ubutaka bukumagara hakaba ubutayu n'aho amazi ari menshi agakama.

Ntuzacukwe ninkuru yubutaha …

# Ububi bw'amazi adasukuye

Amazi mabi arimo imyanda yangiza ubuzima, agatera indwara. Nta na rimwe amazi y'imigezi aba ari meza ku buryo yakoreshwa adasukuye kuko imvura cyangwa indi myanda biyanduza.

## Indwara zikomoka ku mazi mabi

- Inzoka zo mu nda
- Macinya myambi
- Impiswi
- Korera
- Tifoyide

### TWIRINDE KWANDUZA AMAZI

- Kutituma ku gasozi
- Kudata imyanda mu mazi
- Guhinga ibiti ku nkengero zi'imigezi n'ibiyaga.

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