

Editorial

Greetings **SCOPE** family,



Welcome to 2020! The rains have just started and we are already seeing

good results in many Schools and Communities. Let us continue feeding our soils. The principle of Earth Care is our song.

Yours sincerely,

Annie Chikanji
National Coordinator

Information

Dust pollution in Schools



80% of our Schools are bare and dusty, resulting in soil erosion. The great

news is that School lands are being re-designed together with the participation of all the stakeholders of each School, namely parents, learners, teachers, local education authorities, local leaders, churches, Extension Officers, NGOs and Health Practitioners. Once the community develops a workplan they start implementing permanent changes on the school grounds. Access routes help in reducing soil erosion.

Life starts on formerly bare land.



Learners adapt to new ways of living again, no sweeping, more time for them to be in class and for outdoor classroom activities increases.



Who are the beneficiaries of the healthy School Grounds?

Good food is for all.



“We are now eating our own vegetables”, said Sandra Bwalya from **Malota Community School in Livingstone.**



This School has limited space area, but with proper Land

Design, they found space using old tyres.

Highlights

One of our Member Organisations **Revival NGO in Lundazi** got funding from **ITF**



this year to transform **3 Schools from Bare lands into Food Forests**, in the Chiefdom of Kapichila. **Revival** is now working with **7 Schools in two Districts** namely Chasefu and Lundazi.

Membership

SCOPE Zambia managed to renew its membership with the **Zambia Alliance for Agroecology and Biodiversity (ZAAB)**. It is a united network of concerned citizens, civil society groups and farmer-based organisations, working together to strengthen the growing movement for agroecology and food sovereignty in Zambia. **ZAAB** is also a member of **Alliance for Food Sovereignty in Africa (AFSA)** regional network.

ZAAB was initiated in 2010 when a number of civil society and farmer focused organisations came together to defend Zambia's threatened 'NO GMO' declaration of 2002. Our own network, **ReSCOPE** is also a member of **AFSA**

Theme of the Month

GROUND COVER (From Grassroots Trust)

EMPHASIZING the IMPORTANCE of GROUND COVER!

AFRICA BETWEEN POVERTY AND FLOODS

Towards Poverty!
Towards Desert!

Crop-Drought-Soil Erosion

- No ORGANIC COVER means rainfall cannot soak into the ground
- Less infiltration means more Run-off, Evaporation- Floods downstream & Drought on the land

Suggestion: EVERY ZAMBIAN must FOCUS on CONSERVING RAINFALL by INCREASING GROUND COVER

12d) Organic Matter- the heart of the soil

Increased organic matter in soils leads to:

- Increased infiltration rates and water holding capacity
- Increased nutrient content and holding capacity
- Improved soil structure which leads to reduced erosion and less labour
- Increased biological function in the soil which leads to nutrient release and disease suppression

Change in OC level	Change in OC (g/m ²)	Extra water (litres/m ²)	Extra water (litres/ha)	CO ₂ sequestered (t/ha)
1%	3.6 kg	14.4	144,000	132
2%	7.2 kg	28.8	288,000	264
3%	10.8 kg	43.2	432,000	396
4%	14.4 kg	57.6	576,000	528

12c) Partner species:

- Know and understand the plants and animals that will help to improve your land and livelihoods-
- Feed you soil with dead plant matter. This will feed termites worms and microbes who in turn will feed your plants
- Reduce chemicals that suppress or kill them, be aware of how they live and what food they need to avoid eating your crops.
- Let nature to do the work so you can reduce on costs of external input costs.

The "living soil"

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12e) How do we increase soil organic matter? – the puzzle.

- Mix crops and use more manure
- No burning of crop residues – as this leads to the carbon on the surface of the soil being released as carbon dioxide and monoxide.
- No soil inversion (turning) – as this leads to the introduction of excessive oxygen into the soil which leads to rapid decomposition of soil organic matter by micro-organisms.
- Reduce heavy applications of nitrogen fertilizer – as this directly kills micro organisms, leads to rapid bacterial growth and loss of carbon as CO₂ and also leads to acidic soil conditions which limit crop growth.
- Stop poisons which kill the insects, termites, worms and microbes. They are trying to improve your soil!

Voices



Greetings from Ghana

We are [Fairpointers](#), a company in Ghana that specializes in IT services. In addition to IT services, we support the NGO [Grow Ghana](#) in its activities to introduce young students to IT. We received a request from our former senior volunteer to digitize the SCOPE Zambia logo. It was an honor for us to support the NGO SCOPE Zambia in order to make their future activities even more visible.

We wish SCOPE Zambia good luck and all the best for the future.

Your Fairpointers team

About us



We welcome **Rodgers Banda**, who is our Monitoring and Evaluation Officer. Rodgers brings with him 3 years experience working with Family Health International and the Catholic Diocese of Ndola.

Madam **Inonge Mutukwa** is no longer with us. We wish her well and thank her for the time she worked with us and for the great contribution she made while she was with us from 1st September 2018 to November 2019.