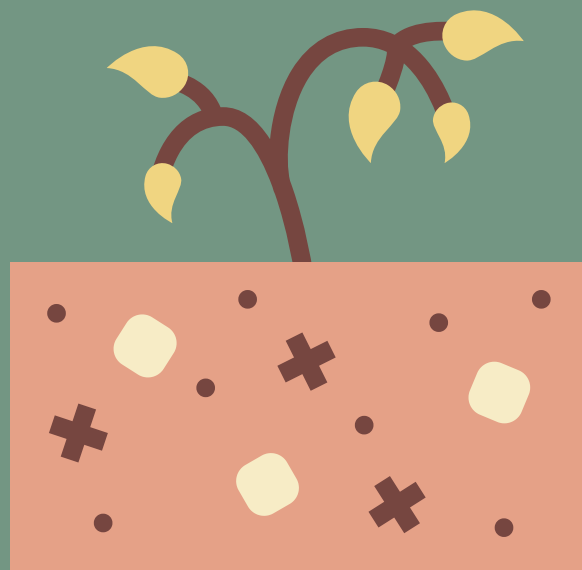


SOIL DEGRADATION & FOOD SECURITY



Soil degradation is caused by biophysical, social, economic and policy factors.

The adverse impacts can now be easily masked by application of fertilizers and use of supplemental irrigation.



Resource-poor farmers, who can't afford chemical and external inputs, are the ones who are paying more the consequences.

Industrial agriculture won't solve the problem!

We have already degraded one third of arable land worldwide and business as usual will only get things worst.

95% of our food come from the soil!

Unhealthy soils = Lack of resilience
No soils = No food

"Decline in crops' yields and agronomic production **exacerbates food insecurity that currently affects 854 million people globally.**



Low concentrations of protein and micronutrients in crops (e.g., Zn, Fe, Se, B, I) aggravate malnutrition and hidden hunger that affects 3.7 billion people, especially children."

Soil degradation affects food security

Directly

Reduction in crop yields
Decline in their nutritional values (protein content, micronutrients etc.).



Indirectly

Reduction in efficiency of inputs (e.g., fertilizer, irrigation) and additional land area required to compensate
Loss of production
Pollution of soil, air, and water with severe impacts on human health
Loss of household income

Wind erosion can cause serious health problems by blowing soil particles and microbes into the air, aggravating allergies and asthma.



In addition

A salinized soilscape can cause :

- (a) windborne dust and respiratory health,
- (b) altered ecology of the mosquito-borne disease
- (c) mental health consequences.

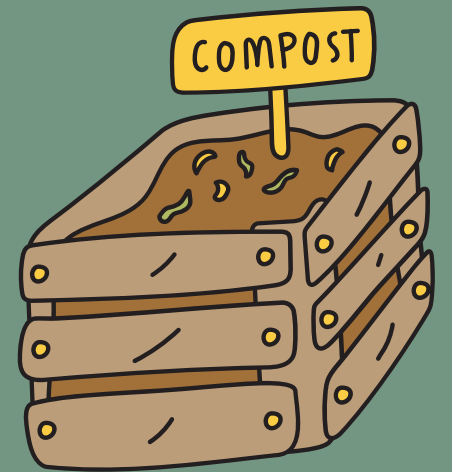


WE ARE GROWING!

Per capita food consumption is expected to increase to 3,050 kcal/day.



Additional production must come from restoration of degraded/desertified soils through agroecological practices.



Improving water productivity, **enhancing soil fertility and micronutrient availability,** adopting **no-till farming** and conservation agriculture and adapting to climate change are ways to improve soil.

Ensure we follow as much as possible a healthy and sustainable diet



Talk and share this knowledge to everyone!



What can we do?

Whenever we can, buy products from local and agroecological farmers



Choosing is still a privilege but knowing is our duty

RIGHT TO FOOD

If we don't know which are our rights we will never even fight for them. Let's learn together what's best for us and our planet and let's claim it!

We are on a mission to spread awareness amongst **health professionals** about the **connexion between soil-human health.**

Join us in our mission!



Coalition of Health Professionals
for Regenerative Agriculture