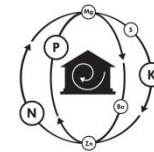
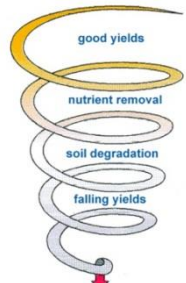


The Fertile Grounds Initiative



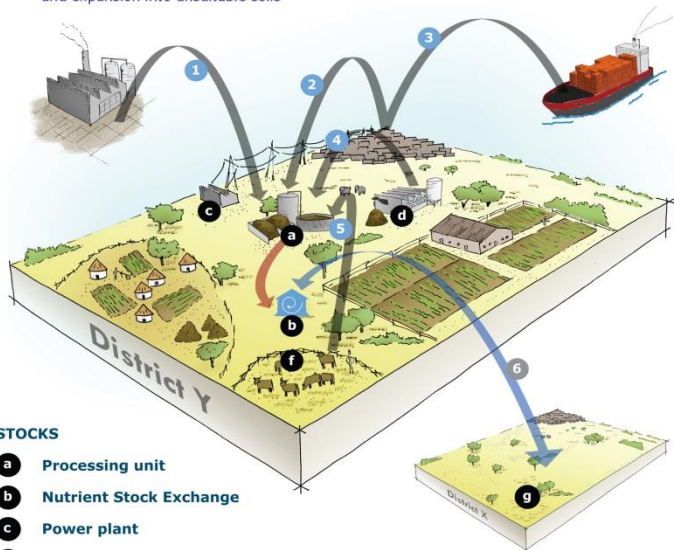
€3 thousand million worth of soil nutrients are lost each year. At the same time nutrient accumulate and cause environmental degradation. Due to globalization, urbanization, population growth, changing diets, increasing costs of energy and climate change, meeting the challenge of resolving disconnected flows of nutrients – or to put it more positively: optimizing nutrient cycling mechanisms – is more urgent than ever.

Low population, long fallow periods, short cropping periods



Increasing population density

High population, shorter or no fallow, low yields, persistent soil degradation and expansion into unsuitable soils



STOCKS

- a Processing unit
- b Nutrient Stock Exchange
- c Power plant
- d Local industry
- e Fertilizer industry
- f Livestock
- g District X

FLOWS

- 1 Import of nutrients
- 2 Organic household waste
- 3 Food & other organic matters
- 4 Industrial organic waste
- 5 Manure
- 6 District exchange

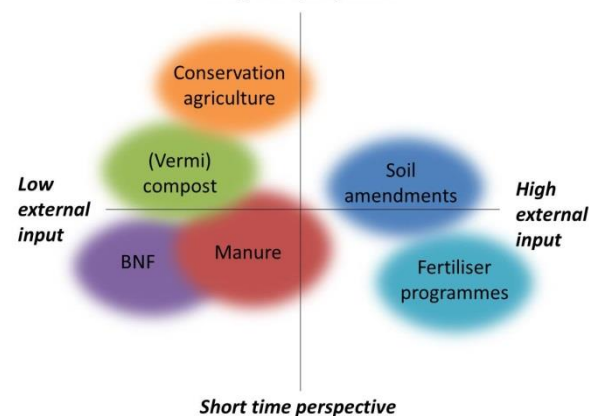
Soil fertility interventions

Increase amount

Increase efficiency



Long term perspective



Short time perspective

The Fertile Grounds Initiative is a coordinated strategy of collaboration between actors in nutrient management (e.g. farmer, fertilizer industry) and other stakeholders. In the FGI nutrients are traded in a concerted way between suppliers and users, ensuring the best possible combination of organic and mineral nutrient resources.