

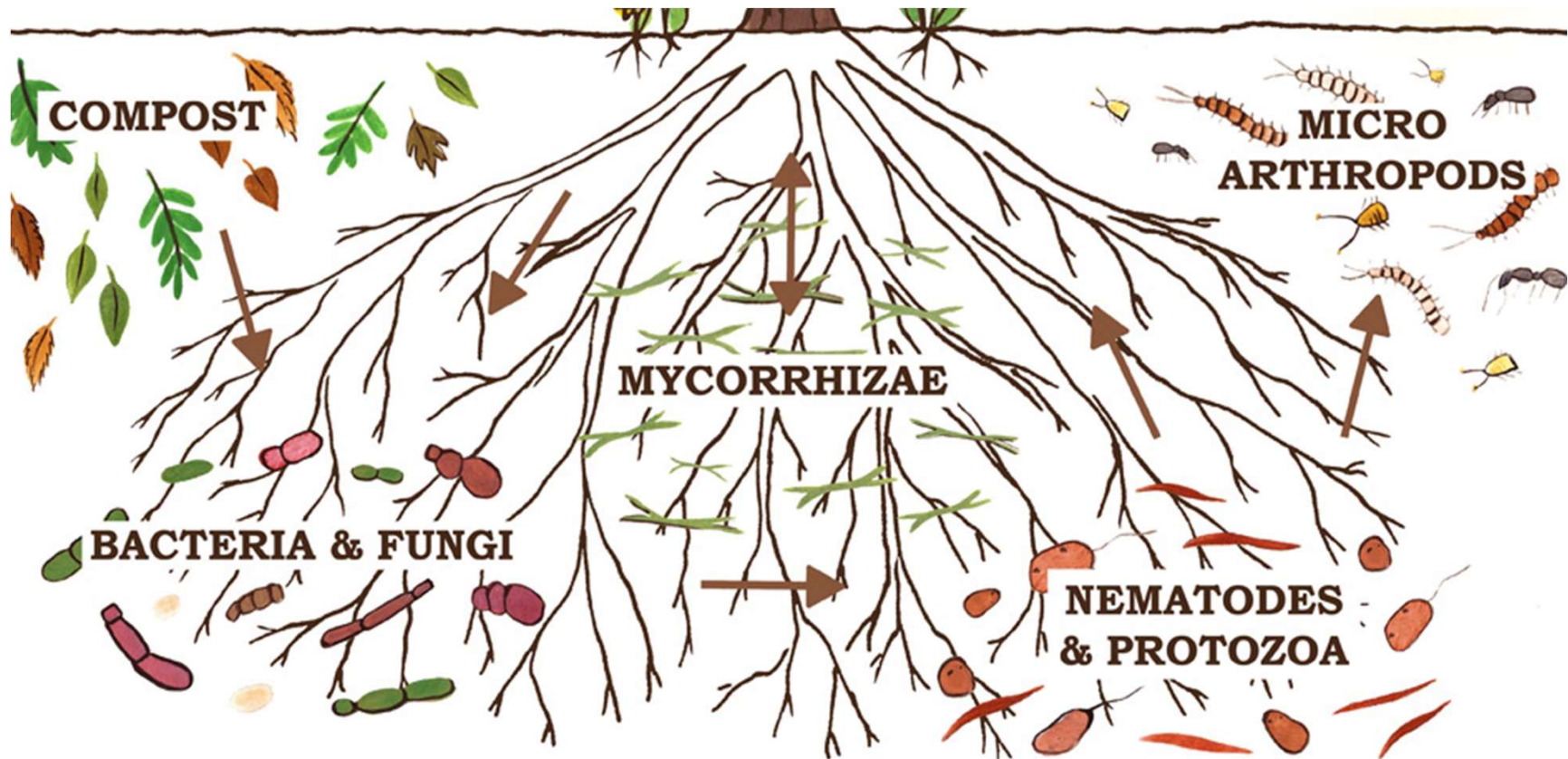


Solutions to improve ecological and
economical regenerativity of the
agriculture, industry and the society

Agronomist Juuso Joona

**SOIL
FOOD**

Soil food web



Soil is essential



Healthy soil absorbs CO₂ and
produces higher yields with
less emissions to water and air

Soilfood: multi beneficial circular economy

Inputs of food and farming:

Fertilizers, soil improvers, neutralizers, stimulants

Knowledge, advisory



WATER COURSES

Better soil, less emissions



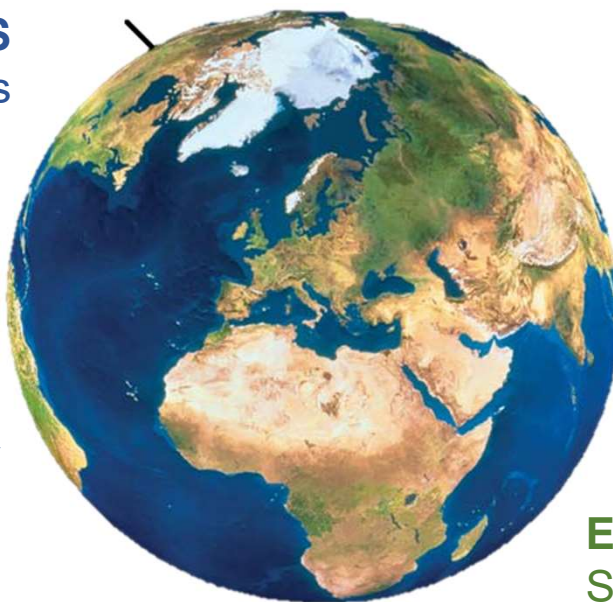
CLIMATE CHANGE

Soils as a carbon sink



BIODIVERSITY

Soil food web
Crop rotation



FARMER



Cost-effective inputs
Higher productivity and profitability

INDUSTRY



Easy and economical
carbon-wise solution
Sustainability 100%

ECONOMY



Self-sufficiency
Current account



Biggest recycling fertiliser supplier in Finland



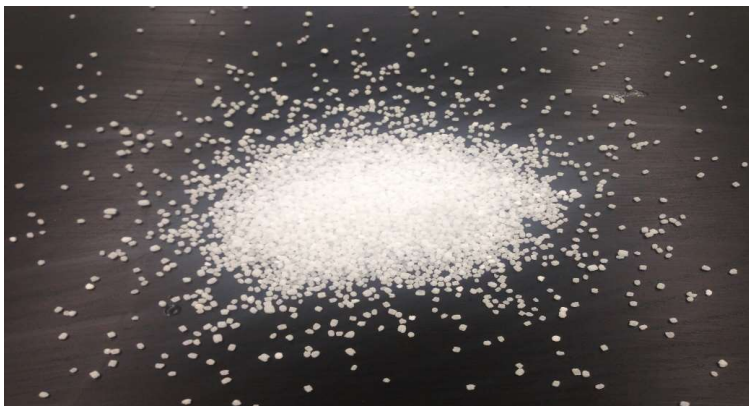
Full range for the farmers



230 000 t/a fertilizer slurry from biogas and ethanol industry



110 000 t/a soil improvement fibres from the forest industry



100 000 t/a supplementary and micronutrients from process industry



15 000 t/a amendments to neutralize soil and improve structure from the forest industry

R&D with a great impact





Shifting the paradigm



Shifting the paradigm





Recycled nutrients 2017



815 t N

265 t P

97 t K

224 t S

4000 t C seq.

10 033 ha



Limiting factors

- Lack of holistic goal in the society

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- Long-term experiments on soil health
- Incentives for the industry and farmers to sequesterate carbon