

What is the reality of an agroecological transition for a farmer?

The triggers

Erosion & Yield loss

Need for costs reduction (in particular less plough usage)

Need for reduction of chemical inputs and return of life in the fields

The drivers

Networking with other farmers

Increasing awareness

Economic opportunity (organic certification)

Re-appropriation of agronomic knowledge

The barriers

Family & Neighbours

Dogmatism -> risk of failure

Lack of technical references

Lack of financial support



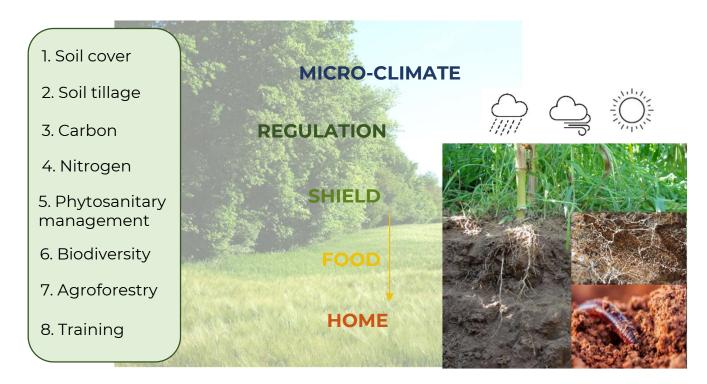


A need for integrated result-oriented schemes to achieve long-term and systemic benefits



The Regeneration Index

To evaluate the agroecological level of a farm ...







The Regeneration Index

... + collateral benefits!

- 1. Soil Cover
- 2. Tillage
- 3. Carbon cycle
- 4. Nitrogen fertilisation
- 5. Phytosanitary management
- 6. Biodiversity
- 7. Agroforestry
- 8. Training

Determinants for increasing Organic Matter % in soil





Changes in topsoil organic carbon content in the Swiss leman region cropland from 1993 to present. Insights from large scale on-farm study

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Supporting agroecology in its systemic aspect is the only action needed to

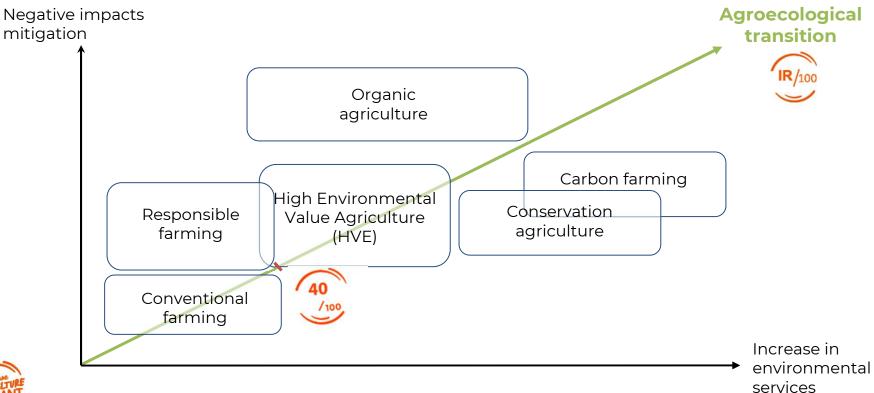
- achieve all our common goals -climate change mitigation

 - ... before 2030!
- -reconquest of biodiversity
- -improvement of water quality
- -reduction of chemical inputs healthy food production
- [...]



Case study: the Regeneration Index

A complementary tool to existing certification schemes





The (new) business case

To support long-term and case-dependant soil management strategies

Carbon credits The « extra month bonus » Fair and pluriannual Income diversification contracts Local food networks to create Fair price to cover production costs additional income for cover & crops and additional biomass Incentives to credit knowledge/skills and a better quality production **Risk insurance** Pre-transition payments/subsidies to cover the additional costs and risks for achieving environmental results (CAP/R&I credit tax)



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