Can we get farmers to grow soil life?

October 14, 2014, Frans van Alebeek

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Outline

- Soil biodiversity in agriculture
- Farmers and their perception of soil life
- Lessons from above-ground biodiversity projects
- Knowledge transfer



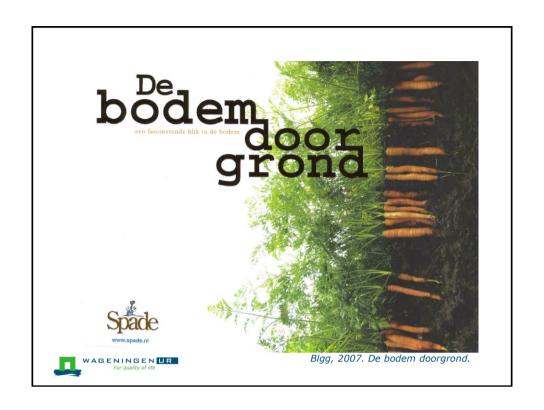
Arable farming, field margins and natural pest control





Applied Research & Arable farming

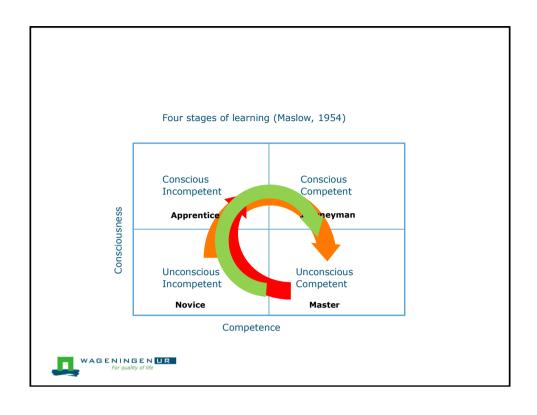
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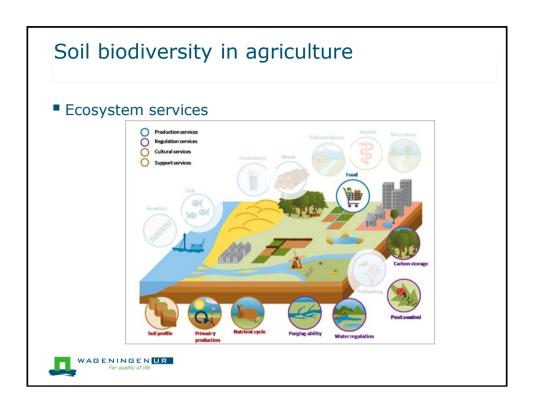


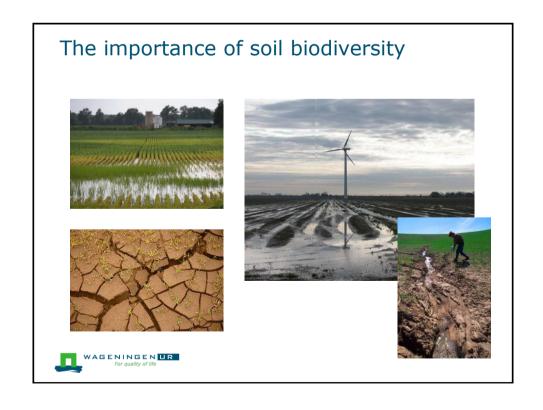














Why farmers don't seem to care?

- A *feeling* of having few options
- Short term priorities
- Apparently, few consequences of bad choices (resilient systems)
- Long reaction times, cause-effect relationships not evident
- Low levels of knowledge
- Fragmented information
- Complexity of soil life ('black box')



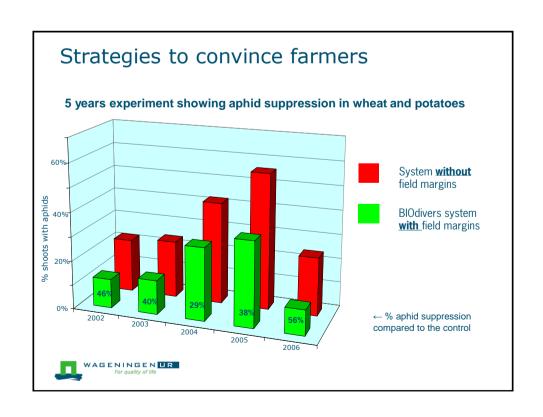


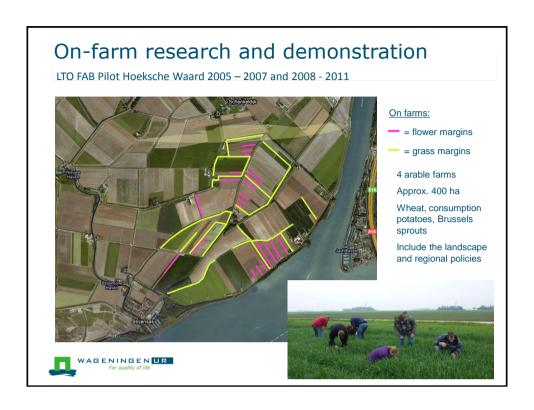
Parallels farmers perceptions of above-ground biodiversity

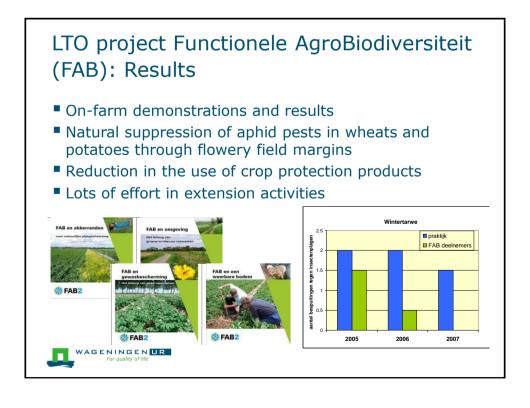
- Nature & landscape elements cause troubles (pests, weeds, diseases)
- Costly field margins
- Difficult to manage
- No clear, direct benefits, effects (pest control) not evident
- Low levels of knowledge
- Fragmented information
- Complexity of ecosystems

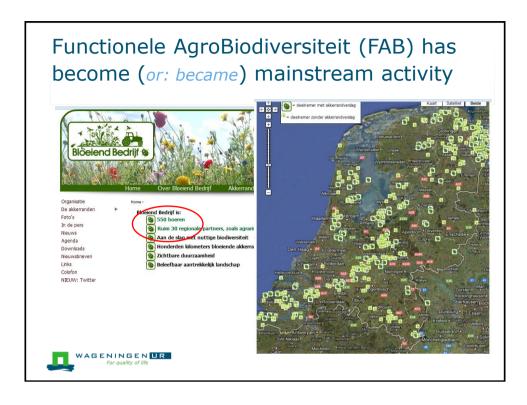












Some critical notes

- Topics become trends and hypes
 - difficult to maintain lasting attention, financial support and research efforts
- For FAB a 10 -15 years process
 - > FAB still not standard policy (subsidies, CAP)
- To change farmers perceptions requires
 - > prolonged, active learning in groups
 - ➤ in the field
- Key factor for success:
 - Clear, direct benefits for the farmer's income and labour





