



Session 3: Recommendations for farmers, advisors and trainers

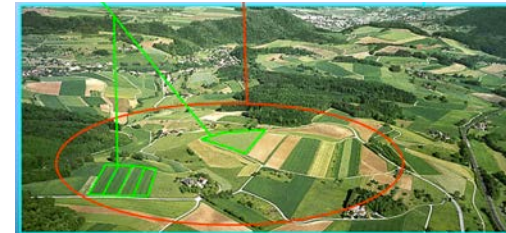
Caroline Gibert – SOLAGRO





Reconsidering time and scales to manage biodiversity

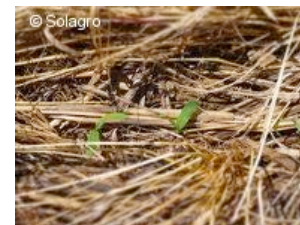
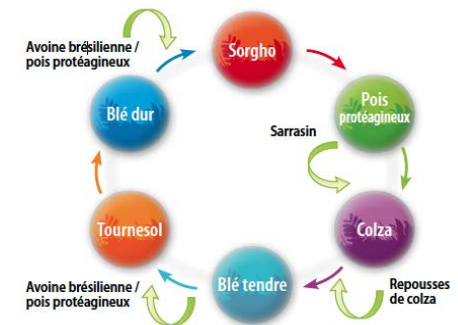
- Long-term process : Preventive approach
- Natural enemies and pest control
 - Proportion of SNH in the surrounding landscape
- Pollinators and pollination
 - More impact on adjacent SNH at farm scale
- Promoting at farm AND landscape scales
 - Collective management for plant protection
 - Conservation biological control





Promoting environmental friendly practices

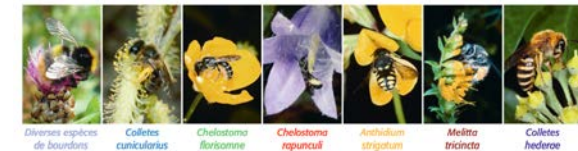
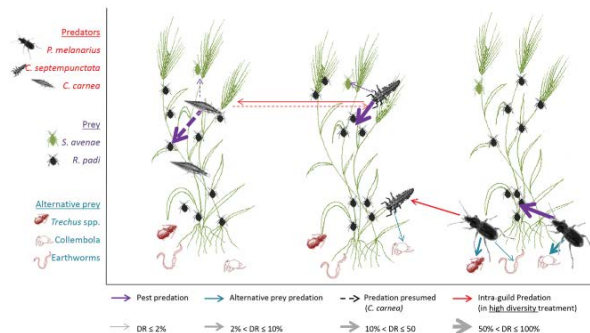
- Promoting pesticide reduction (herbicide & insecticide):
 - No systematic spraying: IPM, OF
 - Proposals of alternative practices by cooperatives or service advisors to reduce pesticide use
- Complementarity between other farming practices
 - Low soil tillage, mulching, cover crops
 - Long rotation and intercropping
 - Mowing instead herbicide use
 - Organic fertilizer
 - Cultivar choice





Knowledge transfer (1/2)

- To better understand beneficials requirements
 - Identification (plants, arthropods, ...)
 - Plant resources (nectar, pollen...) & functional traits
 - Key SNH
 - Functional roles
 - Importance of perennial habitats
 - How to manage them
 - Complementary communities of beneficials



Food web concept





Knowledge transfer (2/2)

- To disseminate
 - Conservation biological control
 - Integrated Pest Management
 - Agroecological principles

Top Down
regulation



Bottom
up

- Funding for
 - Training sessions
 - Development and dissemination of decision support tools : e.g. herbea www.herbea.org, online platform to promote conservation biological control, key host plants for beneficials environmental friendly practices





More evidence that functional biodiversity « works »

- More dissemination of the « success stories »
- Learn from each other:
 - Know-how,
 - Functional ecology and biological cycles, measure of ES delivery
 - Promoting research-training-development programs
- Co-innovation research to better integrate
 - Farmers' needs → e.g. more concerns about soil...
 - Agroecological practices that are
 - Locally-specific
 - Knowledge and management-intensive
 - Multifunctionality of SNH
 - Food production, firewood, soil fertility and reduction of erosion



Bottom-up and local approaches





Thank you for your attention !



Caroline Gibert & Philippe Pointereau

caroline.gibert@solagro.asso.fr

philippe.pointereau@solagro.asso.fr



<http://www.solagro.org/>

