



25-26 June 2019 in Lisieux,
Normandy - France

Thematic Session 1: How to reduce the use of inputs as a way to increase the self-sufficiency of farms?

Workshop 1.2: Plant health

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<https://www.reseaurural.fr/Sommet-agri-innovation-2019>

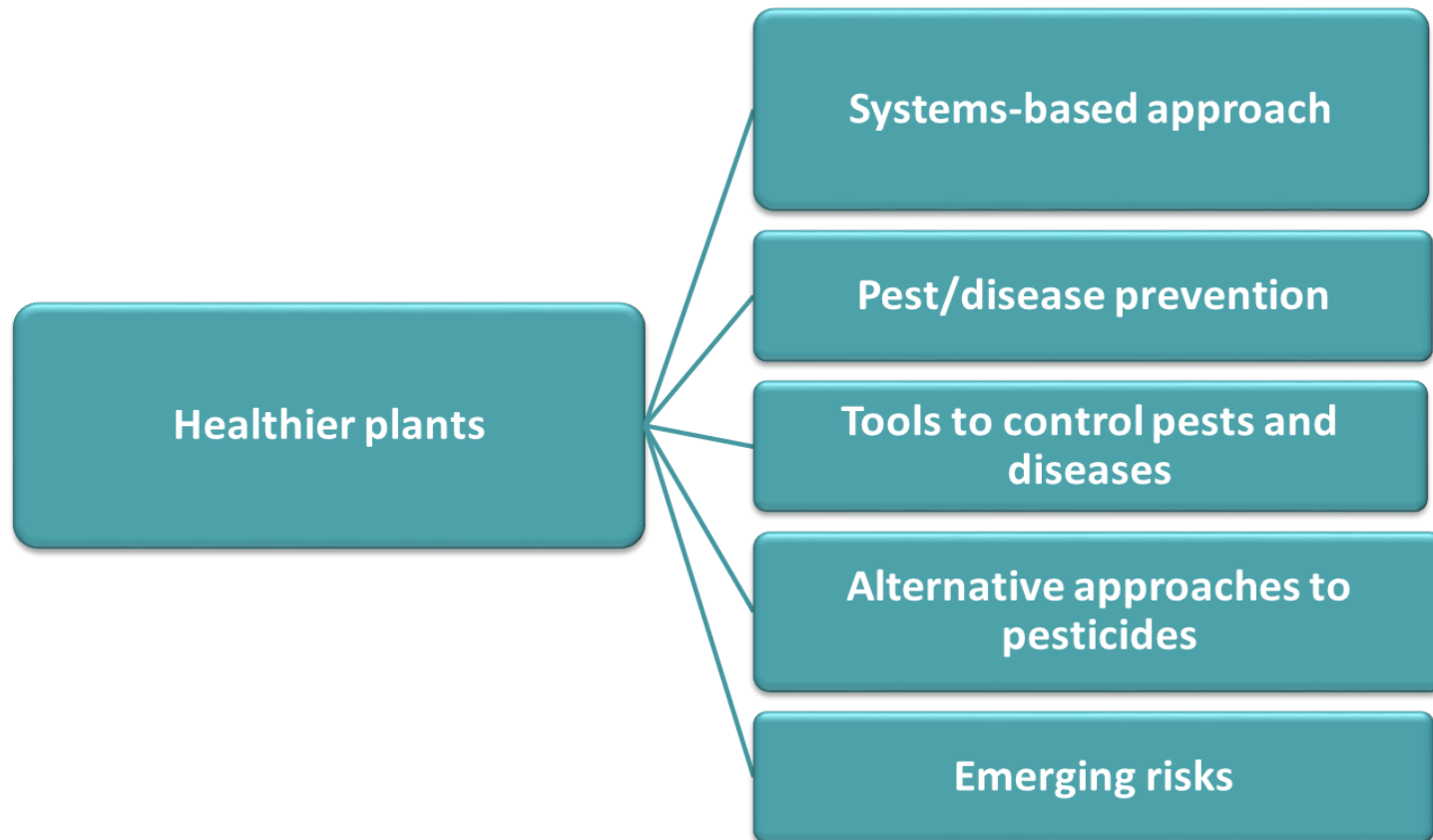
<https://ec.europa.eu/eip/agriculture/en/event/agri-innovation-summit-2019>



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Workshop 1.2 Plant health



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Relation with the agro-ecology principles:



Diversity



Efficiency



Synergies



Resilience

Some examples of existing innovations and solutions:

- farming systems and practices: diversification, rotation, reduced tillage, strip-cropping, biological control...
- landscape elements (hedges, grass buffer strips) to regulate pest cycles (eg., the development of pests' natural predators)

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There are opportunities and positive side effects...

- Consumers' demand for food produced with sustainable practices
- Increased resilience and sustainability (social – economic – environmental)
- More ecosystem services (biodiversity)
- Controlled traffic farming (less soil compactation)
- Policies (CAP, Sustainable use of pesticides Directive)
- Digital technologies
- Key role for interactive innovation, co-creation, knowledge exchange



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...but there are also challenges:

- Pesticides are quite cheap and easy to use!
- Increased complexity of farming systems
- Limited understanding of plant/soil biology and biodiversity
- Lack of value chains and markets (eg., diversification)
- Extrapolate solutions (pedo-climatic conditions)
- Role of (independent) advisors
- Compensate farmers for providing ecosystem services



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Question 1: What are the most promising innovations ?

Question 2: What will it take to implement or scale up these innovations in my sector / region / activities?



Have a good discussion!

