



FROM ITS ROOTS
organic inspires life.



**Organic World
Congress 2021**

Workshop:
8th of September 2021

**Diversified strip- and inter-cropping
systems: what can we gain in modern
organic farming?**



STRIP-CROPPING SYSTEMS ROBOTIZATION: PROTOTYPE DESIGN GUIDELINES FOR TARGETED FERTILISATION

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- SUREVEG project: **Organic farming in a strip-cropping layout**
- **Our task: “Smart machinery for strip-cropping systems” (WP4)**
- Aimed at fostering biodiversity (above and below ground), enhancing interactions between species (mycorrhiza, pollination, other agro-services) and improving nutrient usage (N recycling)
- <https://projects.au.dk/coreorganiccofund/core-organic-cofund-projects/sureveg/>



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Stripped crops: pros & cons



Advantages of strip-cropping:

- Better use of nutrients
- More biodiversity, above & below
- Agro-services: pollinators, natural predators, mycorrhiza...
- and others

But, from a technological, field-operation, point of view:

- How to deal with machinery in such a field?
- How to plan operations?
- How to select neighbours / subsequent crops?

Some questions arise:

1. Which bottleneck in strip cropping can be solved by introducing robotics in a strip cropping system?
 - a) Planting/ sowing
 - b) Pest and Disease control
 - c) Weed control
 - d) Harvesting
 - e) Other
2. Do you think that farmers / consumers / governments are prepared for the introduction of robots in the fields?

(short video or part of it)

