

# Strip-cropping and recycling of waste for biodiverse and resource-efficient intensive vegetable production

Hanne Lakkenborg Kristensen Email: Hanne.Kristensen@food.au.dk

## Challenges addressed by the project

- Current practices damage the credibility of organic production
- Fertilizers of conventional origin need replacement by organic ones
- Resource-efficiency and biodiversity in cropping systems need to be improved



## Main activities

- Design and test strip-cropping systems
- Develop soil-improvers and fertilizers based on pre-treated plant residues
- Document effects on biodiversity and soil fertility
- Develop technologies for management of strip-cropping systems

## Expected results and benefits for end-users

- New production methods based on sustainable use of soil and landscape resources to ensure European citizens with balanced and safe food
- Lower dependency on biopesticides and non-organic fertilizers
- Improved soil fertility in intensive vegetable cropping systems
- Positive environmental impact on water quality and landscape biodiversity