

Can combined food/non-food cropping systems facilitate transitions to agroecological systems in Europe?

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Making the transition! But on which type of land?

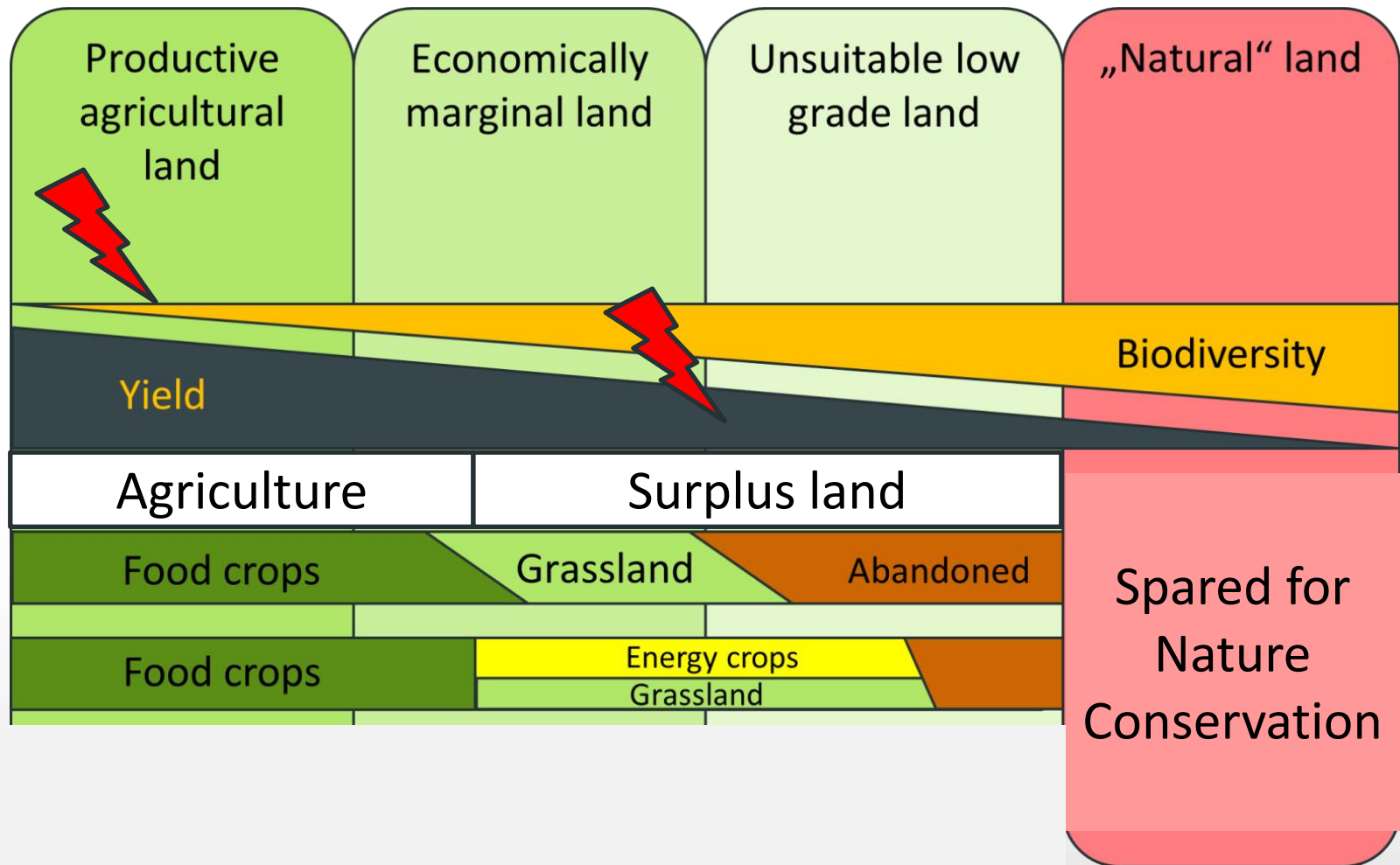
Productive
agricultural
land

Economically
marginal land

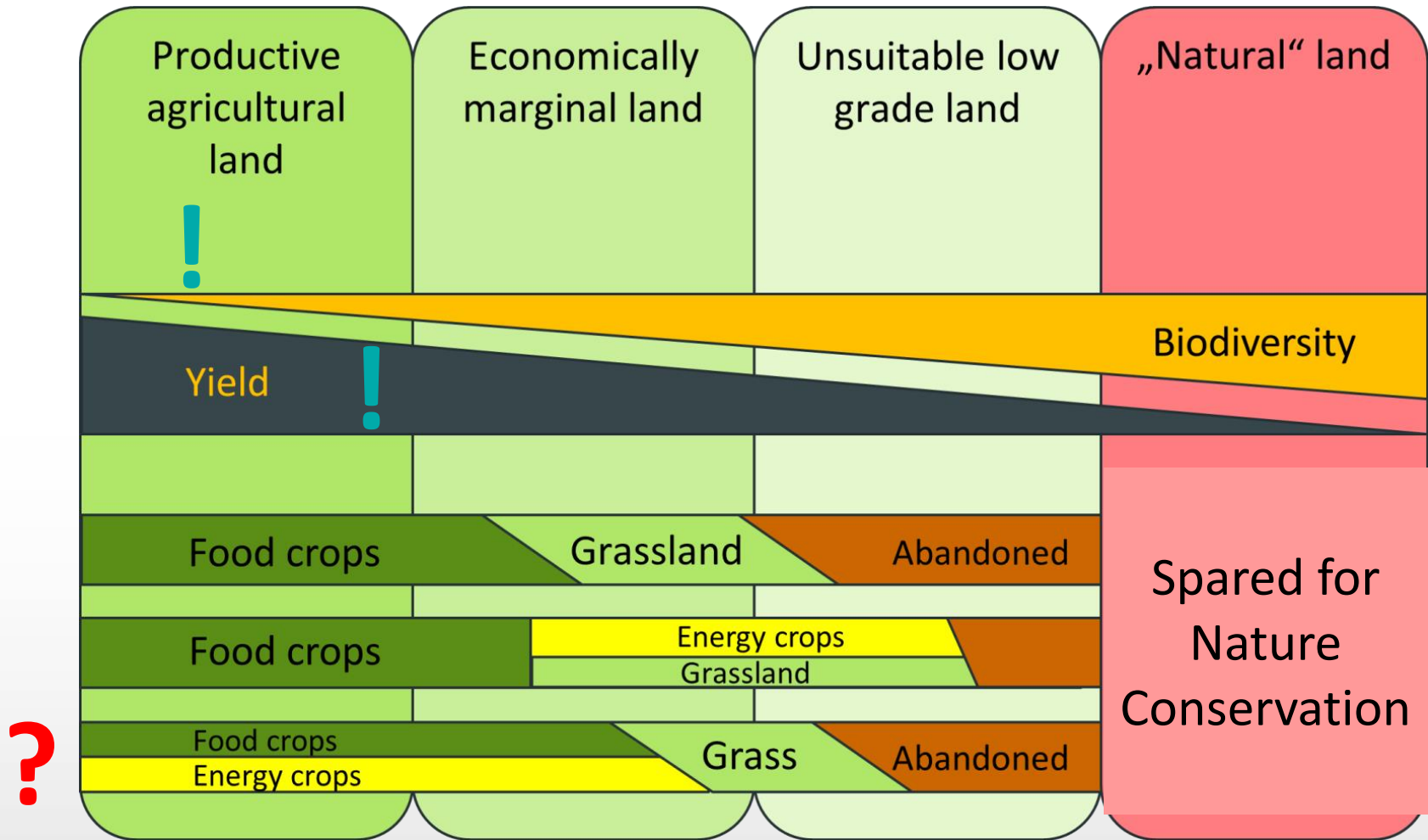
Unsuitable low
grade land

„Natural“ land

Segregation: Food first on productive land



Integration: Combined food/non-food systems



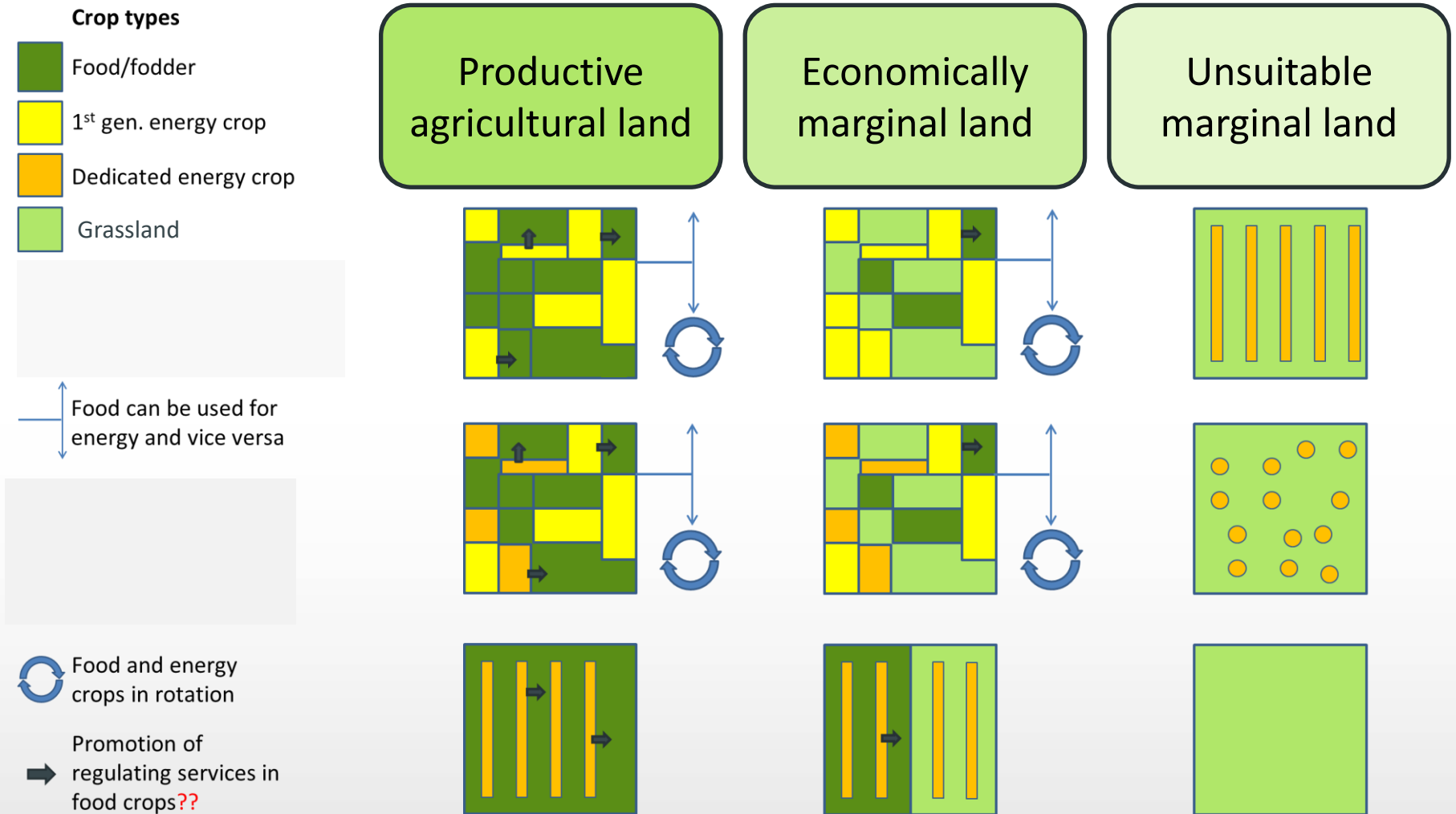
Examples of combined food/non-food systems

- Agroforestry systems (silvo-arable, silvo-pastoral)
- Multicropping systems:
 - Double cropping
 - Relay cropping
 - Intercropping
- Mixed crop rotations with food and non-food crops
- Perennial crops interspersed with annual crops at the landscape scale

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Scenarios of combined food/non-food systems

Do non-food-crops function as service crops?



Questions

- Which type of combined food/non-food cropping system on which type of land?
- Which constraints have to be overcome for such a transition?
- Could non-food crops fulfil a double-function: provisioning and regulating ecosystem service?



Thank you!

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