

Farming the Future – Building Rural Networks for Climate-Adaptive Agriculture





Netherlands



Belgium

Showcasing Agroforestry as Climate Smart Agriculture



Building rural networks for climate-adaptive agriculture.

Agroforestry is “the deliberate integration of woody vegetation (trees and/or shrubs) as an upper storey on land, with pasture (consumed by animals) or an agricultural crop in the lower storey.

WOODY:

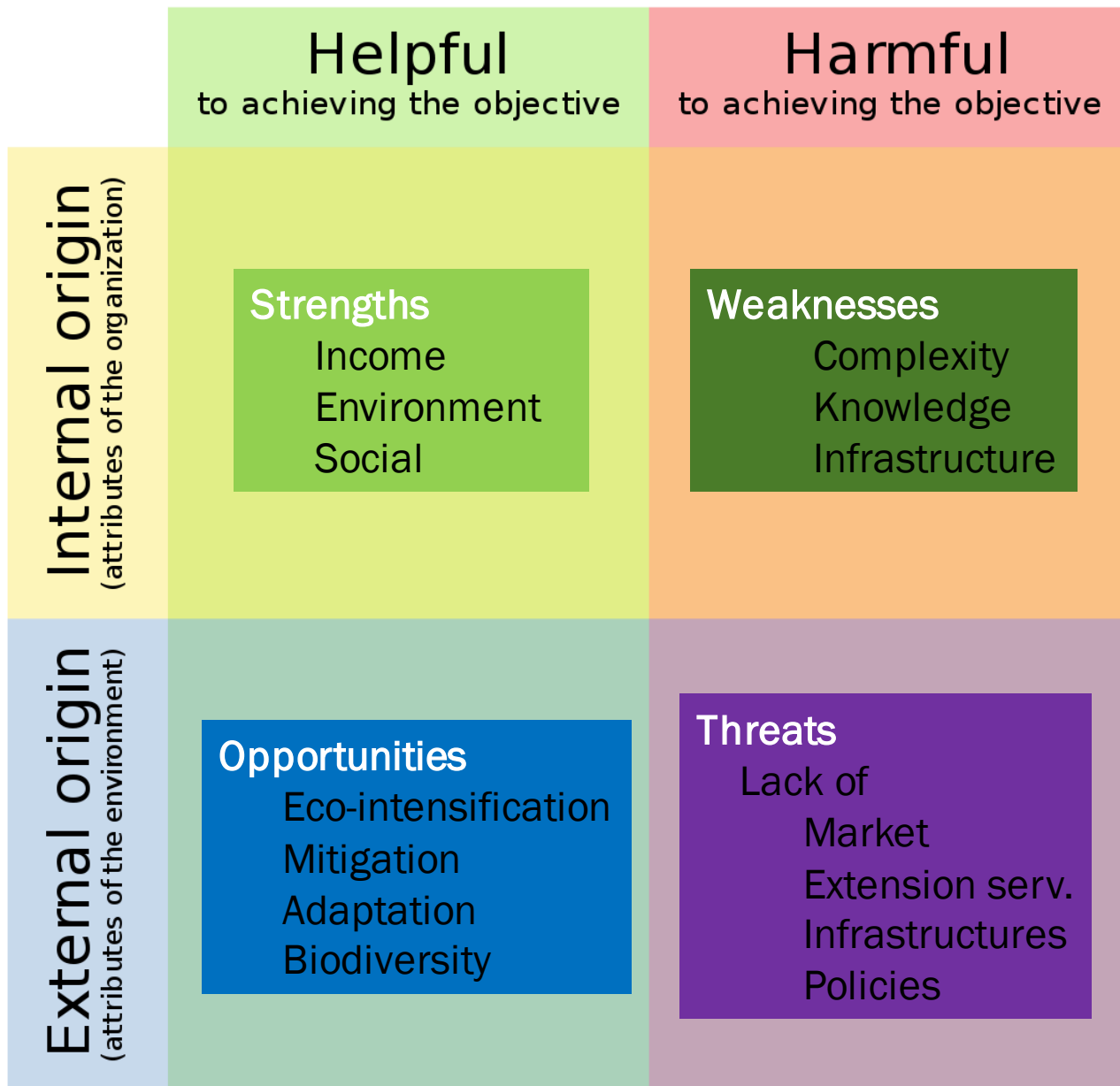
Evenly or unevenly distributed

Borders inside plots

PARLIAMENTARY SESSION AFINET (9/12/2019)

**Sustainable land use (FAO)
Climate Smart Agriculture**





Source: PARLIAMENTARY SESSION AFINET (9/12/2019)

Climate adaptive agriculture through diversification, crop, livestock & tree



No increase in N inputs over time & resources' circularity



Increase profitability through crop diversification & lower risk



Decrease in P & K inputs



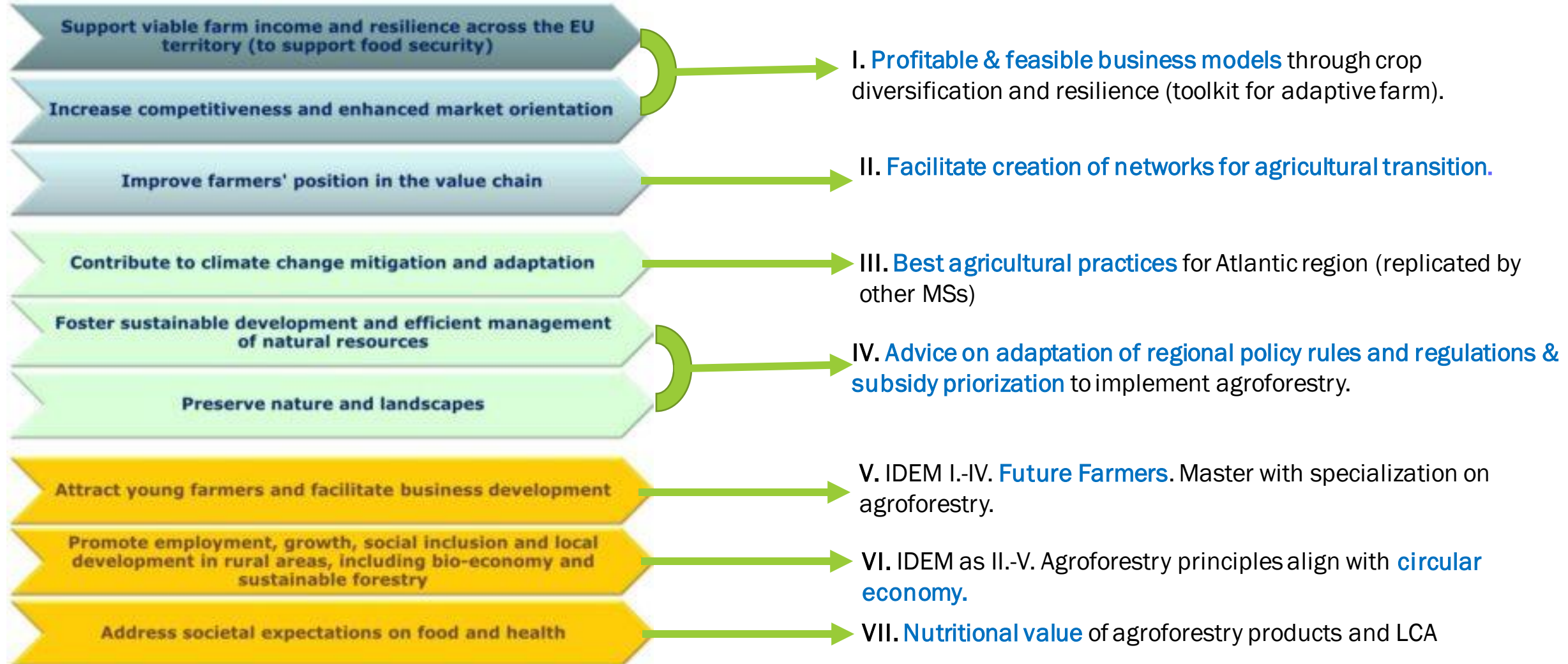
Yields are stable and resilient against erratic weather variation



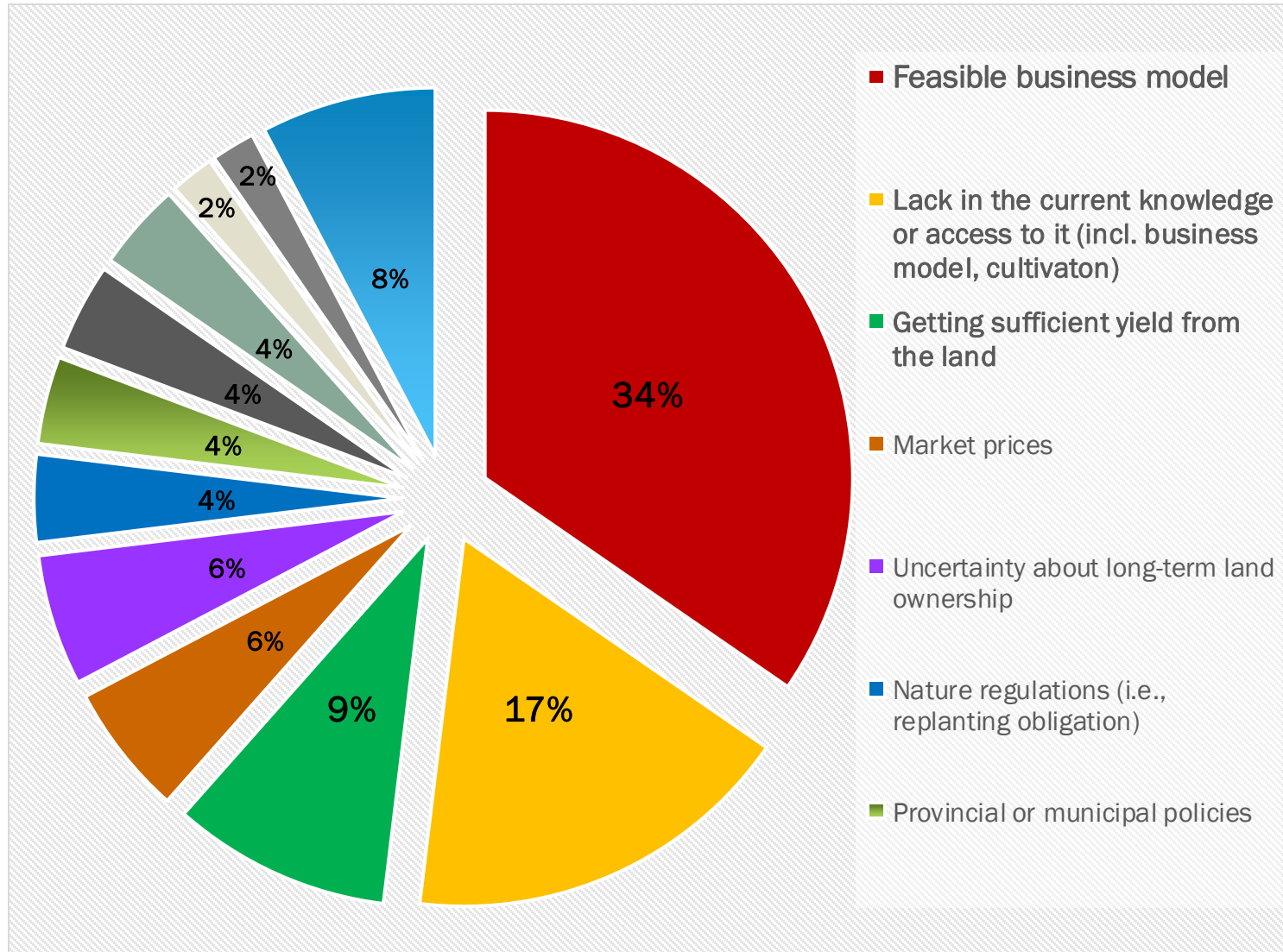
Increase soil C sequestration

Contribution to environment and/or climate, and economic/social terms

EU Objectives



Lessons learned for upscaling and replication



Key 1. Profitable business models

Efforts needed at different levels:

(a) *Farm level* = Profit & Loss models

(b) *Provincial/municipal level* = Adaptation of regional policy (e.g., obligation for replanting)

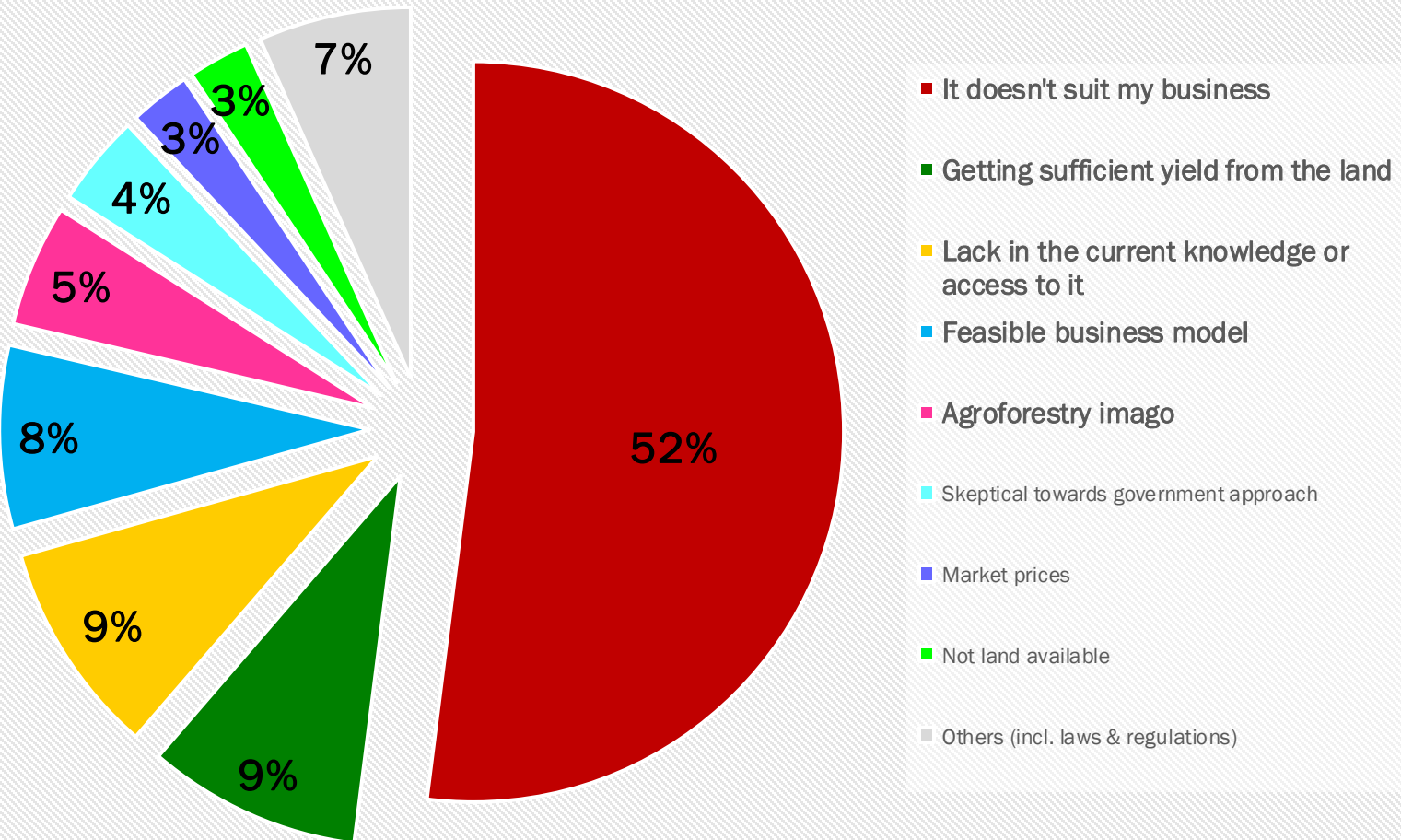
(c) *National level* = Alignment of national policies with EU. NL=> CAP subsidies for agroforestry. Crop code for agroforestry.

Challenge = Agroforestry is perceived as too risky investment, especially in the initial costs. Support by provinces varies greatly.

What are the main barriers to implement agroforestry? (N=52, already implementing)

Source: Preliminary results of online survey of Farm Life

Lessons learned for upscaling and replication



Key 2. Farmers Networks

Network creation for **knowledge sharing, brokering, and advocating:**

(a) Farm level & Provincial/municipal level = Farmer-to-farmer advocacy, to see is to believe. Facilitated by provinces/municipalities (\$)

(b) National level = Facilitation and subsidies for network forming.

Challenge = Knowledge is still incipient and fragmented in NL. Knowledge is not provided centrally and is not always validated.

What are the main barriers to implement agroforestry? (N=77, not yet involved)

Source: Preliminary results of online survey of Farm Life

Lessons learned for upscaling and replication

Key 3. Governance

- (a) **Legal framework.** Agricultural land should not become conservation land, exemption of e.g. replanting obligation
- (b) **Subsidy program.** Economic incentives - minimize risks: **covering initial investment & first 5-6 yrs.** E.g. in BE, 1-time planting subsidy (maximum 80% of costs, excl. VAT), through Programma voor Plattelandsontwikkeling (PDPO III).
- (c) **Room for experimentation** temporarily **exempt from specific regulations, additional funding.**
- (d) Subsidies need to be smart to give **room for innovation while minimizing risks.**

Future CAP interventions to mainstreaming or replicating AGROFORESTRY

Pillar I

AF FULLY ELIGIBLE FOR DIRECT PAYMENTS:

Arable and permanent grassland when

i. 'AF option' included in: arable land, permanent grassland and permanent crops.

ii. Recognition of **ecosystem services**

iii. AF part of Greening and Ecoschemes

iv. **Management plan** incl. minimum tree density (selected by member states), i.e. initial and final tree density.

Future CAP interventions to mainstreaming or replicating AGROFORESTRY

Pillar II

AF FULLY ELIGIBLE FOR PAYMENTS:

AGRICULTURAL LANDS

- i. AF on agricultural land incl. maintenance payments (as of afforested/reforested lands)
- ii. Improved management and recovery of already existing agroforestry lands.
Management plans eligible

FOREST LANDS

- i. Establishment & maintenance of forest farming and forest grazing (if not included as Established Local Practices).
- ii. Support management improvement of forest farming and forest grazing of existing agroforestry areas.

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Agroforestry
for climate
adaption.

<https://www.farm-life.eu/>

