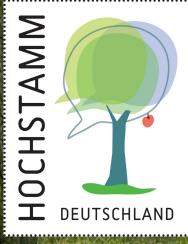


International Agroforestry Conference Plenary 4: Agroforestry markets, products, added value



Our mission: Preservation through cultivation

- More awareness for orchard meadows
- More awareness for orchard meadow p
- More consumer-oriented products as ar
- More value creation for farmers
- •NEW sources of value creation



Graphic: Korbiniar Fleischer.

International Agroforestry Conference 2023 I Hannes Bürckmann, Sophia Philipp I Hochstamm Deutschland e.V.

DAY

EUROPEAN

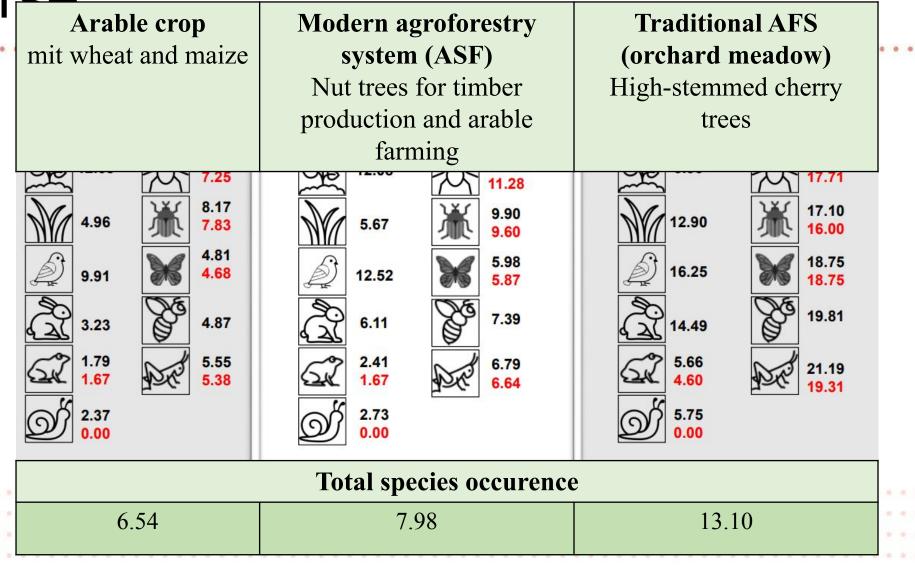
ORCHARD

Orchard meadows in Europe: worth preserving?

Graphics: fullnessdesign, C.A. Klemisch, Korbinian Fleischer



Orchard meadow: traditional, cultural, diverse



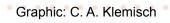
Source: Kay et al. (2019)

Orchard meadows are worth preserving. Therefore.

- Orchard meadows are already there in European landscape
- It is living diversity: high level of biodiversity
- It creates values for people: ecosystem bis services
 - Strongly pronounced: cultural services
 - It is (intangible) cultural heritage
 - Which modern agroforestry system already offers this today?







What's the challenge?

Many ecosystem services and biodiversity vs. low profitability

What are ways to monetarize ecosystem services from orchard meadows in practice?



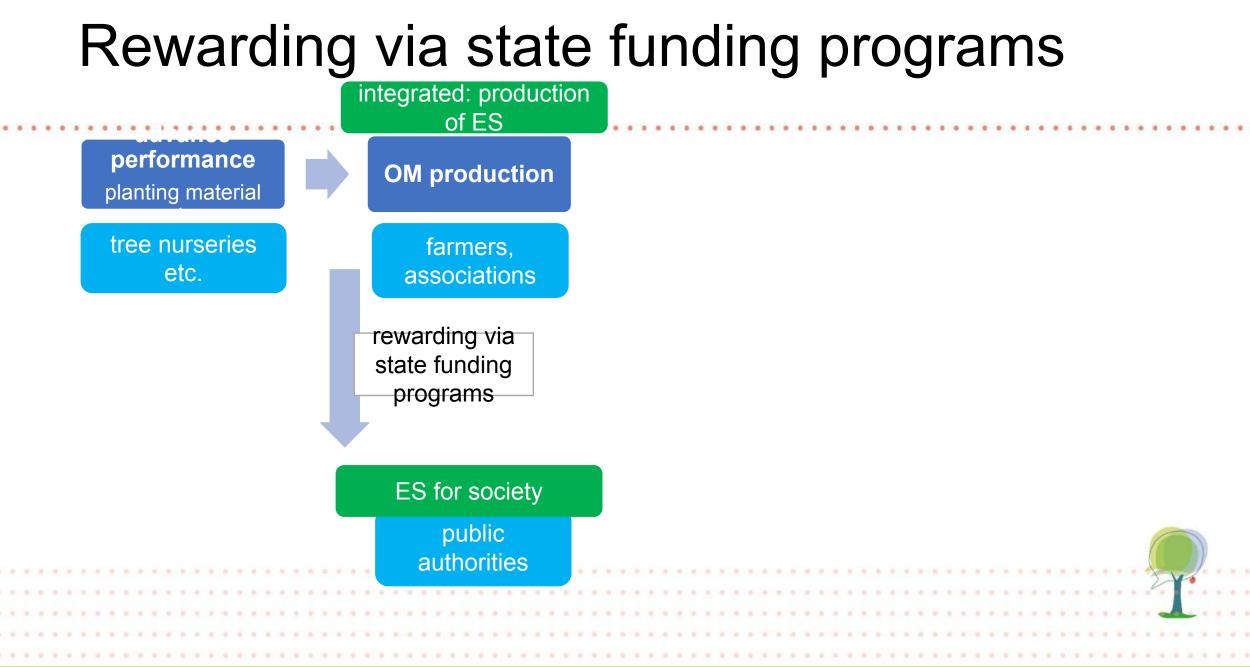


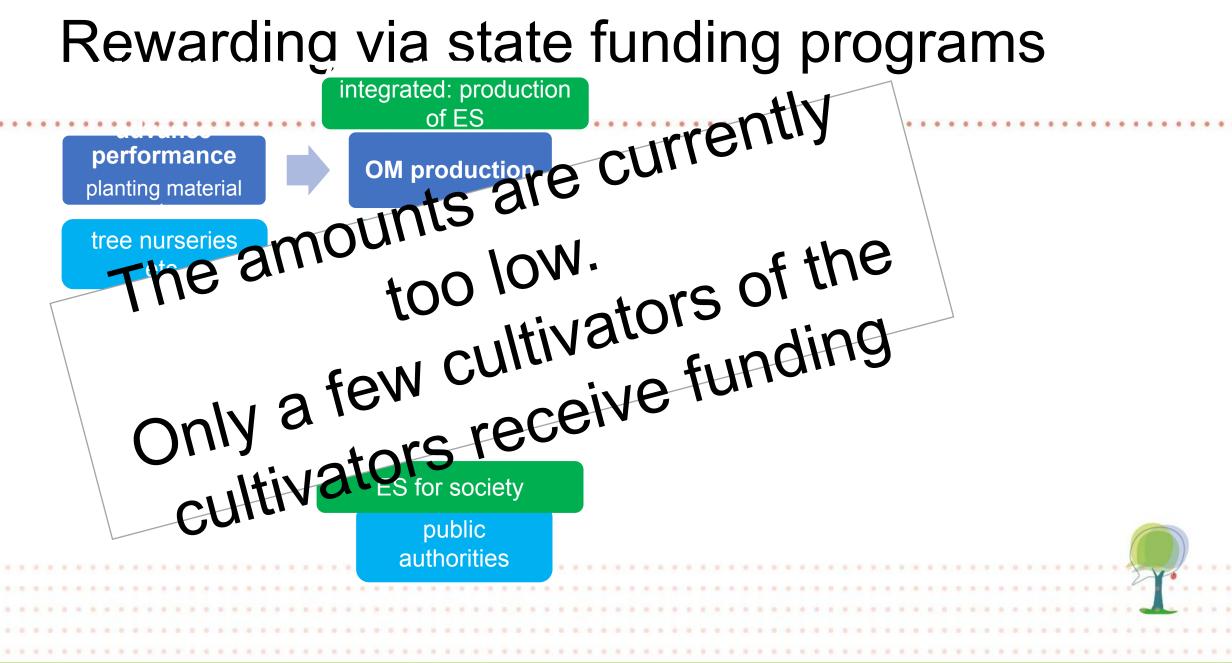
Graphic: Korbinian Fleischer

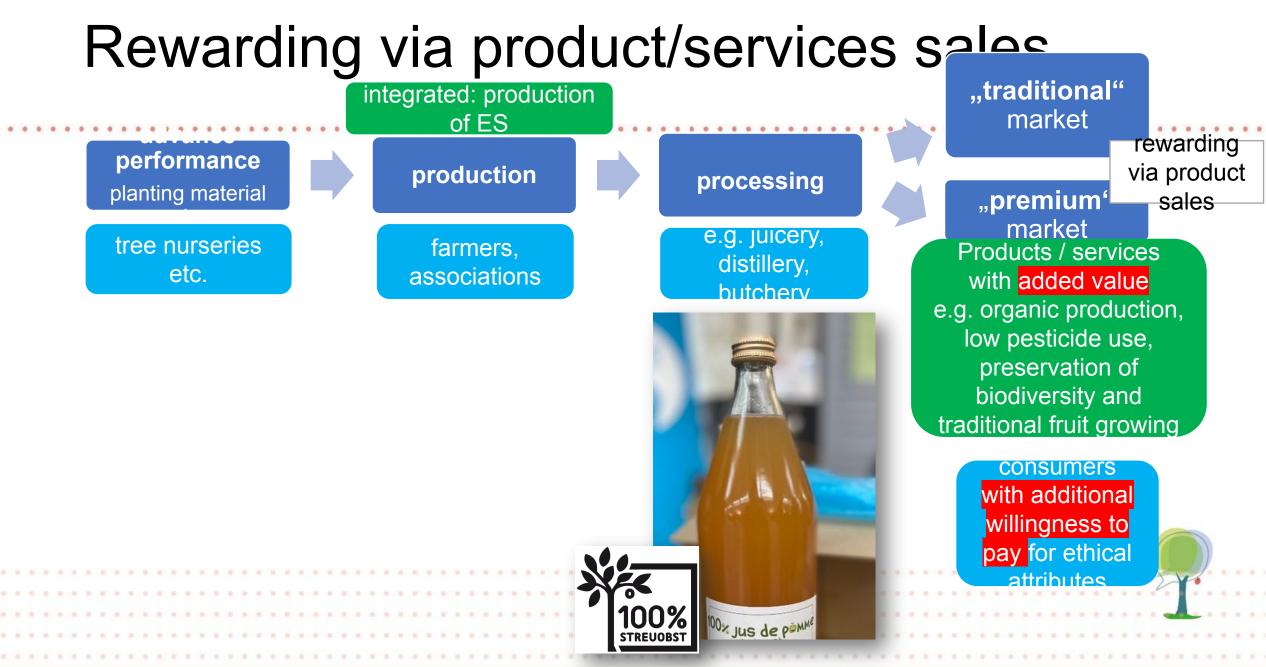
Four ways of rewarding for cultivation

- Via state funding programs (agri-environmental)
 - Ecosystem services for society
- Via product sales (food, services)
 - Traditional (conventional) market
 - Premium market
- Via sale of ecosystem services certific
- Combinations also possible

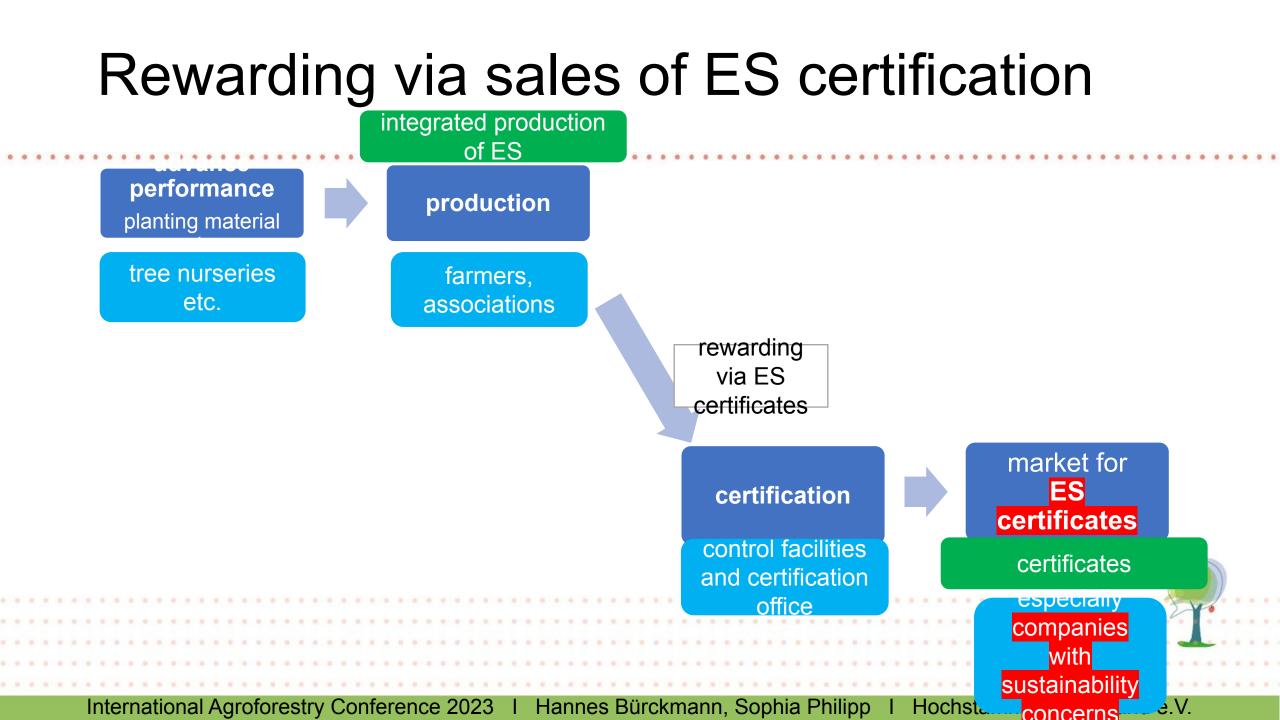


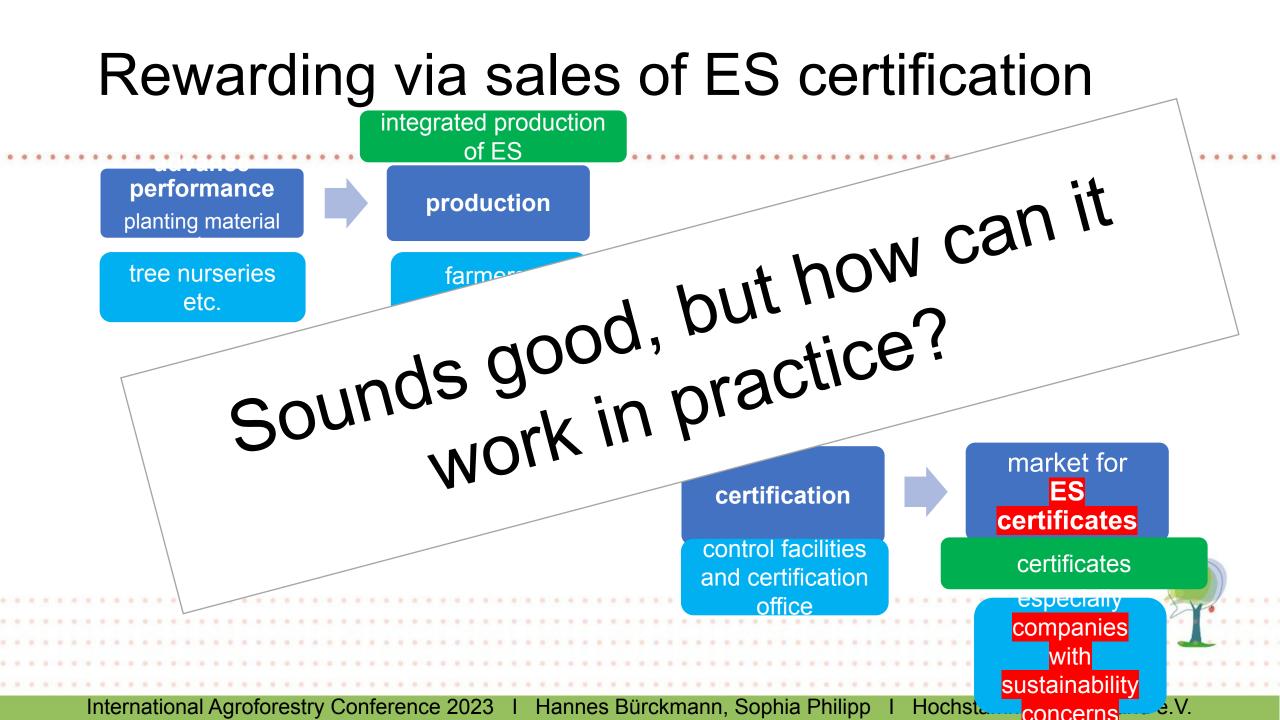


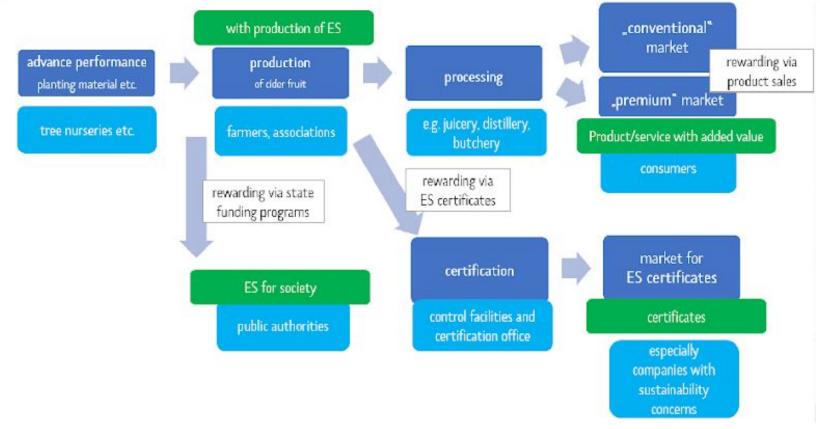


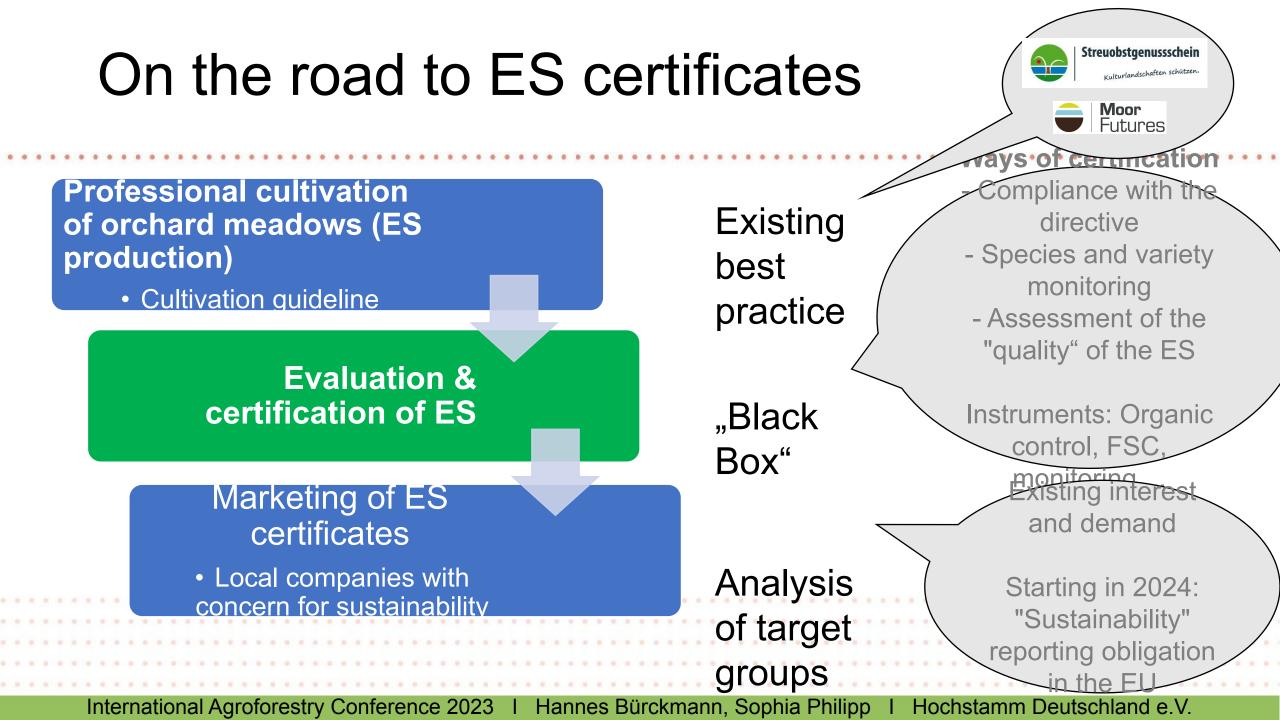












Take home messages

- Orchard meadows = traditional cultural agroforestry system in Europe
 - special strength: Biodiversity and ecosystem services (especially cultural services)
- Ecosystem services as a component of value chas as a direct monetary reward for farmers
 - Products/services with additional benefits for consume
 - ES certificates
- Potential of ES certificates: great, politically "opportune"
 - Transferability to other AFS

Thank you for your

commitment.

We look forward to seeing

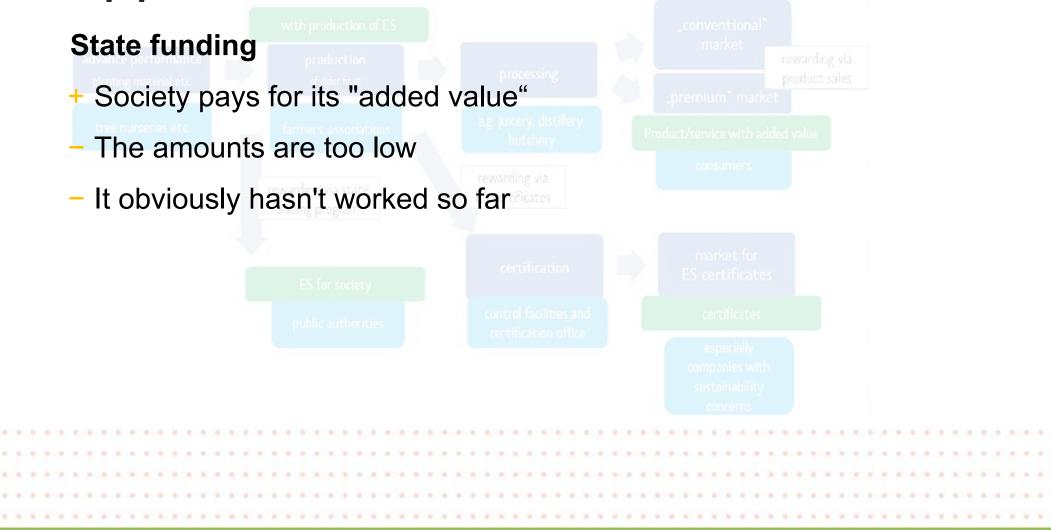
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on the European

Orchard Day April 26-28, 2024



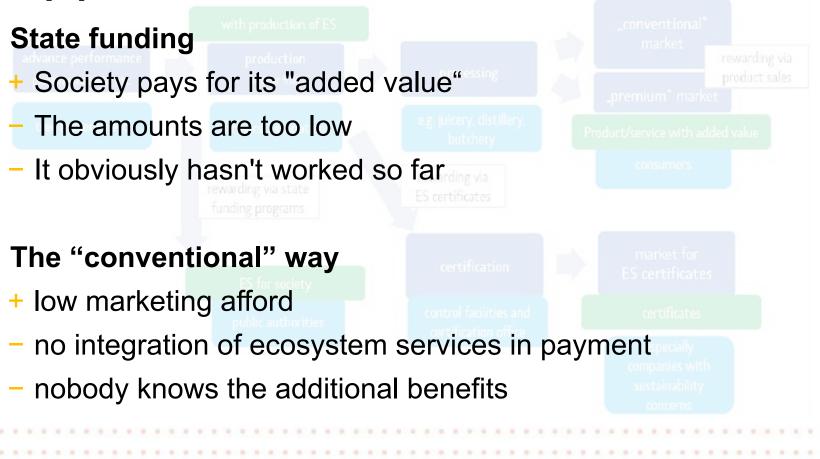
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Premium market (with additional benefit)

not enough consumers with high willingness to

higher willingness to pay

State funding

- Society pays for its "added value"
- The amounts are too low
- It obviously hasn't worked so far

The "conventional" way

- + low marketing afford
- no integration of ecosystem services in payment
- nobody knows the additional benefits

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Ecosystem services certificates

- + high demand of companies
- penefits ? system still needs to be established

References and links

- Kay, S.; Jeanneret, P.; Herzog, F. (2019): Umweltleistungen: Traditionelle Agroforstsysteme sind Biodiversitäts-Hotspot – gilt dies auch für moderne Systeme? Agroscope. Forschungsgruppe Agrarlandschaft und Biodiversität, Schweiz.
- Kay, S.; Crous-Duran, J.; Garcia de Jalon, S.; Graves, A.; Palma, J.; Roces-Diaz, J.; Szerencsits, E.; Weibel, R.; Herzog, F. (2017): Landscape-scale modelling of agroforestry ecosystems services in Swiss orchards: a methodological approach. Landscape Ecology 33: 1633-1644.
- Pilot project Orchard meadow 2030: <u>https://www.hochstamm-deutschland.de/streuobst-bewahren/erhalt-durch-nutzung</u>
 European Orchard Day: <u>https://orchardseverywhere.com/</u>