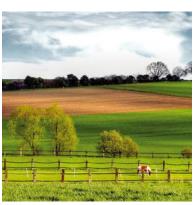


Session 2 'How is diversity applied in practice and what innovation tendencies emerge?'







'Diversity – a strategic key issue for future European agro, food and bio-economy research'

Brussels, 31.May.2017

Simone Sterly

Is diversity really a solution? It is a challenge for....





... farmers,

value chain actors,

consumer,

policy makers!

ifls

1. On farm genetic and crop diversity

Long standing trend of decreasing genetic diversity

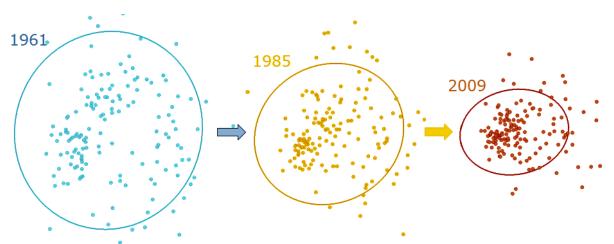


photo: https://geneticliteracyproject.org/2017/05/22/myth-busting-modern-agriculture-really-led-75-drop-crop-diversity/



photo: Marco Clausen / flicker

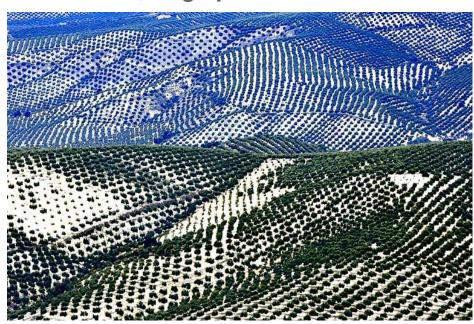
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2. Production systems

Increasing intensification, monocultures, large plots to use economis

of scale

Intensive Olive production in Spain



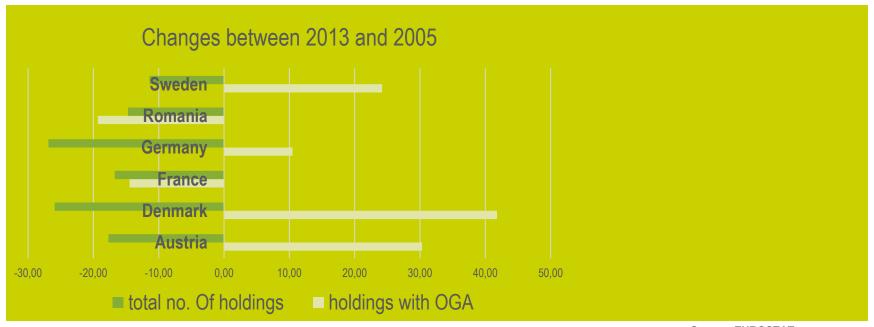


Traditional and new urban gardens in Ljubljana (photo: Avantgardens)



3. Income diversification: "Other gainful activities on-farm"

- Diverse trends in diversification in EU Member States
- female managed farms tend to have more diverse activities



Source: EUROSTAT

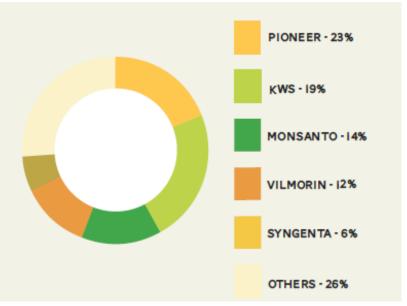
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4. Value chains

- Dominance of multi-nationals as input suppliers and in food trade
- Example seed market:
 - France, Italy, Germany, Netherlands, Slovakia have only between 120 to 350 seed companies (incl. maintainers, multipliers and traders)
 - But still around 2000 companies in Poland and Romania

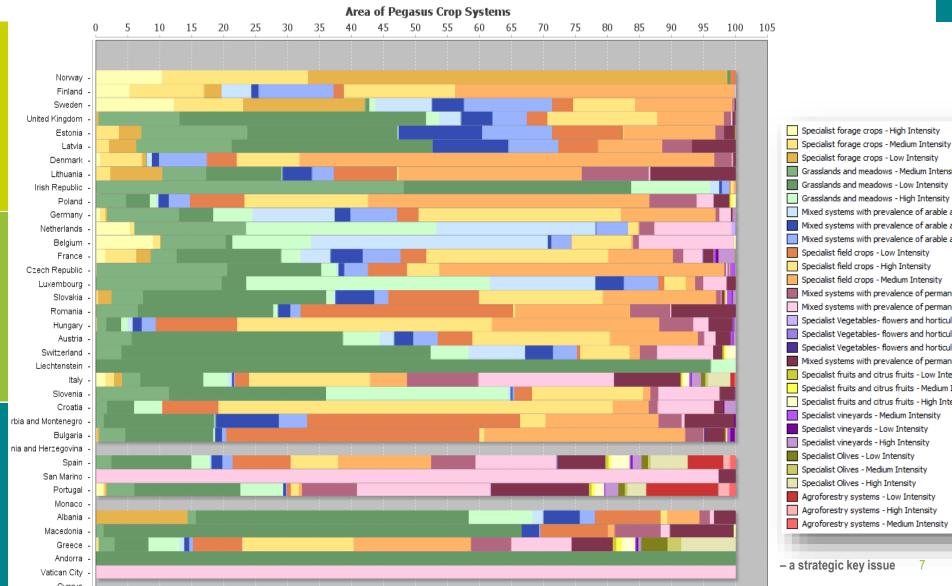
Market shares of the top 5 companies in the EU maize seed market, 2012/2013





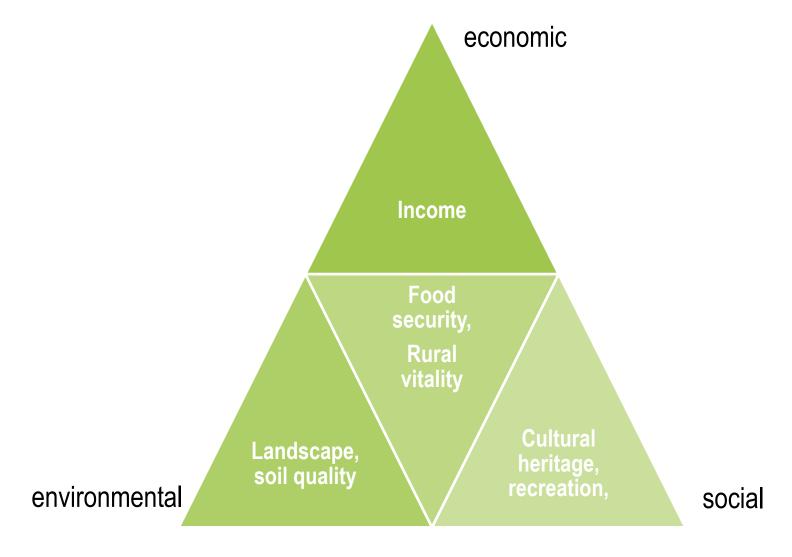


5. Dominant land uses and intensities in Europe (PEGASUS project)



Diversity can be a solution! Benefits and potentials







Diversity is a solution! How diversity can be innovative

- development of heterogenous cereal (wheat)
 population to improve ability to cope with changing and erratic wheater conditions
- Diversifying financing and income modalities: citizen shareholder corporations, CSA,
- Additional incomes: care farms, landscape maintenance
- New cooperations between diverse value chain actors:
 bioenergy regions
- Farmers, advisory, companies and researchers as partners in innovation projects – EIP operation groups





Thank you for your attention!



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