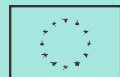


EU policy impacts on the sustainability of the livestock sector, insights from the PATHWAYS project

Nina Röhrig

31/08/2023

Ariane Sans, Karen-Emilie Trier-Kreutzfeldt, Maria Alexandra Arias Escobar, Frank Willem Oudshoorn, Nathalie Bolduc, Elsa Regnier, Pierre-Marie Aubert, Laurence Smith

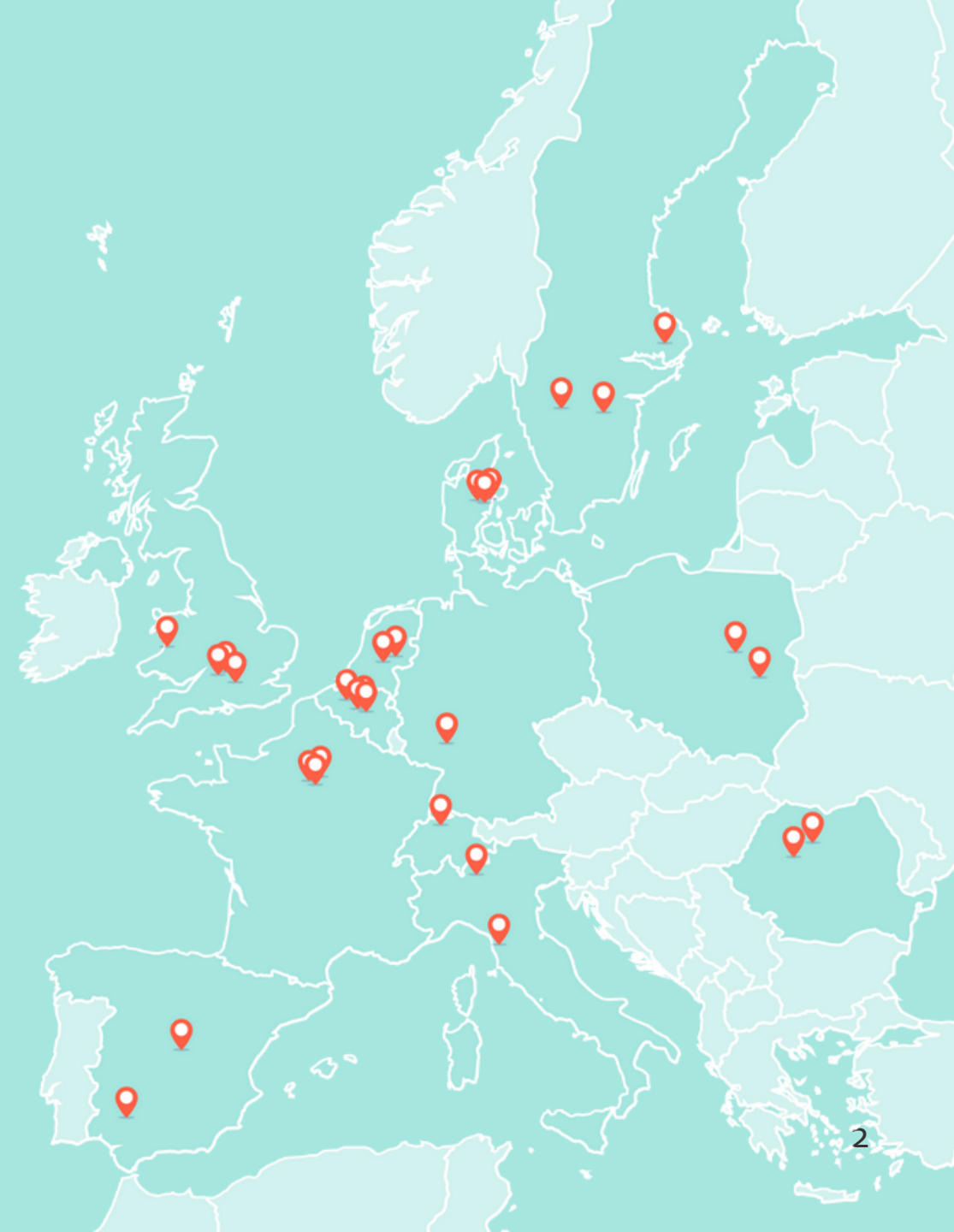


What is PATHWAYS?

- A five-year 9M EUR project funded by the European Union Horizon 2020 Work programme
- Coordinated by SLU, 30 partners
- Overarching aim is to “inform policy, research and business strategies in support of a transition to more sustainable livestock production and consumption”
- Project start date 1 September 2021



CONSORTIUM PARTNERS



1) Review of policy impacts

**2) Stakeholder engagement in
PATHWAYS**



PATHWAYS and policy

Informing development of scenarios for the livestock sector in 2050, learning from the past for policy pathways

Indicator-based sustainability framework to assess the sustainability of policies, scenarios, future systems to enable pathways formulation

→ To be used to assess systems and scenarios

Combines input from all WPs on indicator development, system definitions, policy objectives, sustainability performance metrics, stakeholder visions

→ formulate policy pathways for livestock in Europe



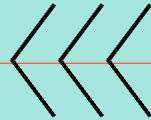
PATHWAYS policy questions

Literature review

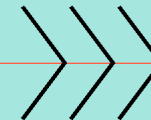
Stakeholder
interviews

Policy Analysis

Past



Present



Future

What impact did policies have on the livestock sector's sustainability? What aspects of sustainability are assessed?

Who plays a role in changing policies? What are current trends regarding sustainability of the livestock sector?

What are future objectives of policies? How might current actors and dynamics change the policy framework and affect sustainability?



Project core concepts



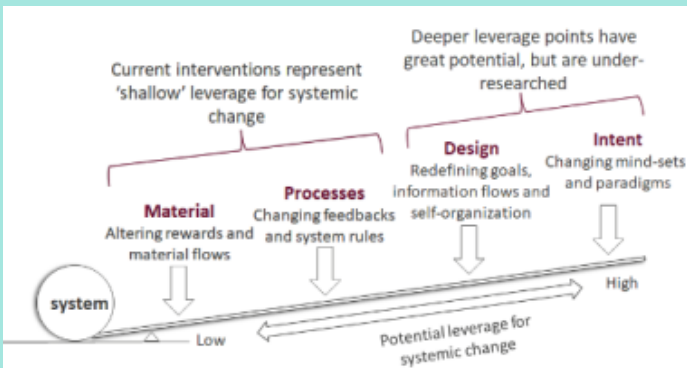
1. One welfare (Pinillos et al. 2016)

HEALTH CONCEPTS



2. Trade-offs (SAFA, FAO)

SUSTAINABILITY ASSESSMENTS



3. Leverage points (Meadows 1999, Abson et al. 2017)

BEHAVIOUR CHANGE



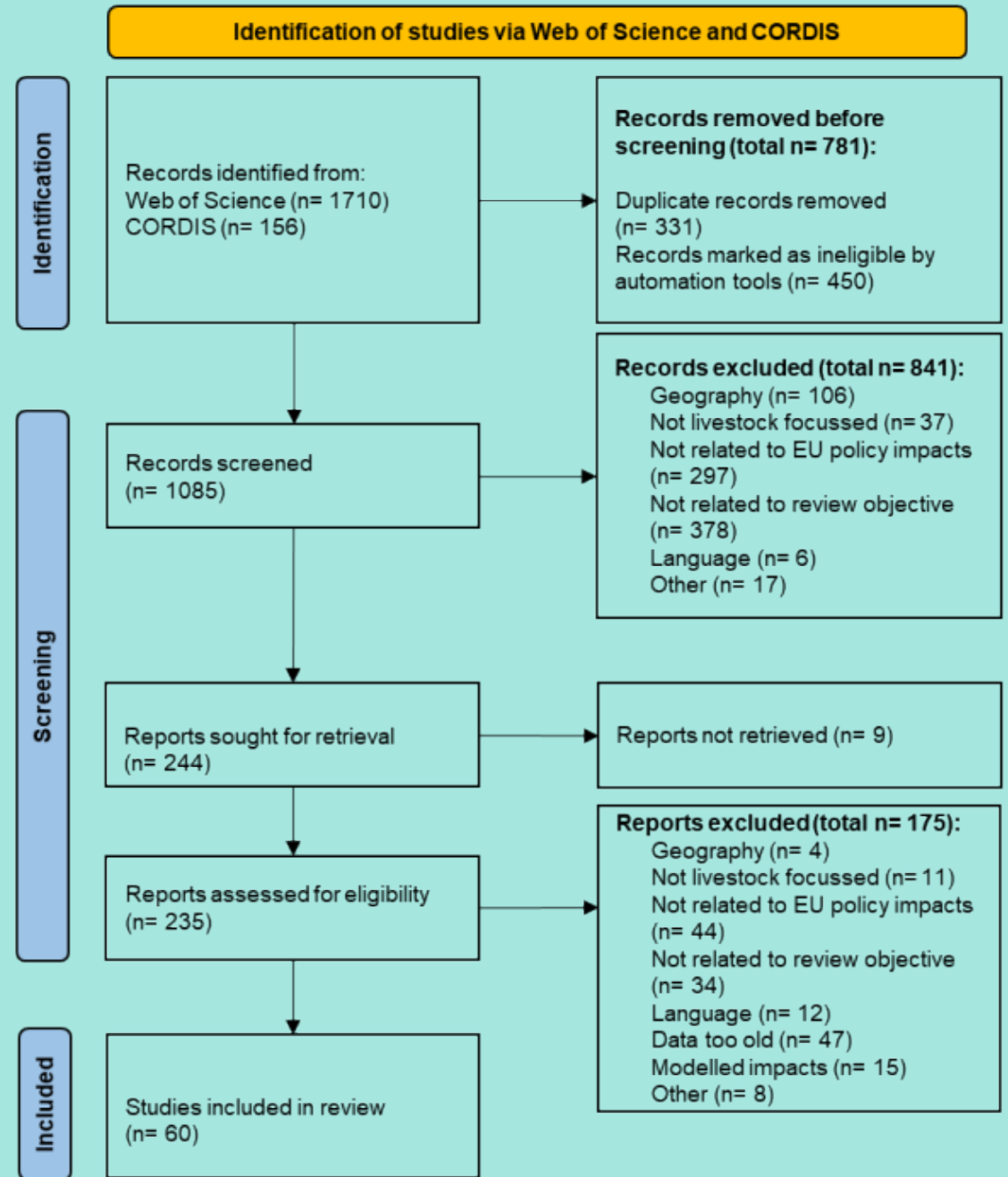
Literature Review

Carried out in 2021-22

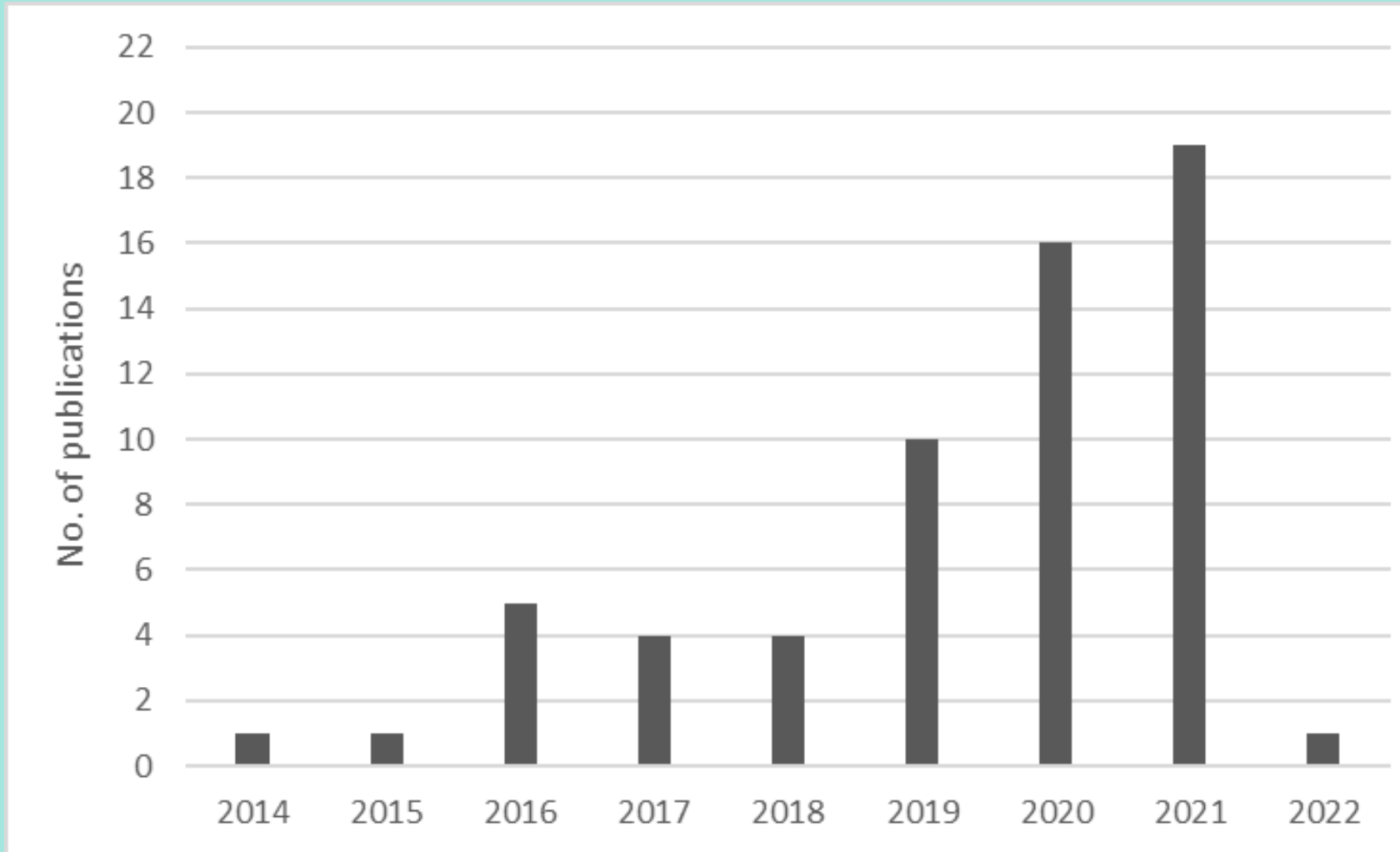
1866 initial papers, 1085 sources were screened

60 studies included

Data collection in Excel following protocol building on three core concepts; coding in NVivo



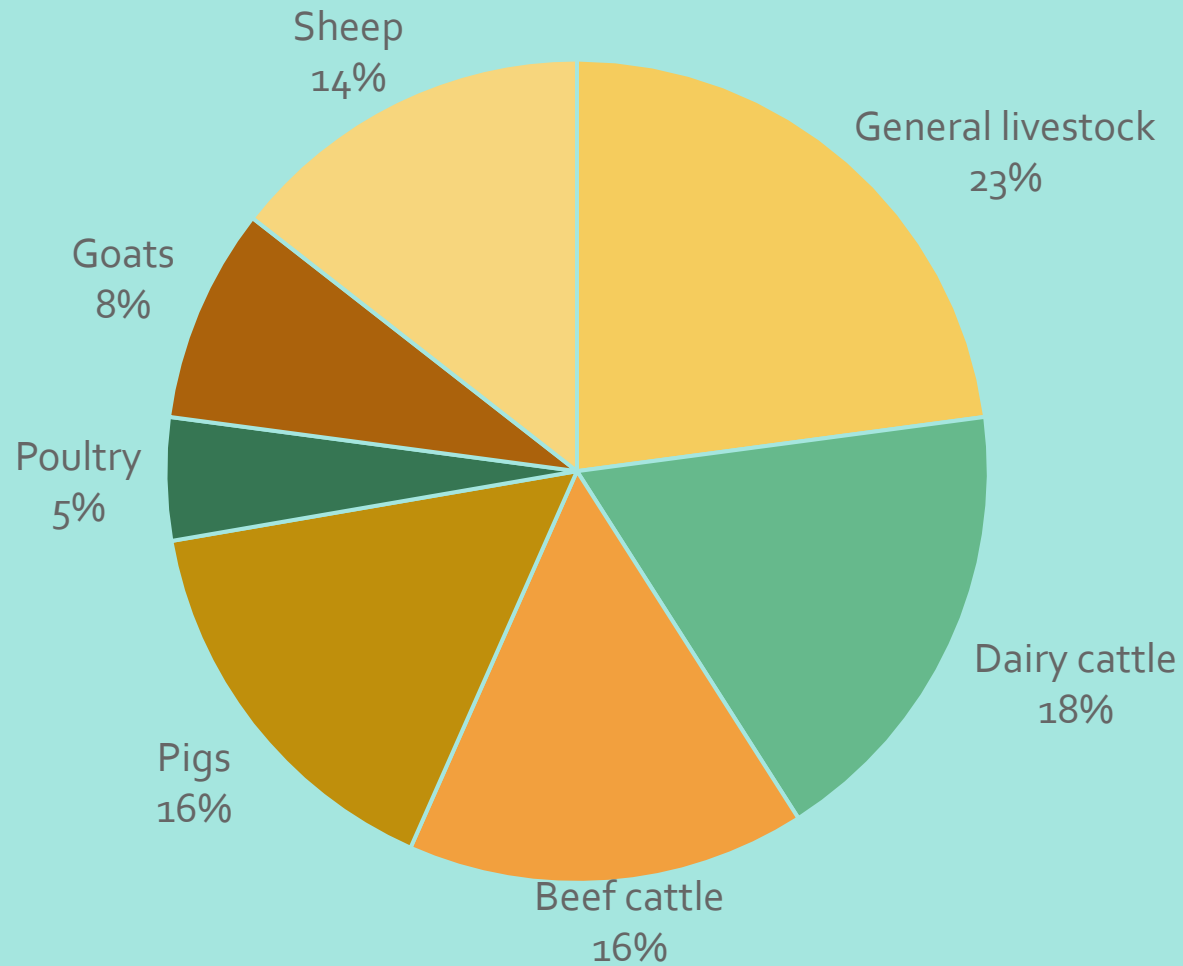
Publications included per year



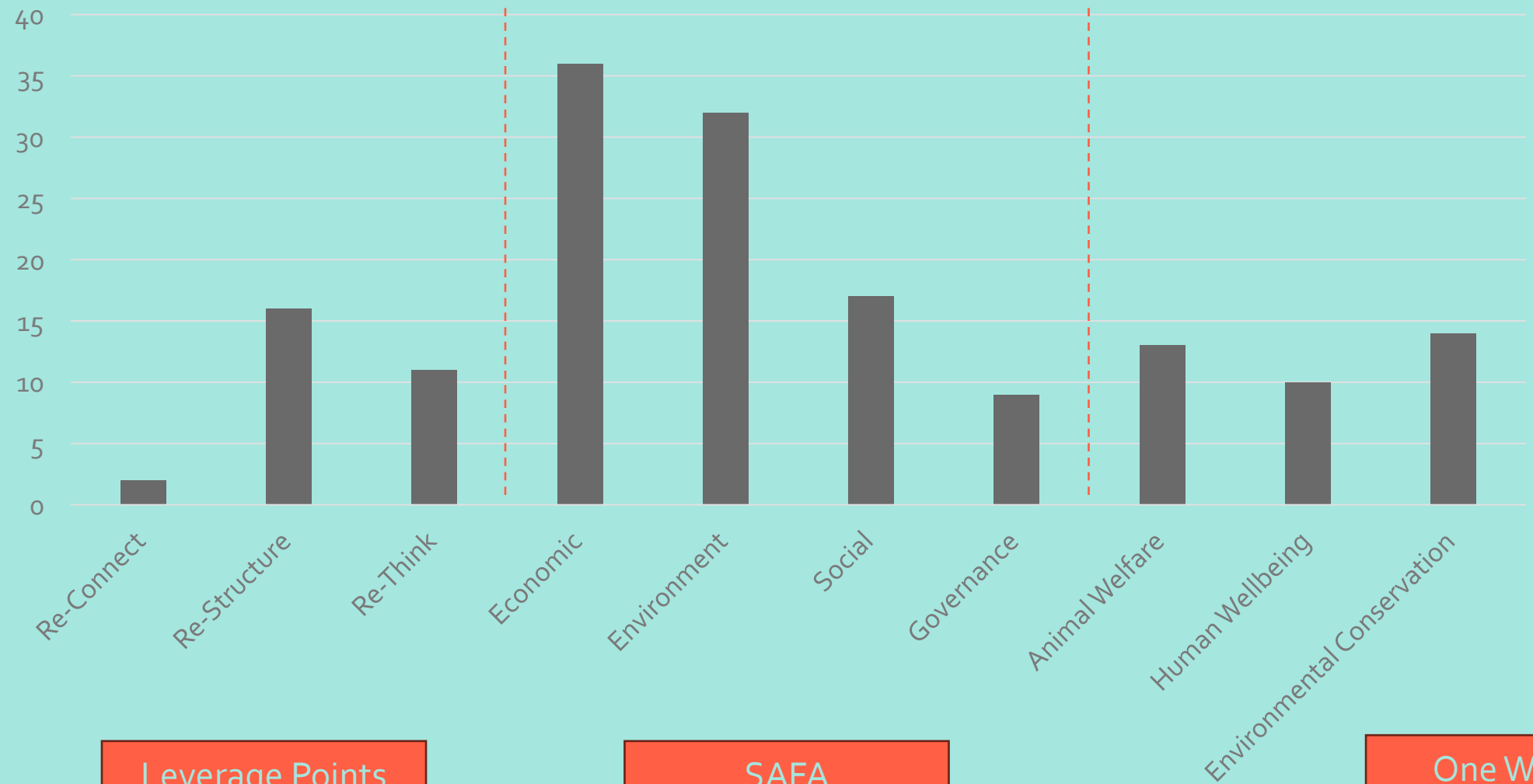
Papers per country



Shares of livestock covered



Sustainability subcategories covered



Leverage Points

SAFA

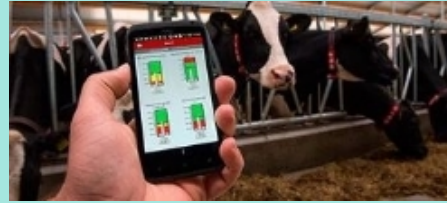
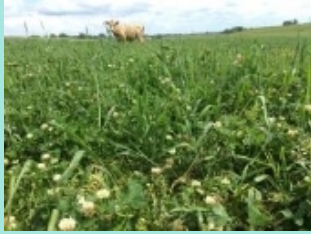
One Welfare

Some findings

- Trends of intensification and simplification of livestock systems (increased use of external inputs, changes in grazing and pasture management, increased stocking densities)
 - But: changes to production structures are not homogenous within the EU
- Maintaining a farming identity desirable even if economically unviable
 - helped stabilise food production and rural communities; but subsidy dependence can also prevent innovation
- Due to lack of regulation, concrete and consistent targets, enforcement and farmer support livestock farming in the EU is still linked to issues on all sustainability dimensions
 - new CAP, especially Strategic Plans viewed as an opportunity to improve sustainability
- Papers are mostly relating to the leverage point of “Re-structure”, rarely questioning underlying norms and values, which is necessary for deep system change (Abson et al., 2017)



Stakeholder involvement in PATHWAYS



1. Practice hubs



2. European multi-actor platform



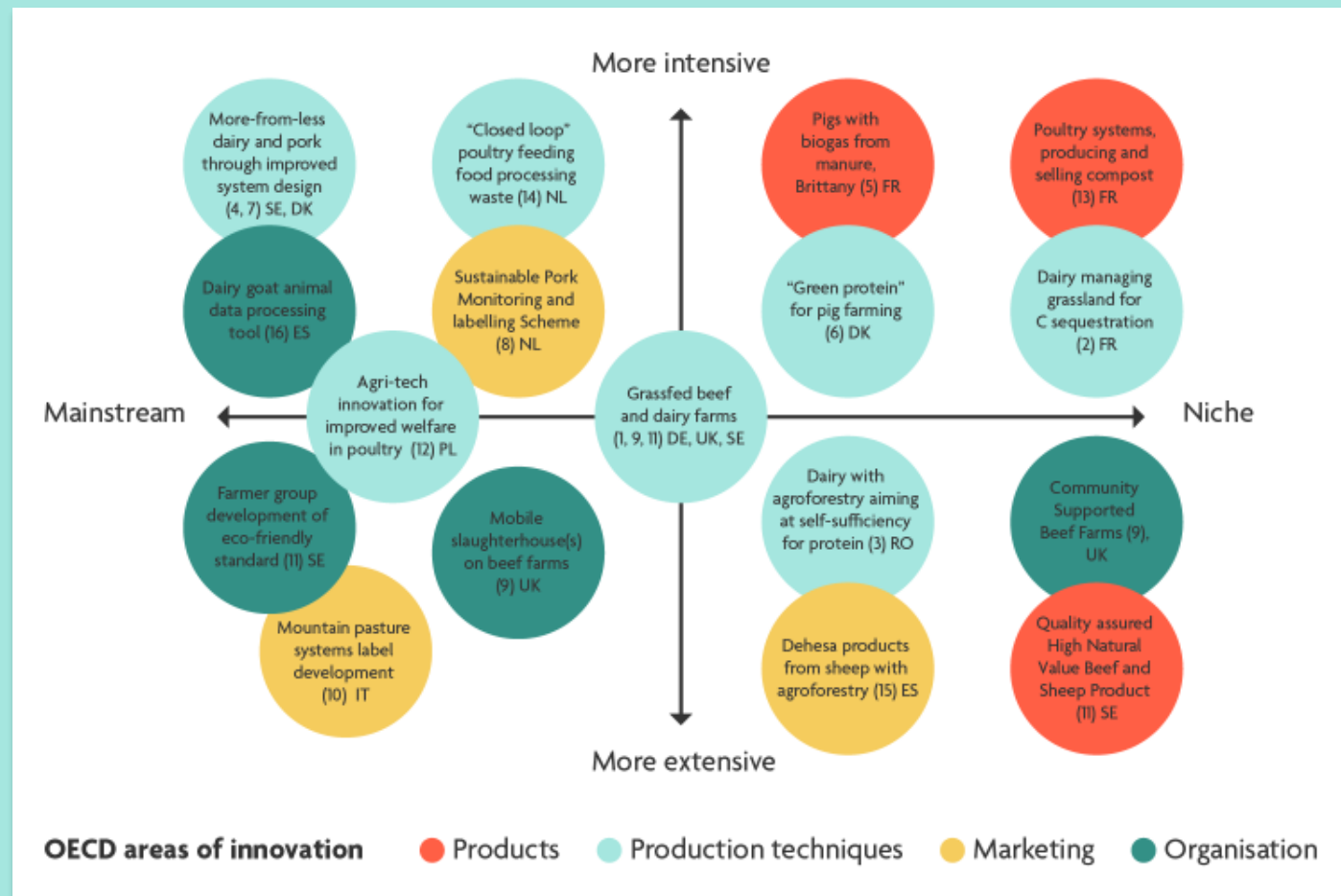
3. Living labs

4. Community of practice



Practice hubs

- National groups of farmers organised around four OECD areas of innovation
- Led by industry partners in collaboration with a Facilitator
- Each hub is an innovative case-study for identifying “configurations that work” in a specific context



European multi-actor platform

International supply chain actors

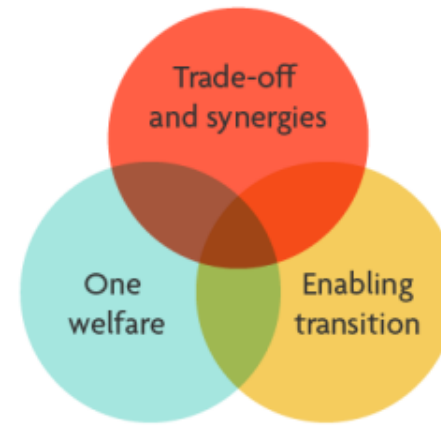
- Up to 50 individuals representing:
 - Pre and post farm gate industry
 - NGOs
 - Consumer associations
 - DGs

Organised across three themes:

1. Trade-offs and synergies
2. One welfare
3. Enabling transition

European multi-actor platform

- NGOs
- Pre-farm gate industry (nutrition, breeding, health, technology, farm advice companies)
- Post farm gate industry (processors, retailers)
- Consumer associations
- DG AGRI, ENVI, RTD, Clima
- Researchers



Living labs

- Small-scale projects set-up within Practice hubs to test cutting-edge innovations
- Up to 15 projects across 11 countries
- Approx. 15k EUR per project
- Selection of projects based on:
 - Feasibility of completion within the project timeframe
 - Total cost
 - Reproducibility/transferability
 - Equipment / machinery / skill availability
 - Coverage of the countries/agri-climatic zones /species / production areas



Engagement with Practice Hubs and the Multi-actor Platform in PATHWAYS

- Mapping visions for livestock sectors in 2050
- Feedback on baseline assessments
- Feedback on innovation assessments
- Feedback on future pathways / scenarios



Thank you for your attention!



Get in touch

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