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Federal Department of Economic Affairs,
Education and Research EAER
Federal Office for Agriculture FOAG

Agroecology and Swiss Agriculture Policy: What is the Gap?

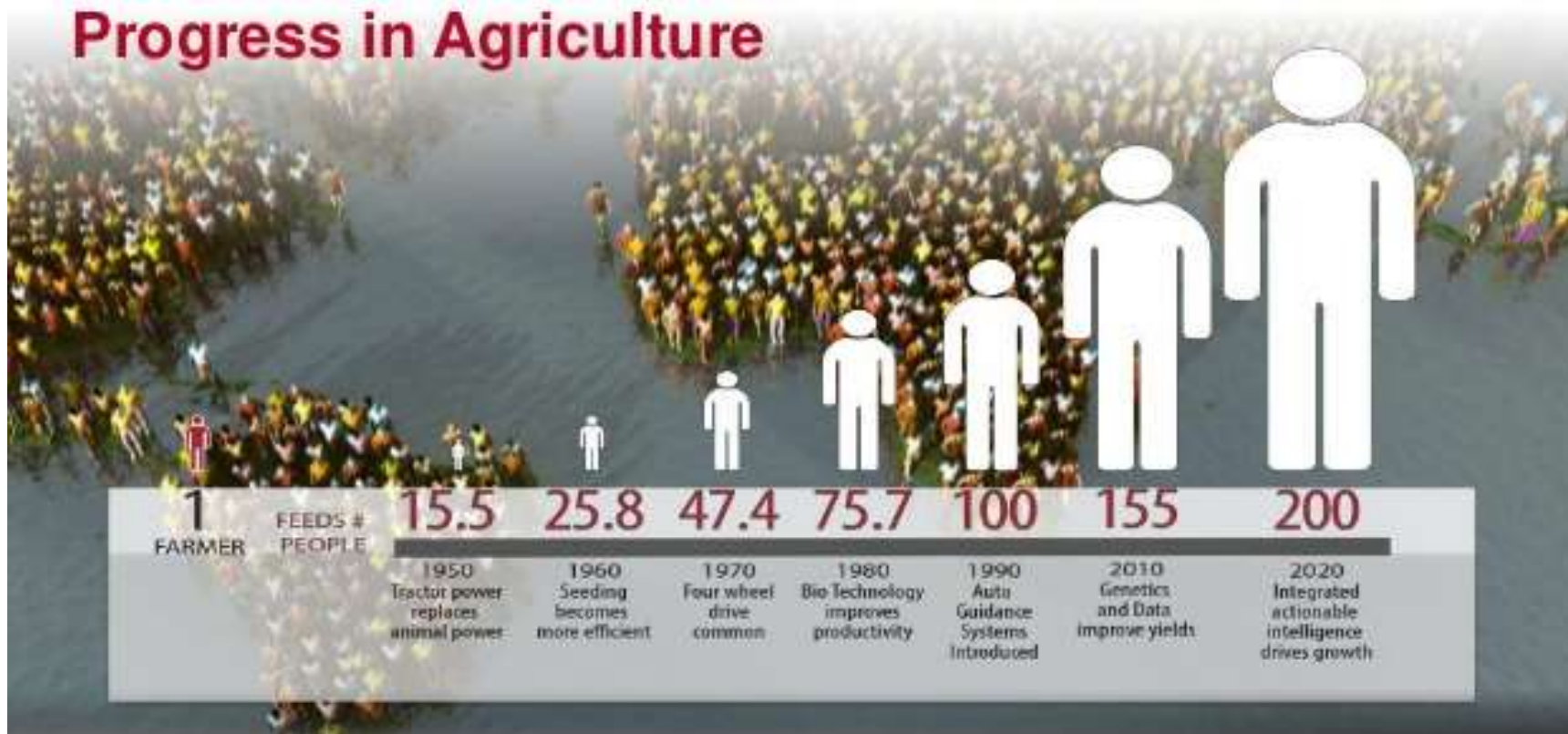
Special International Seminar on Agroecology

Bernard Lehmann, Federal Office for Agriculture



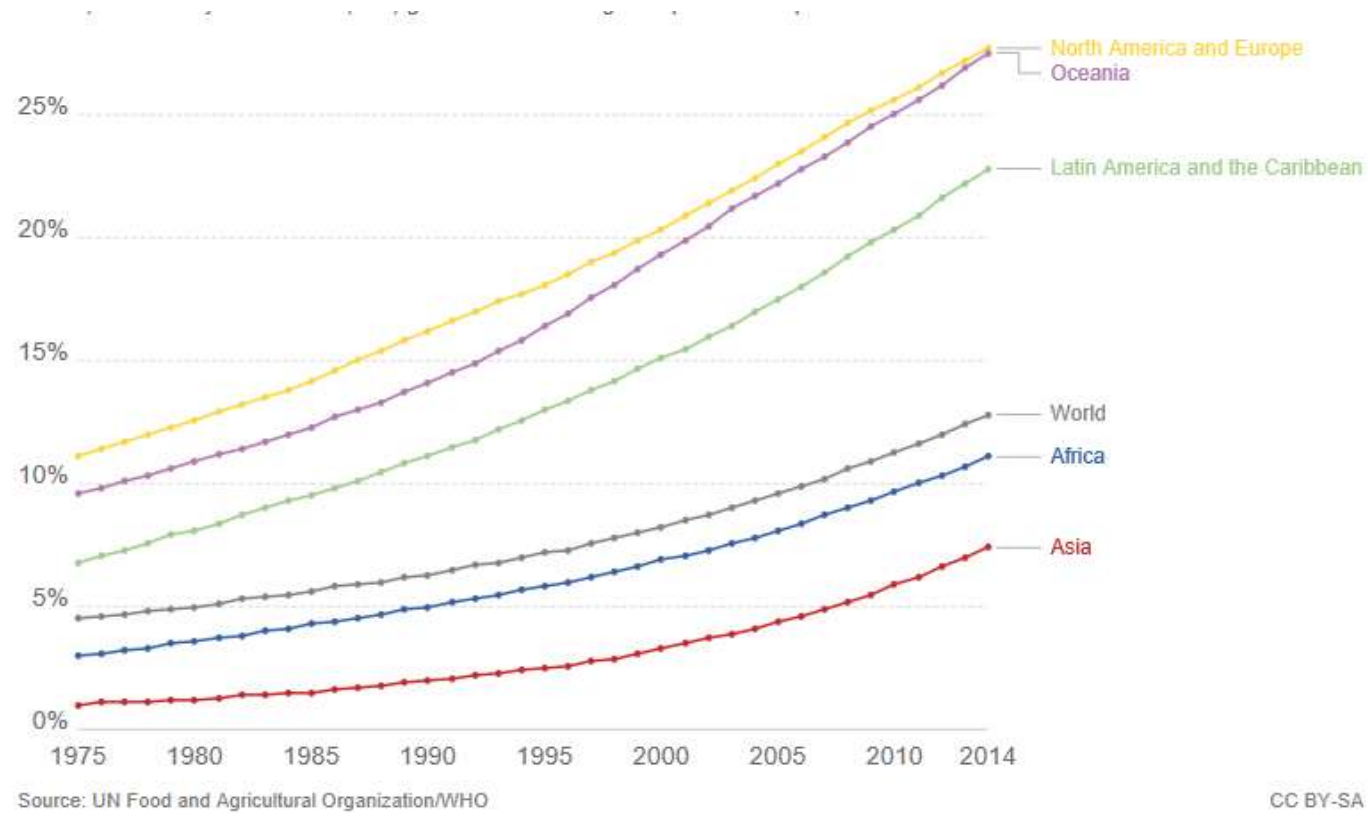


Tremendous increase in productivity





Increasing prevalence of obesity by adults

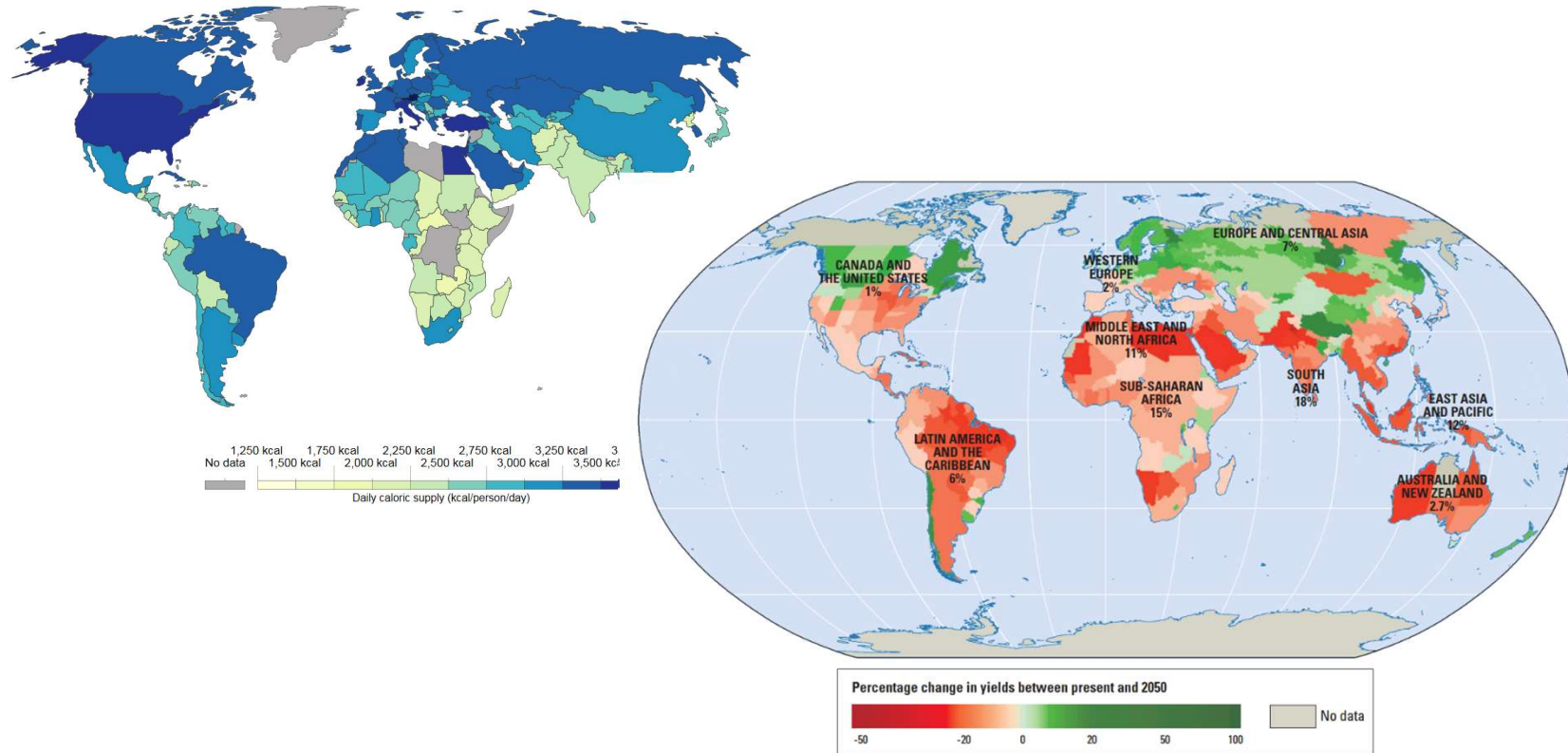




Environmental conditions will be more challenging in future – especially climate change

Daily per capita caloric supply, 2013

Average daily per capita caloric supply, measured in kilocalories per person per day. Note that this indicates the caloric availability delivered to households but does not necessarily indicate the number of calories actually consumed (food may be wasted at the consumer level).



Source: World Bank (2010): World development Report 2010:



FAO's Committee on Agriculture supports agroecology



Food and Agriculture
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SCALING UP AGROECOLOGY INITIATIVE

TRANSFORMING FOOD AND AGRICULTURAL SYSTEMS IN SUPPORT OF THE
SDGs

A PROPOSAL PREPARED FOR THE INTERNATIONAL SYMPOSIUM ON AGROECOLOGY 3-5 APRIL 2018

MISSION OF THE INITIATIVE

In the transformative spirit of the 2030 Agenda, we will work with food producers, governments and other stakeholders to strengthen agroecology – as a promising approach –, harnessing a range of sustainable practices and policies, knowledge and alliances to achieve equitable and sustainable food systems in support of the SDGs.

This document presents the *Scaling up Agroecology Initiative*, a vision to bring agroecology¹ to scale and transform food and agricultural systems to achieve the SDGs. The document responds to four key questions: "What is the potential of agroecology to contribute to the 2030 Agenda?" (Section 1); "What are the key challenges and opportunities to scale up agroecology?" (Section 2); "Which core areas of work should the *Scaling up Agroecology Initiative* focus on?" (Section 3) and "What is the way forward for the *Scaling up Agroecology Initiative*?" (Section 4).



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THE 10 ELEMENTS OF AGROECOLOGY

GUIDING THE TRANSITION TO SUSTAINABLE FOOD AND AGRICULTURAL SYSTEMS



Agroecology in the Swiss Constitution

Art. 104 Role of Agriculture



The Confederation makes sure that agriculture -
by a sustainable and market oriented production -
contributes to

- a reliable food provision
- preservation of the (used) natural resources
- preservation of (cultivated) landscapes
- decentralized settlements
- ...





Gap 1: Greenhouse gas emissions

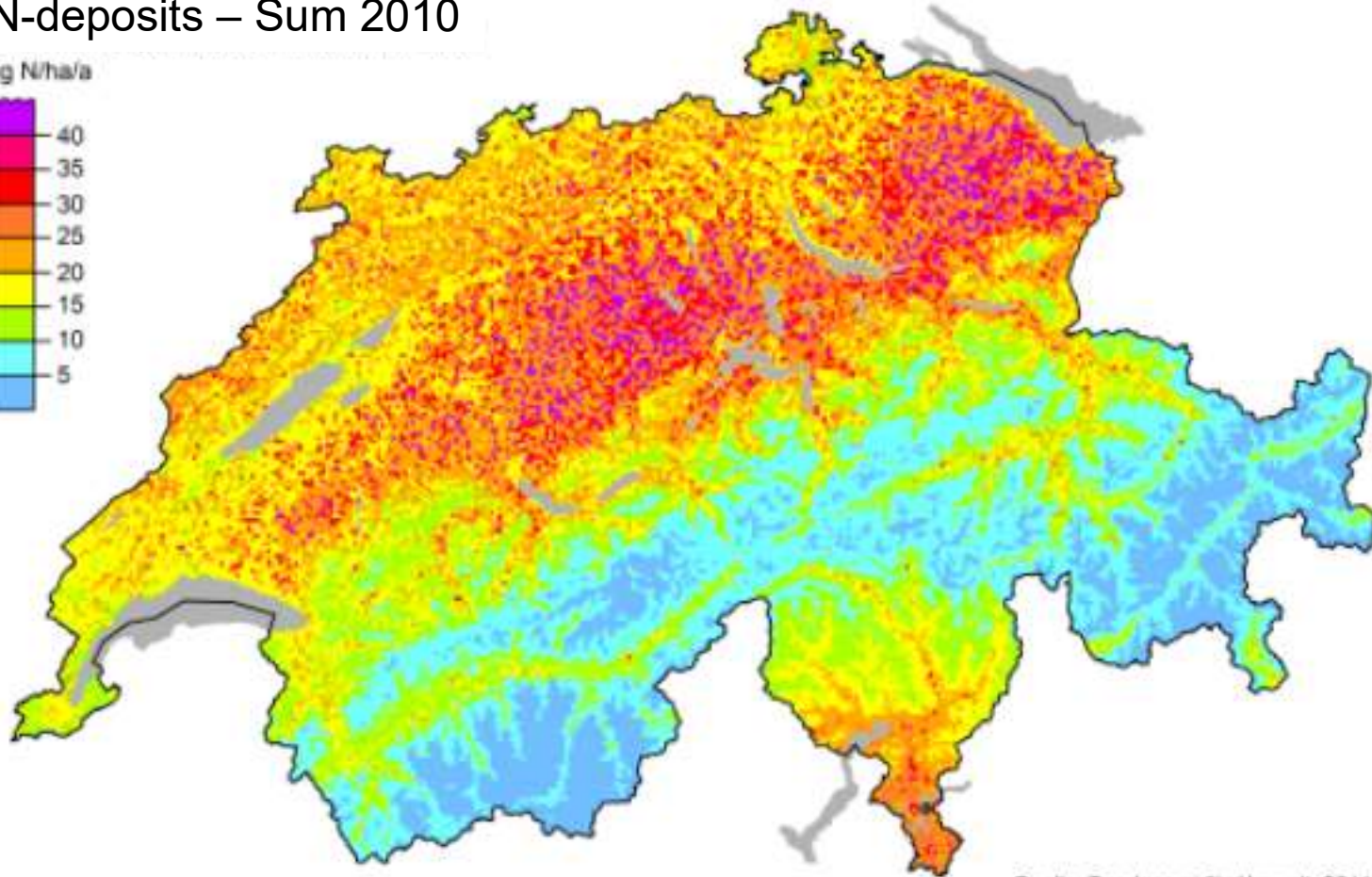
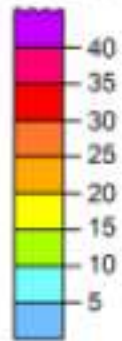




Gap 2: Nitrogen emissions – a problem for water and biodiversity

N-deposits – Sum 2010

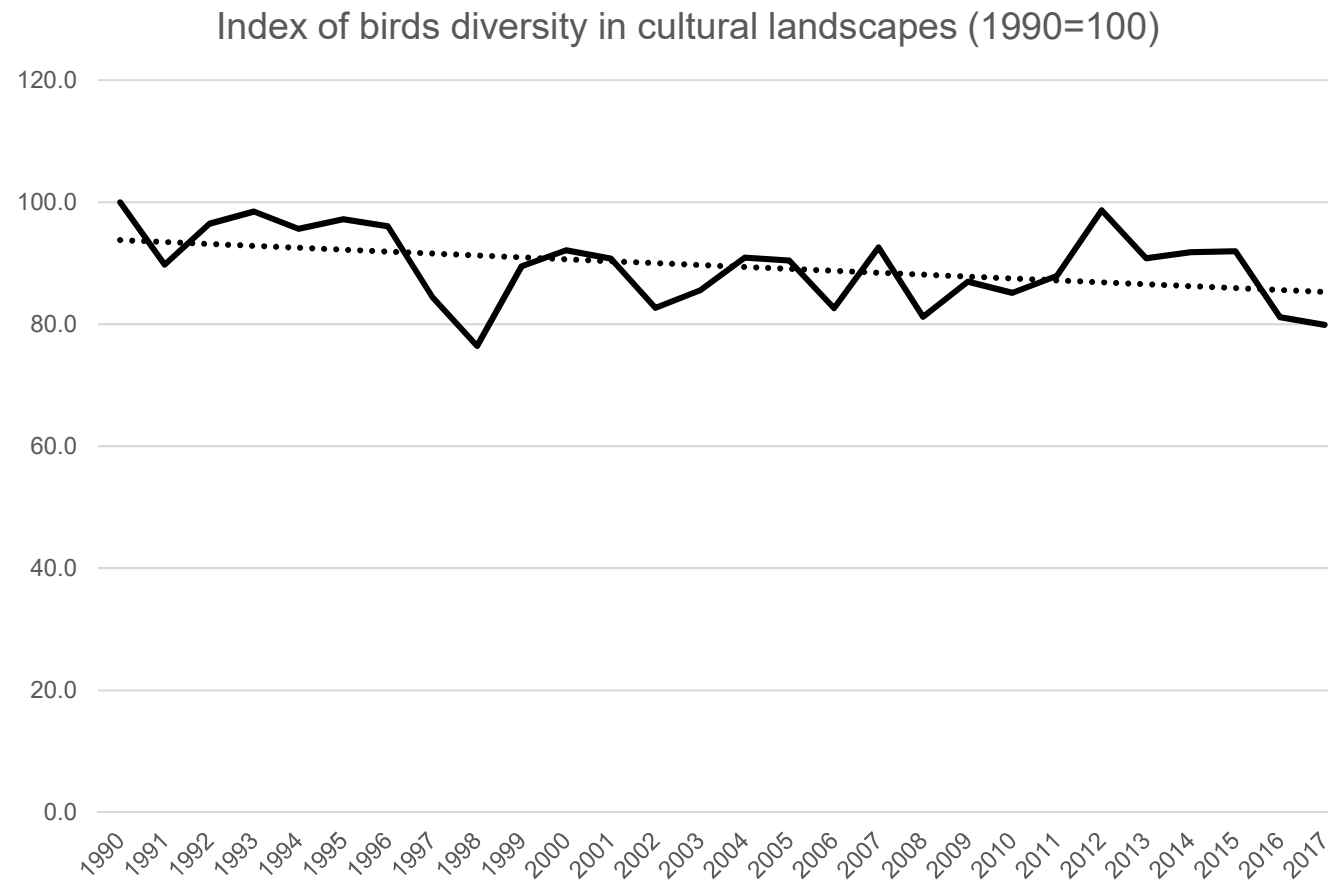
kg N/ha/a



Quelle: Bundesamt für Umwelt, 2014

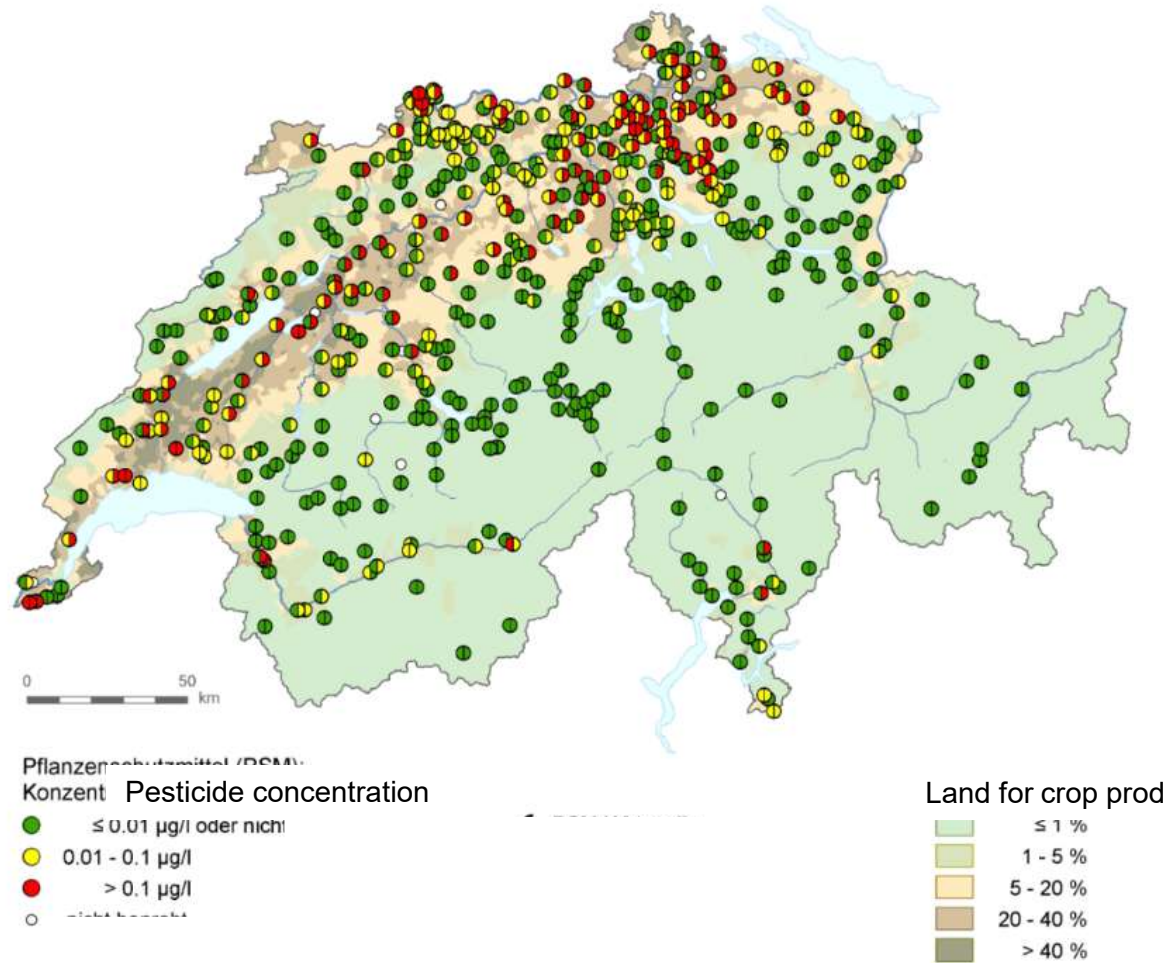


Gap 3: Biodiversity – decreasing bird population





Gap 4: Pesticides in groundwater bodies





One solution: Supporting new production systems





Thank you for your attention!



Balance



Diversity



Co-creation of knowledge



Human and social value



Circular economy



Culture and food traditions