



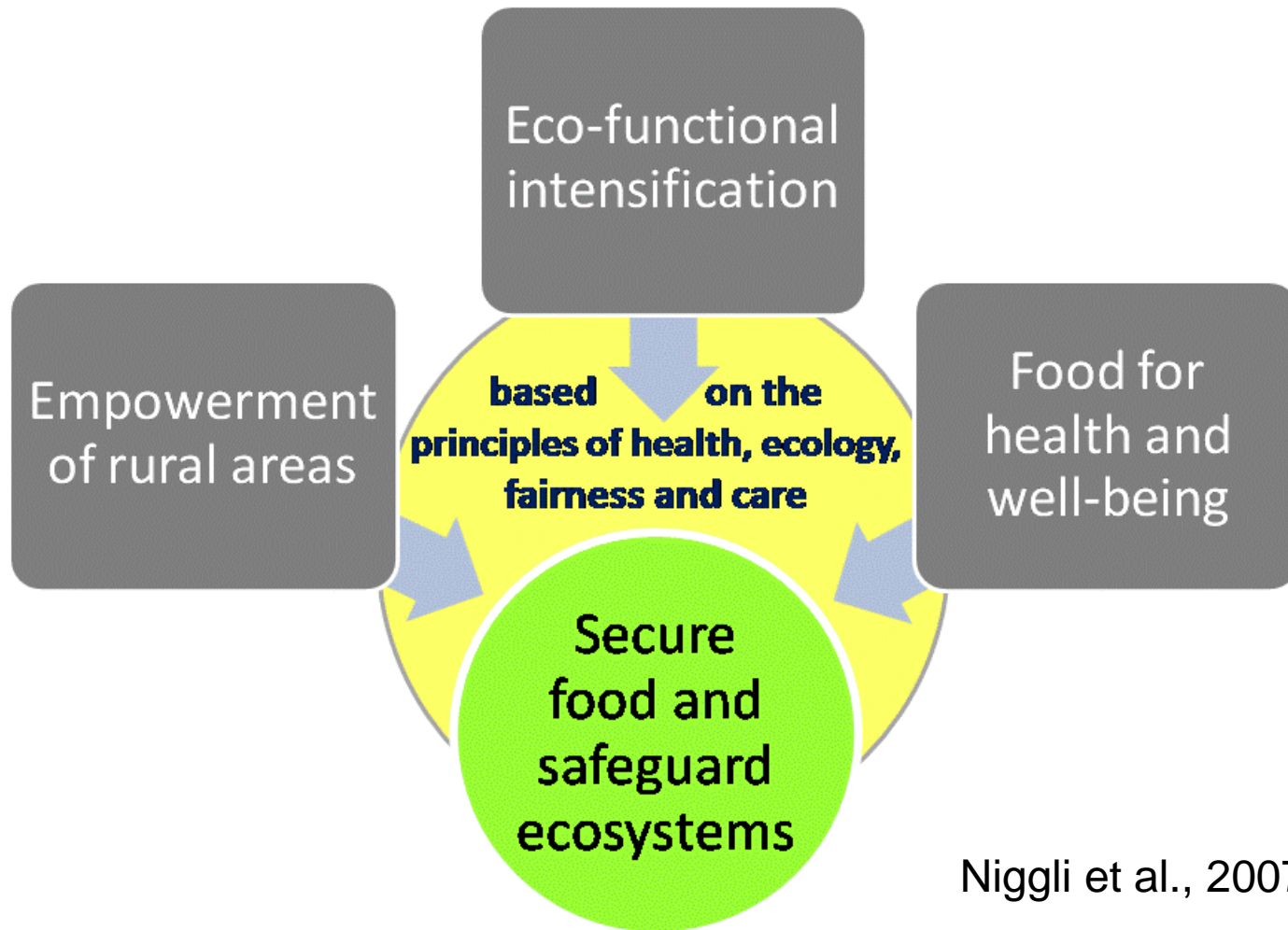
# The Vision 2014 to 2020 Nine Years After

*Urs Niggli*  
Steering Group TP Organics

# Organic agriculture – an attractive learning and exercising field

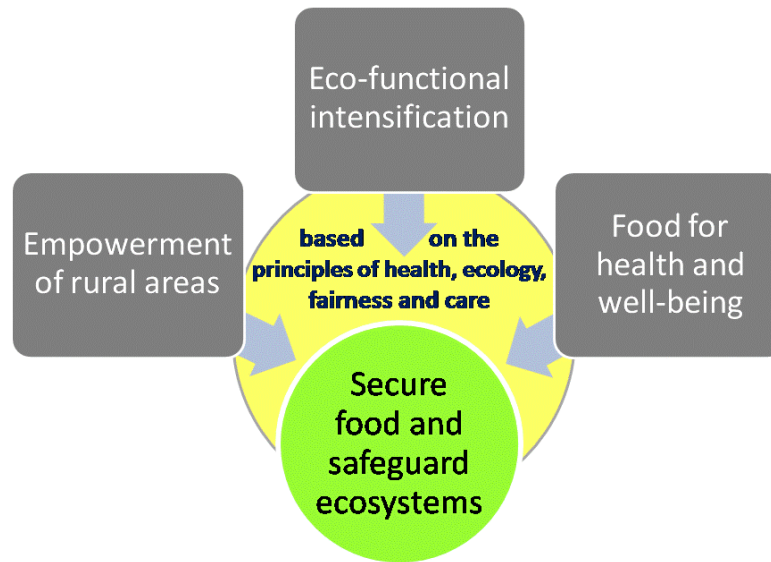
- Organic has multi-actor thinking and especially acting in its 'DNA'.
- 'Reduced to the max' is the pragmatic approach taken by the scientific community around organic farm systems.
- 'Innovation on farms first' is the result of scarce resources.
- Reliable concepts on how to reduce trade-off in agriculture and food consumption are still not yet visible. Organic is at least half-way there.

# The 2007 vision



Niggli et al., 2007

# Altered priorities?



From **Life Cycle Assessment (LCA)** to **Sustainability Assessment**.

Environmental and economic performance of **multi-objective** system approaches versus **targeted** agri-environmental schemes.

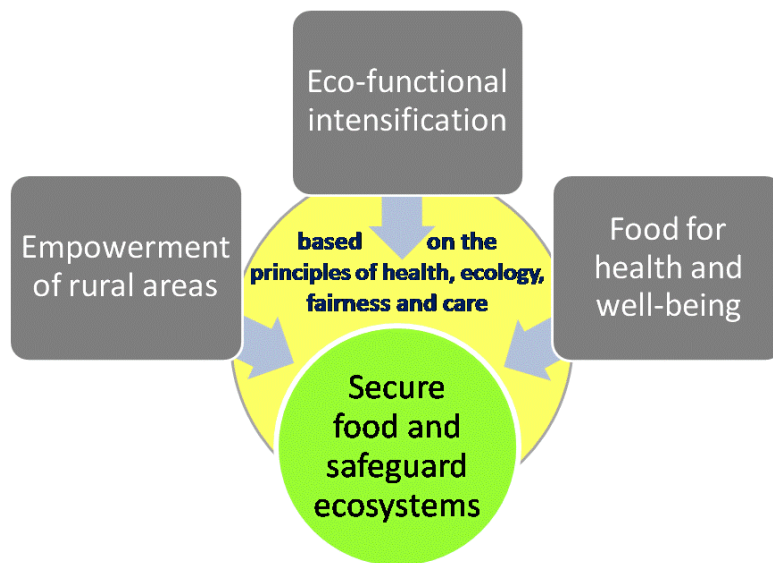
Quantified data for **true cost accounting**.

**Marginal utility** productivity – sustainability.

**Sufficiency**.

Innovation pathways.

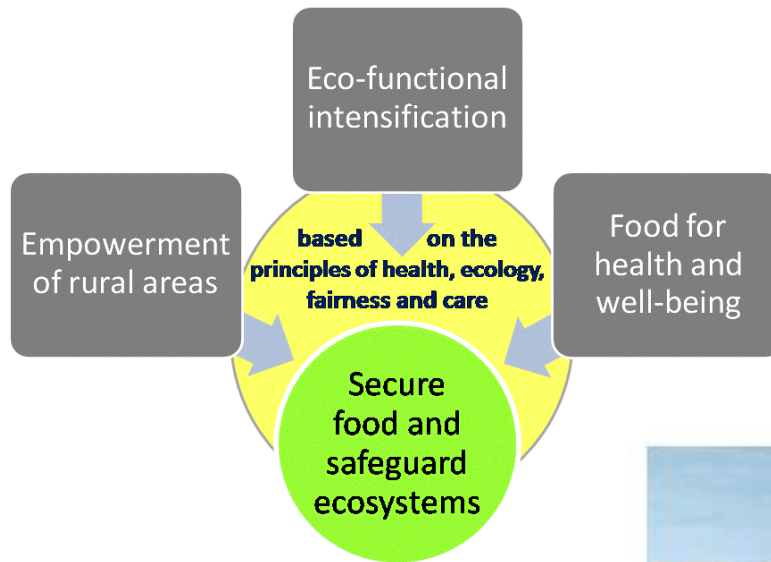
## Altered priorities?



The power of ICT in farmers-consumers relationship.

**Consumers and farmers for animal welfare.**

# Altered priorities?



Consumers and farmers  
for animal welfare.



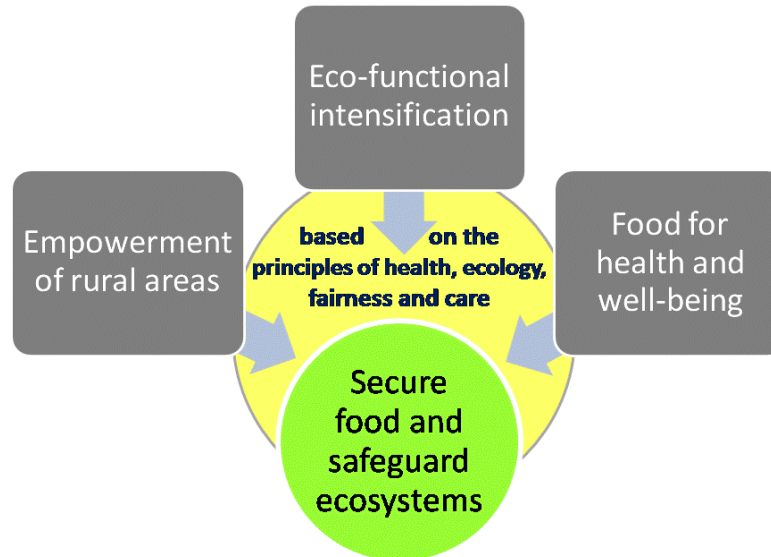
# Altered priorities?

Combined agro-ecological strategies like:

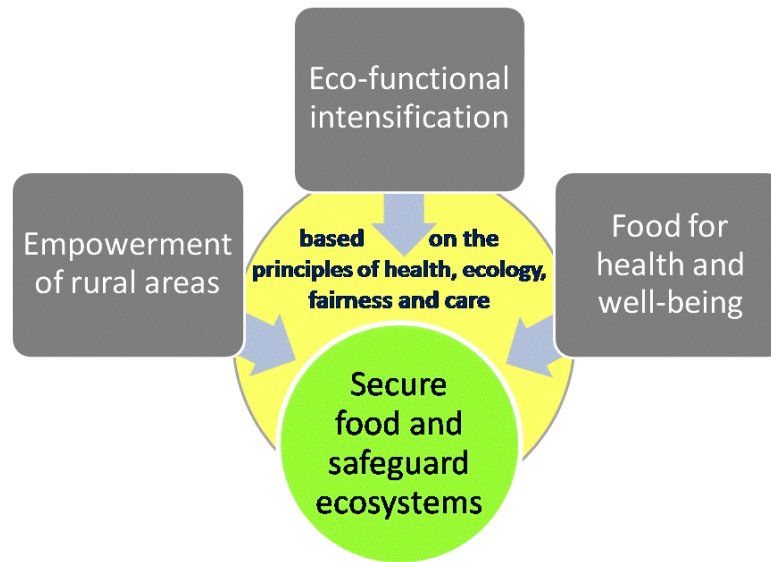
Functional biodiversity, bio-control and phyto-therapy

Soil fertility building, soil biota management and improved inputs from recycling.

Assessing the science driven technology leaps and bounds.



# Altered priorities?



Food waste:  
Shelf life,  
nutrition  
behaviour, re-  
use and  
recycling.

Food  
processing.

Concept of  
diversified food  
qualities.

Beyond process  
control.