

1. Introduction: defining quality

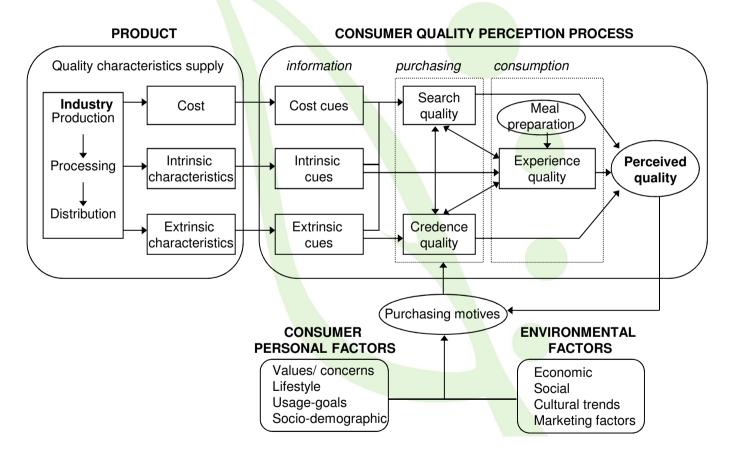
- how good or bad something is (Cambridge dictionary)
- the standard of something as measured against other things of a similar kind (Oxford dictionary)
- a property or group of properties inherent to something that allow to judge its value (RAE)
- characteristics of a product or service that bear on its ability to satisfy stated or implied needs (Am. Soc. for Quality)
- combination of quantitative and qualitative perspectives for which each person has his or her own definition (Am. Soc. for Quality)

So quality is...

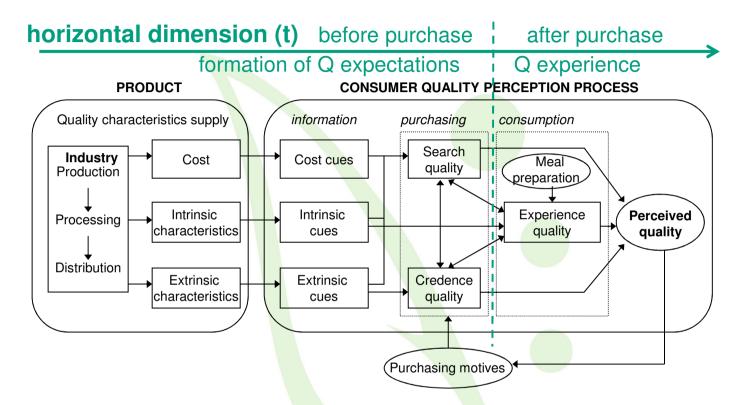
- perceptual and somewhat subjective
- understood differently by different people
- multidimensional, combination of different characteristics
- dynamic, changes with time



Model of supply, perception and demand of food quality

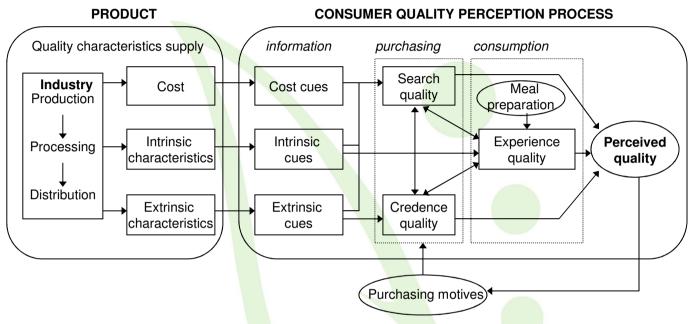






- Search Q: available at the time of purchasing (e.g. colour, fat)
- **Experience Q**: actual consumption of the product (e.g. taste, tenderness)
- Credence Q: cannot be ascertained even after consumption (e.g. hormones, GMOs, animal welfare, etc.)

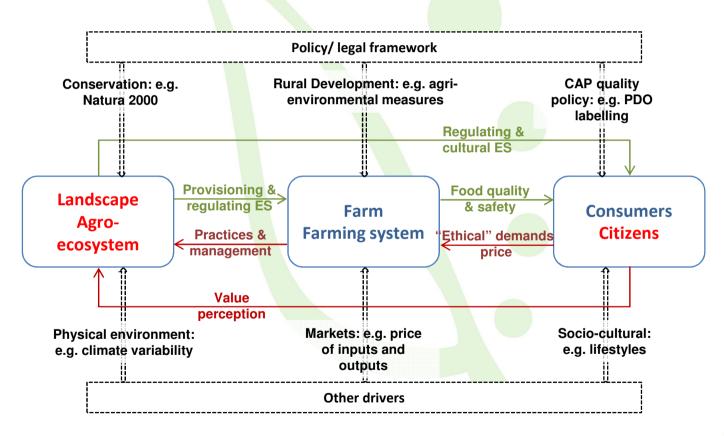




- Cost cues: price
- **Intrinsic cues**: chemical-physical aspects of the product (e.g. colour, nutritional value, appearance, etc.)
- Extrinsic cues: aspects of production process (brand, quality stamp, origin, production system, etc.)



From landscape to fork: value chains based on (agro)ecosystem services











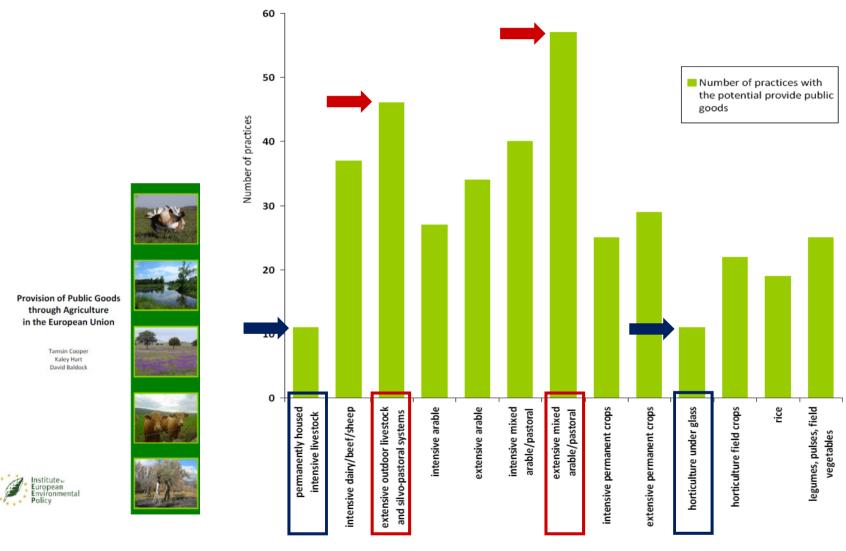


Main ES derived from pasturebased livestock systems

- Provisioning: quality products linked to the territory
- 2. Regulating: prevention of forest fires (Euro-mediterranean basin) soil fertility (Nordic regions), etc.
- 3. Supporting: biodiversity conservation
- 4. Cultural: agricultural landscapes



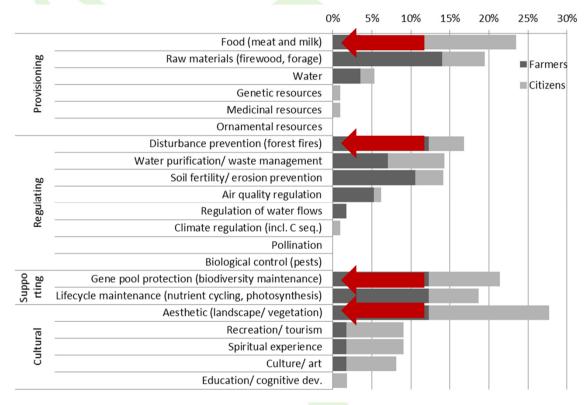
Different farming systems render different ecosystem services/ public goods



Consumers and societal demands









To conclude

- Consumers and farmers clearly perceive the distinctive quality characteristics of food linked to an agricultural landscape or territory
- Raising societal demands for better targeting public goods, and "ethical" concerns about model of agriculture and the food chain
- Whole-system approaches are needed to identify and quantify the ES (public goods) that are meaningful to consumers (society), and develop animal products based on "extrinsic" quality attributes
- Value-chains based on ES (agricultural landscapes)



