

Feedback on Qualitative mapping

Ambitions/gaps/specific situation on FNS in Spain- some main points

Ambitions

- Maintenance of agricultural production under a sustainable system: maintenance of resources, water and soil and biodiversity (species and cultivars)
- Improvement of relationship between agriculture and environment. Search for efficiency in productive inputs, including genetic resources, and their interaction.
- Improvement of health control and welfare conditions in agriculture, livestock and aquaculture
- Sustainable and efficient food production: reduced carbon footprint, hydric footprint.
- Implementation of new technologies in the Spanish food systems: digitization, precision agriculture, control of postharvest conditions and lifespan in elaborated products.
- Reduce food waste
- Use of new bio-resources in food production
- Innovative and highly productive food industry
- Structuring of means of production and improvement of social conditions in the rural population
- International cooperation and contribution to global FNS. Mediterranean diet and its products valorization.
- Maintaining good food safety

Gaps

- Improvement in the use of water resources
- Climate change impact on agriculture and livestock: resilience/adaptation, long-term effects on soil.
- Lack of indicators for monitoring in the FNS of economic, environmental and social sustainability.
- Control measures of emerging and re-emerging pathogens in agriculture, livestock, fisheries and contamination in industries. Increasing biodiversity and searching for host resistance.
- Alternatives to the use of antimicrobials in animal production.
- Development of risk mitigation measures for the use of pesticides.
- Reduction of pesticides use for production and of chemicals for conservation of elaborated products.
- Development of common European protocols for diagnosis and management of pathogens and safety problems.
- Studies on microbial systems in soil and digestive system of animals and men.
- New bio-resources, new technology, new products.
- Development of sensors and image systems for monitoring the FNS. Mechanization automation and data integration.
- Control of heavy metals in the diet. Studies on food in general and specially in marine products.

SPAIN

- Studies on Nutrition on needs in different human age stages. Custom foods and recommendations to population.
- Role of different kinds of fats in nutrition.

Specific situation

- Water scarcity
- Macro and micronutrients losses in soil.
- Resilience to the impact of climate changes, specifically regarding high temperature and drought.
- Keeping good plant (including forests) and animal health
- Food Systems poorly integrated. Rural depopulation
- Maintenance of the level of seafood, farm fish and increase in algae consumption.
- Maintaining good food safety, including little levels of AMR

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Date: 2017/18*