

## Feedback on qualitative mapping Ambitions/gaps/specific situation on FNS in Ireland

### Ambitions

- Maintain Green/Sustainable Reputation E.g. Sustainable and efficient food production systems (e.g. grass based). Ireland to become a world leader in sustainable food production.
- Improvement of Environmental footprint of Sector
- Prioritise Research Funding on Sustainability of Irish Food production
- Reduce food waste
- Finalise Bio-economy Strategy
- Maintain and further enhance the competitiveness of the Irish agri-food sector
- To develop a consumer / citizen orientated agri-food industry.
- Maintain food safety
- Intensify the innovation capability of Irish food production systems to contribute to the development of new/improved management practices, products, processes and services which allow for increased market share for premium products and services.
- Develop and manufacture new high-value nutrition and wellness products aimed at improving consumer/citizen well-being.
- Develop economically and environmentally sustainable food production and processing systems across all enterprises that support profitability and international competitiveness and contribute to enhancing the quality of our environment and so meet national and international environmental targets.
- Address Grand Societal Challenges related to Food Security, Energy Security, Climate Change, Resource Efficiency, Ageing Population and Chronic Diseases.
- Strengthen the existing knowledge base in key strategic areas thereby increasing the developmental capacity of publicly funded Research Performing Organisations (RPOs) enabling them to leverage additional support for their research from EU research programmes and other International sources.
- Use of new bio-resources in food production
- Thriving maritime economy, whereby Ireland harnesses the market opportunities to achieve economic recovery and socially inclusive, sustainable growth.
- Healthy ecosystems that provide monetary and non-monetary goods and services (e.g. food, climate, health and well-being).
- Increase our engagement with the sea. Building on our rich maritime heritage, our goal is to strengthen our maritime identity and increase our awareness of the value (market and nonmarket), opportunities and social benefits of engaging with the sea.
- International cooperation and contribution to global FNS
- Opportunity to achieve strategic advantage in the marine biotechnology field
- Further enhancement of Origin Green programme
- Potential to increase the level of value added product

## Gaps

- New technology, digitization, precision agriculture
- Development of new capabilities for research and innovation involving the application of ICT and molecular biology, both at component and system level, to enable next generation management systems and a wide range of new data driven science-based services for the sector.
- Human, Animal and Soil Microbiota
- Automation and digital Technologies
- Environmental and climate impact of agriculture and food production
- AMR & Emerging Risks and threats
- Food safety and Authenticity Risks
- Levels of R&D Investment by Private Sector
- Skills gaps - Capability and Availability all along supply chain
- Access to Finance
- Scale including lack of raw material for seafood, beverages, forestry sectors
- Supply Chain Disruption due to potential disease or food safety risks
- Address scale, fragmentation, leadership and management skill deficits within the processing sector, supply constraints, the emphasis on commodity rather than value-added product and capacity limits in respect of aquaculture production.
- Develop a strategy to expand shellfish and aquaculture production taking account of the carrying capacity of bays
- Develop and implement clear and forward-looking policies and strategies that support an increased contribution from our ocean economy to national GDP.
- Existing and new clusters/networks in order to create critical mass, mitigate risk in frontier enterprises and strategically fund critical path research and information gaps.
- Address gaps in the funding system for post-doctoral researchers through competitive support for excellent research across all disciplines and with a particular focus on inter-disciplinary research.
- Attract world-leading research professors and future research leaders to Ireland to address gaps in particular areas of priority

## Specific situation

- Challenging Green House and Air Emission targets
- Global competition
- Biodiversity loss and reduced water quality

Date: *November 2017*