

# Innovation at the core of Brexit response: the case of dairy

Presentation to Oireachtais Members  
Briefing, Buswells Hotel, Dublin October  
25<sup>th</sup>, 2017

Professor Gerry Boyle, Director Teagasc

# Key message

Brexit constitutes a competitiveness shock ... the response has to be to improve our competitiveness through innovation ...

# FOOD & DRINK EXPORTS

Source: Bord Bia 2017

The sector recorded the  
**7th**  
consecutive  
year of growth  
in exports  
during 2016



**37%**

of Irish food & drink  
exports are destined  
for the UK, valued  
at €4.13 billion



**€11.15  
billion**

the value of Irish  
food & drink  
exports, an  
increase of 2%

Growth of  
**41%**  
or €3.27 billion  
since 2010



Other EU  
markets  
account for  
€3.53 bn or  
**32%**



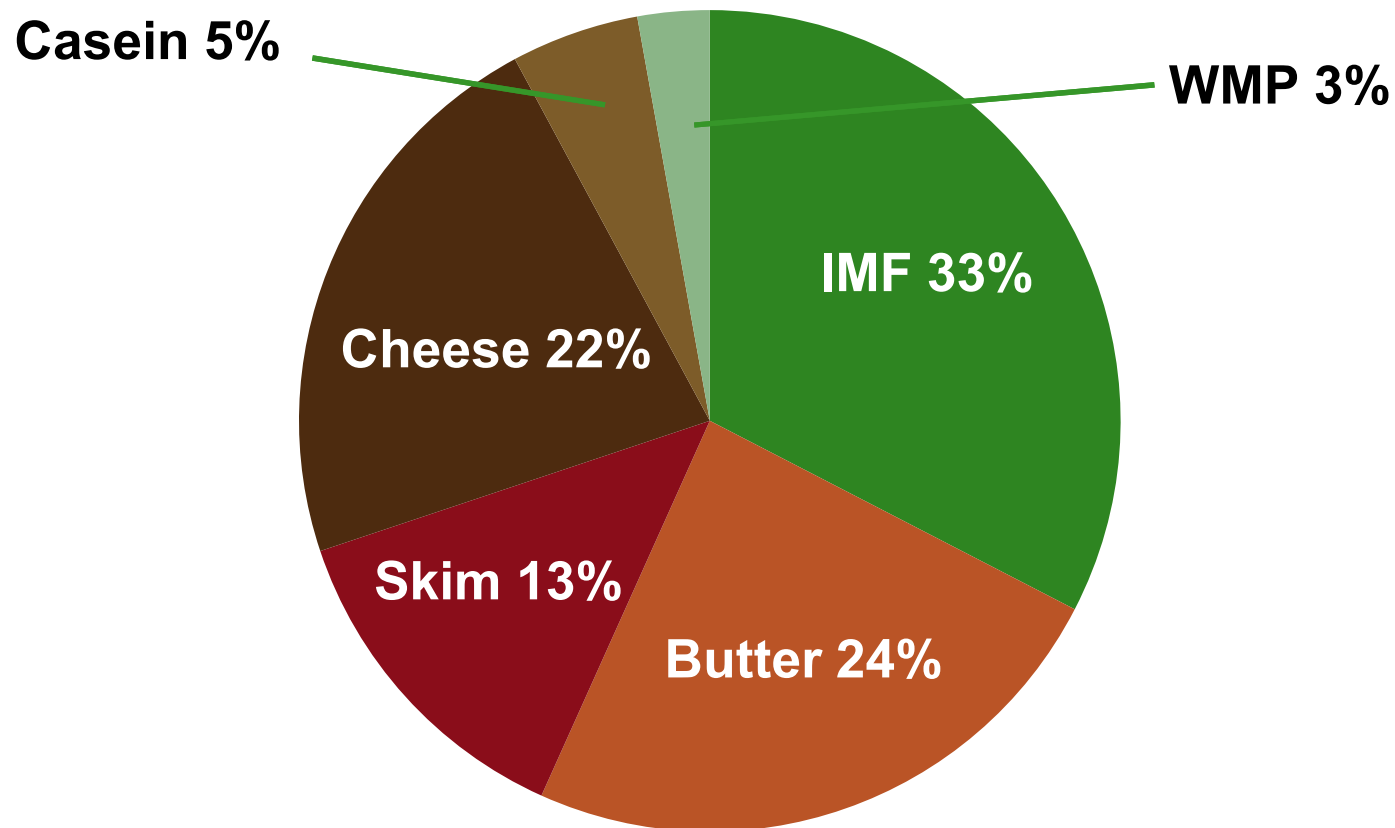
Irish food &  
drink is sold in  
**180**  
markets worldwide



International  
markets  
account for  
€3.49 bn, or  
**31%**

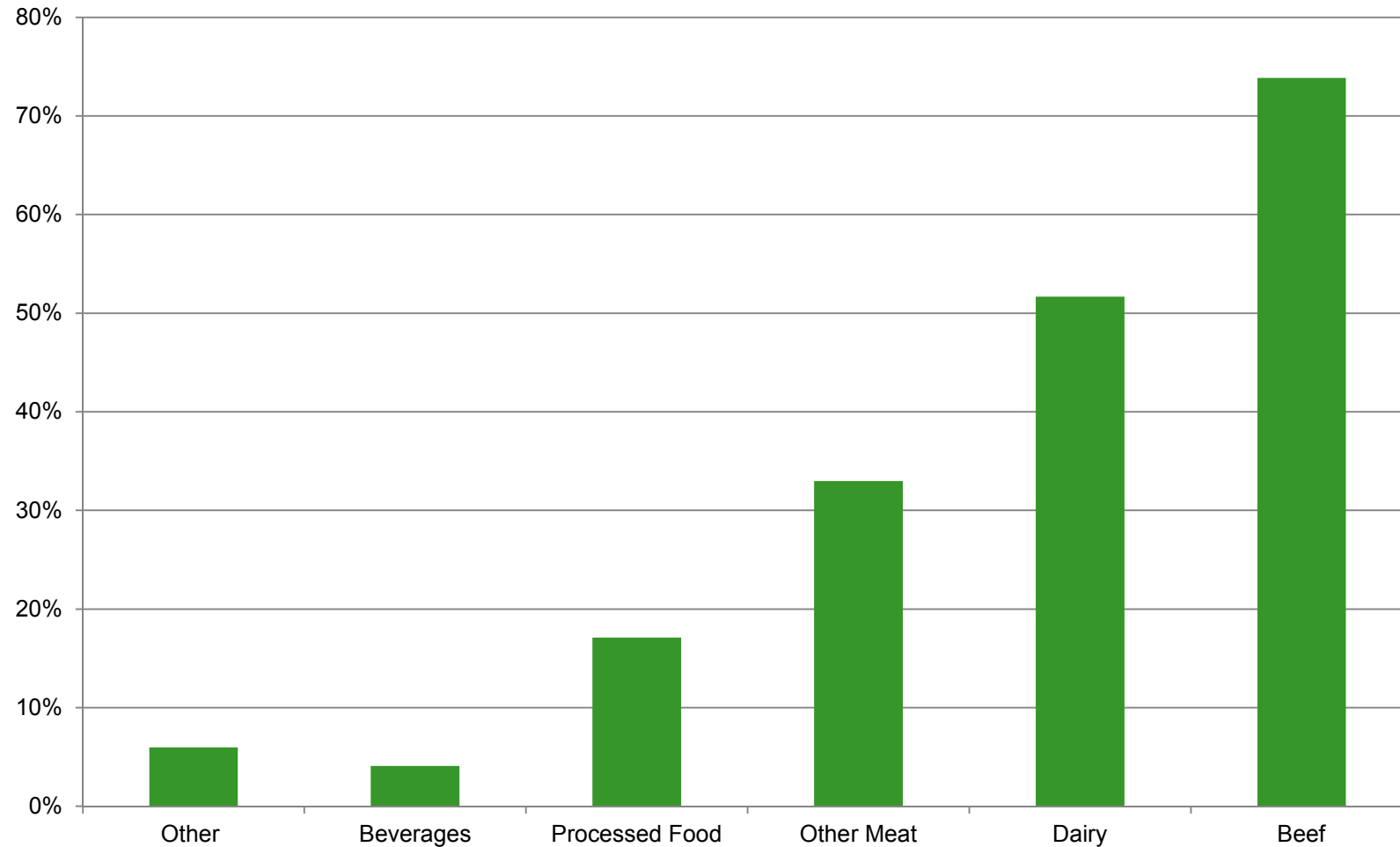


# Products produced from raw milk (%)

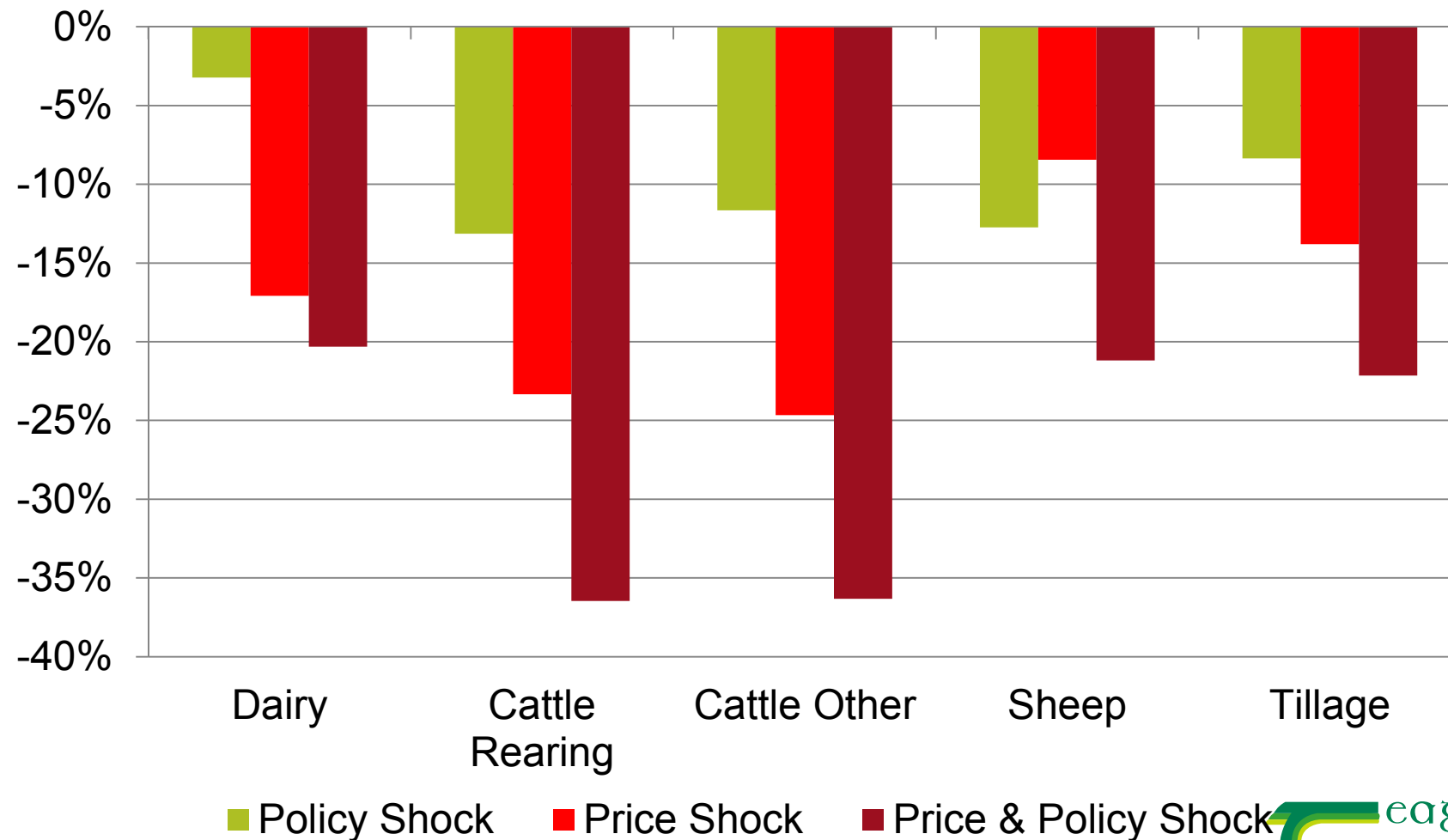




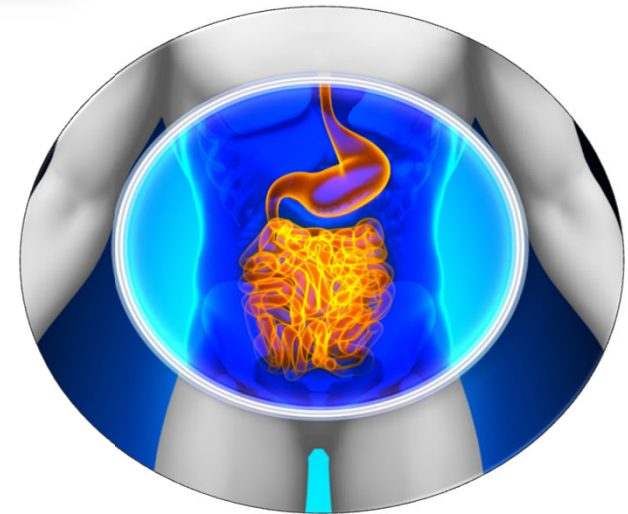
# Estimated potential tariffs (%) on UK food imports of 'hard' Brexit



## Potential impact on farm incomes of 'hard' Brexit



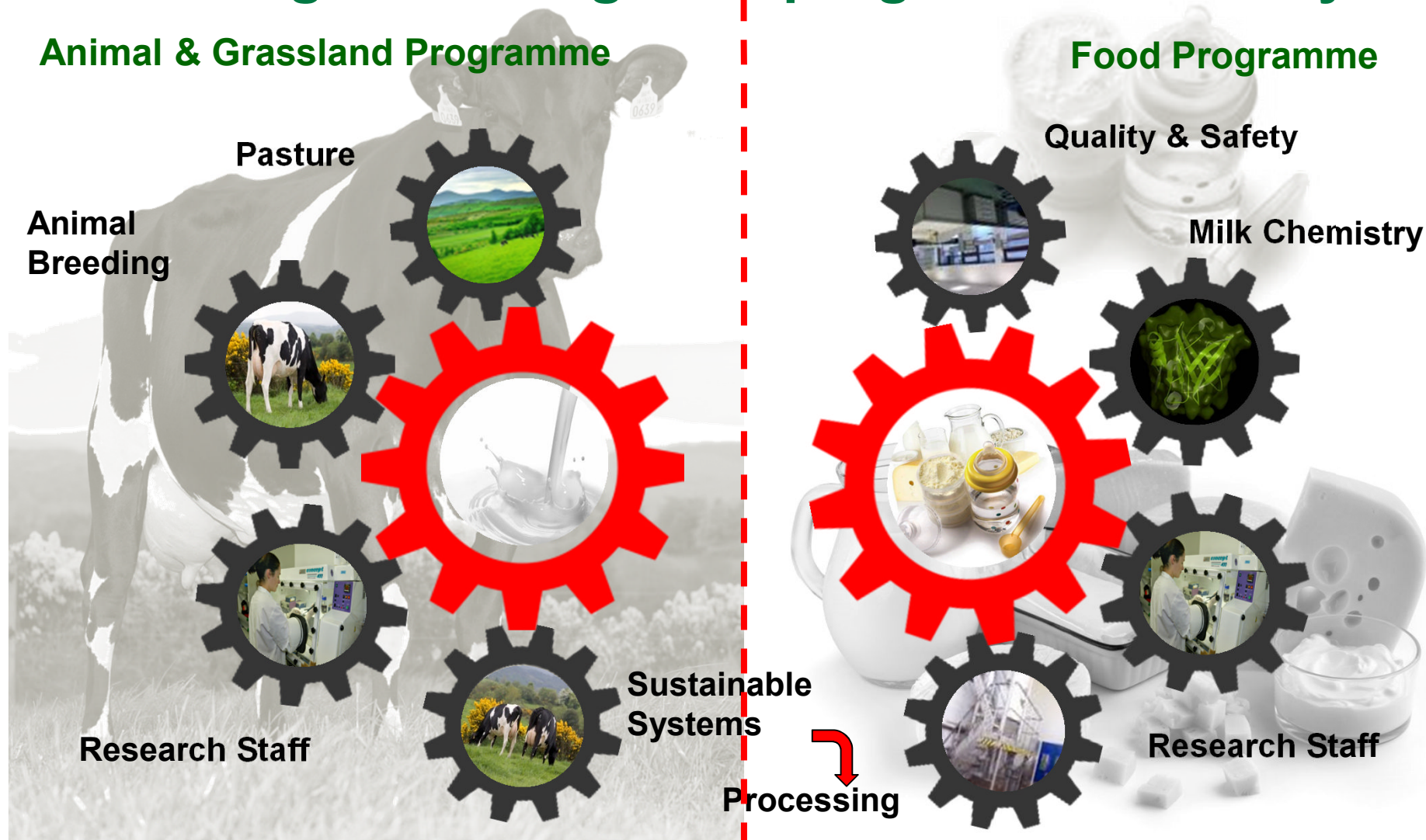
# Research activity: from farm to gut



# Teagasc's integrated programme for dairy

## Animal & Grassland Programme

## Food Programme





# Innovation the key to growing export markets

Technologies to extend shelf life to reach far away Markets

SMART ingredients – nutritional base for foodstuffs elsewhere in the world beyond the UK market



## Key infrastructure for innovation

- State of the art technology pilot plant  
... Moorepark Technology Limited  
(MTL)
- Planned new “Food Innovation Hub”
- Top quality scientists with international reach to support Irish-based companies

# MTL Board - Teagasc have a 57% shareholding





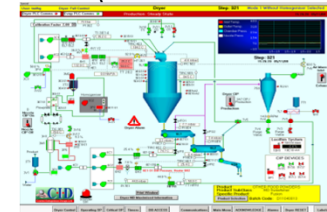
Thermal and dehydration prototyping



Wet Processing



Separation



Evaporation and Drying



Cheese-making



Ingredient development



Food Applications



**MOOREPARK**  
TECHNOLOGY LIMITED



€19 m.

€10 m investment  
in MTL upgrade &  
extension

€8.8 m investment in new  
Food Innovation Hub

Ornua



CYBERCOLORS  
Natural Food Ingredients



PEPSICO



glanbia

BIOSTIME



CSK  
food enrichment



Abbott



Wyeth

Nestlé

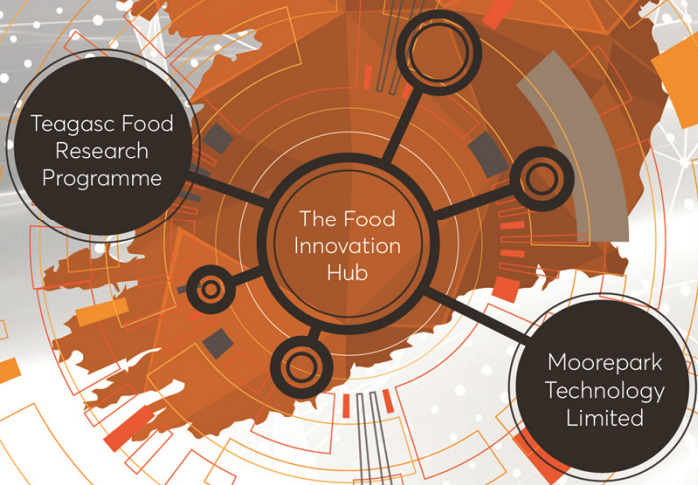


# THE TEAGASC FOOD INNOVATION HUB

YOUR OPPORTUNITY TO NETWORK FOR INNOVATION

---

The concept of the Food Innovation Hub is straightforward; it integrates three major components; the Teagasc Food Research Centre Moorepark's research capability (the "software"); the state of the art pilot plant facility – Moorepark Technology Limited (the "hardware"); and custom designed secure company laboratory and office units (the "Industry").



The diagram illustrates the Food Innovation Hub as a central concept. It features a stylized map of Ireland in the background, overlaid with a network of orange and red lines and dots. In the foreground, a central circle labeled 'The Food Innovation Hub' is connected by lines to three other circles: 'Teagasc Food Research Programme' on the left, 'Moorepark Technology Limited' on the right, and a third circle at the bottom. The background also includes a circular pattern of dots and lines, suggesting a global or networked environment.

Teagasc Food  
Research  
Programme

The Food  
Innovation  
Hub

Moorepark  
Technology  
Limited

  
eagasc  
AGRICULTURE AND FOOD DEVELOPMENT AUTHORITY

# Thank you