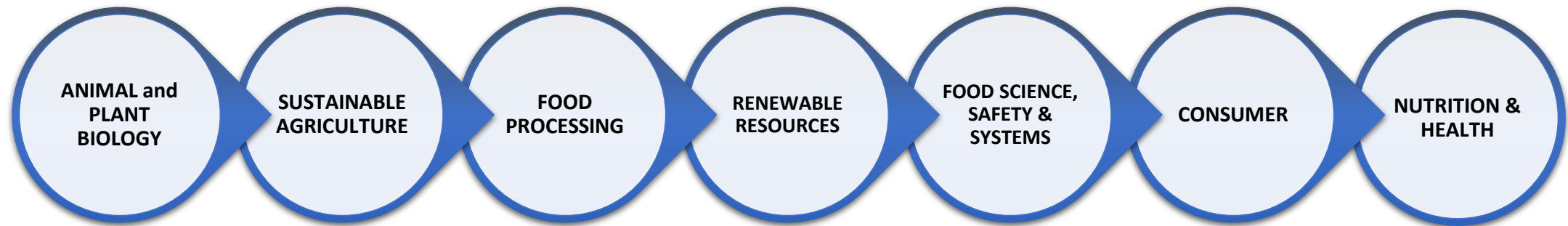


# FoodBioSystems DTP 2021 Projects Advertised

**Biological processes across the agri-food system from pre-farm to post-fork**



# Our Vision

To develop the **next generation scientists** that have **in-depth subject knowledge, advanced technical capability and food systems understanding** to address the challenges of **sustainability, efficiency and safety** of food production systems and deliver **better nutrition and health benefits** for society.

## Our Journey so far

- Our first cohort of 30 doctoral research students began from October 2020
- We will have 5 years of intake with a minimum of 25 studentships awarded each year
- All of our students are co-supervised across 2 of our University Partners
- In addition to their specific discipline, all of our doctoral researchers receive training in our core cross-cutting themes: **Food Systems, Big Data, Research Fundamentals, Business**
- We are currently advertising 52 projects from which we will award at least 25 studentships.

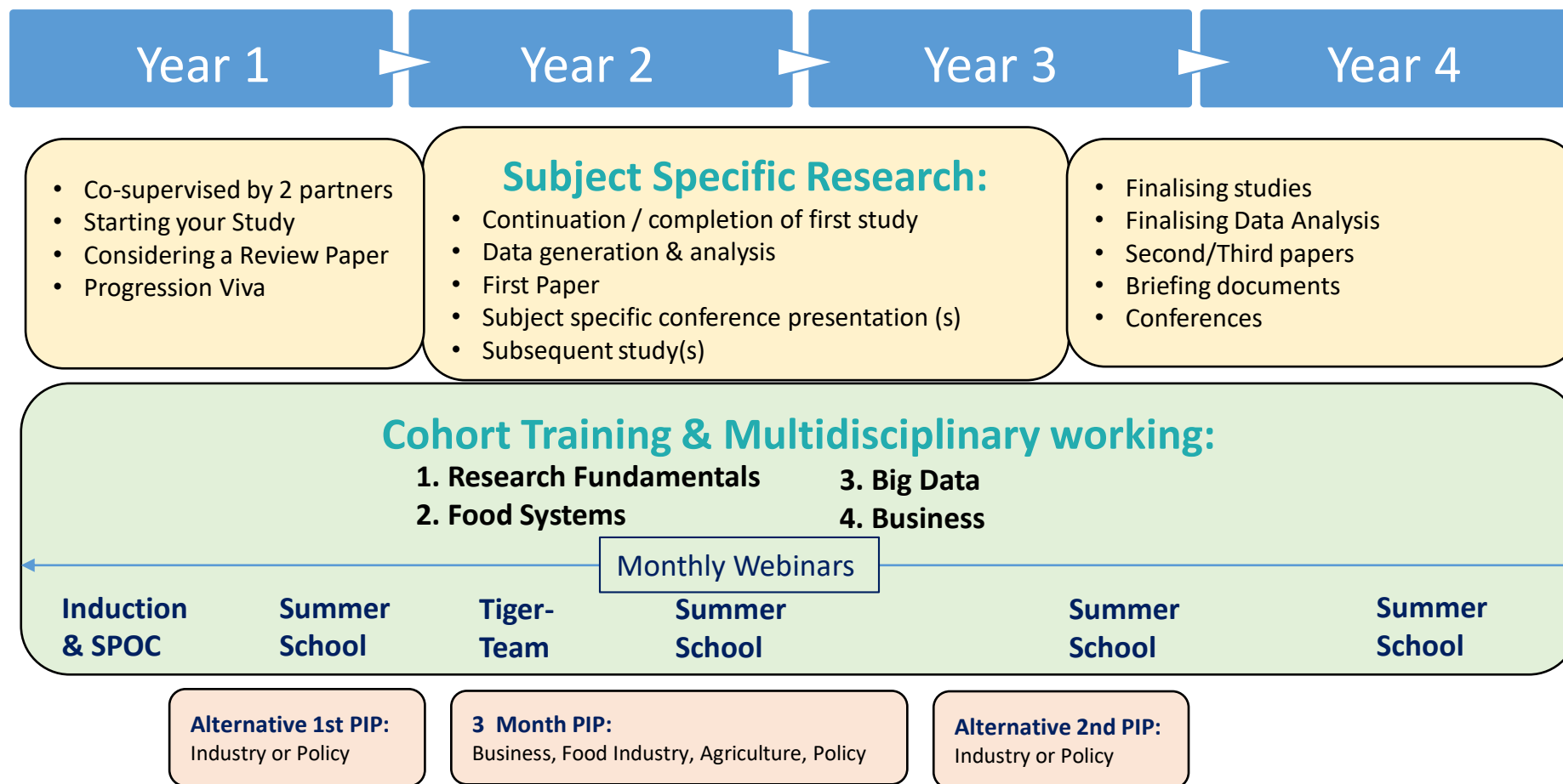
## The 52 Projects Currently Advertised

- All projects advertised: <https://research.reading.ac.uk/foodbiosystems/> and on findaphd.com
- We are looking for applicants from a broad range of backgrounds that have the skills, passion and drive to carry out research in the Food Biosystem: Agriculture, Food & Nutrition
- Application submissions close: Monday 8 February 2021 (9.00 am GMT)
- Interview period: Friday 26 February – Friday 12 March 2021
- Academic Requirements: 1<sup>st</sup>/2:1 Degree, &/or MSc, subject appropriate to the PhD(s) applied for
- Of 52 projects advertised 30 directly involve non-university partners, mostly Case studentships

Lead Institute	Number of Projects Advertised
Aberystwyth	6
Brunel	3
Cranfield	12
QUB	7
Reading	18
Surrey	5

Key Topic Areas	Number of Projects Incorporating this Topic
Across the Food Chain projects	4
Alternative Food Systems	3
Animal health and livestock agricultural systems	14
Consumer focused projects	1
Decarbonising food systems	10
Food Safety (microbial & other)	5
Food Security	3
Human Nutrition	14
Gut Microbiota	9
Plant / Crop systems	9
Soil systems	3

# The FoodBioSystems Training Programme



## Flexible Individual & External Training :

### Business:

- KTN Associate Program
- Entrepreneurship & Venture Summits (EIT)
- Global Food Venture (EIT)

### Data:

- SYSMic
- Uni Courses (Imperial, CU, AIMLAC)

### Agri-Food-Nutrition-Policy:

- Uni Courses
- COP-FAS (Walker Institute)
- NNEdPro (Global Centre for Nutrition & Health)

### You:

- Subject / Technical Specific
- Professional Skills
- Outreach & Public Engagement

# FoodBioSystems Academic Partners



Institute of Biological, Environmental & Rural Sciences  
Interdisciplinary Centre for the BioEconomy  
The Stapleton centre for pasture based agriculture  
Biorefining & Future Food Innovation Campus  
BBSRC National Plant Phenomics Centre



Centre for Sustainable Energy Use in Food Chains  
College of Engineering Design and Physical Sciences  
Institute of Energy Futures  
Manufacturing  
Institute of Environment, Health & Societies



Environment & AgriFood  
Centre for Env & Agri Informatics  
Soil and AgriFood Institute  
Manufacturing  
Management



School of Biological Sciences  
Institute for Global Food Security  
Centre For Intelligent Autonomous Manufacturing Sys  
Centre for Public Health

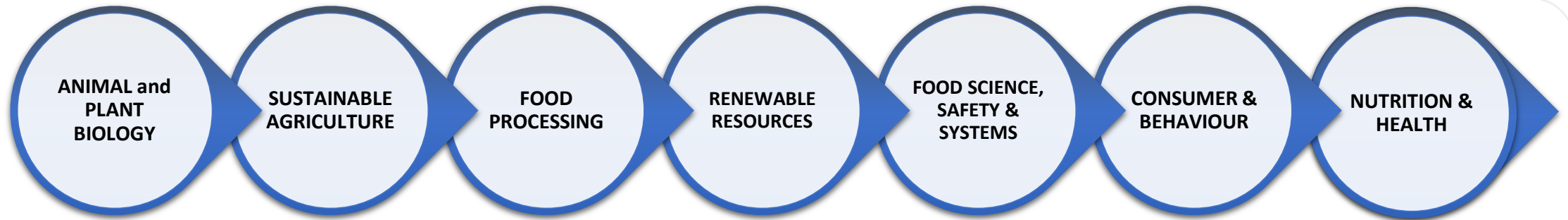
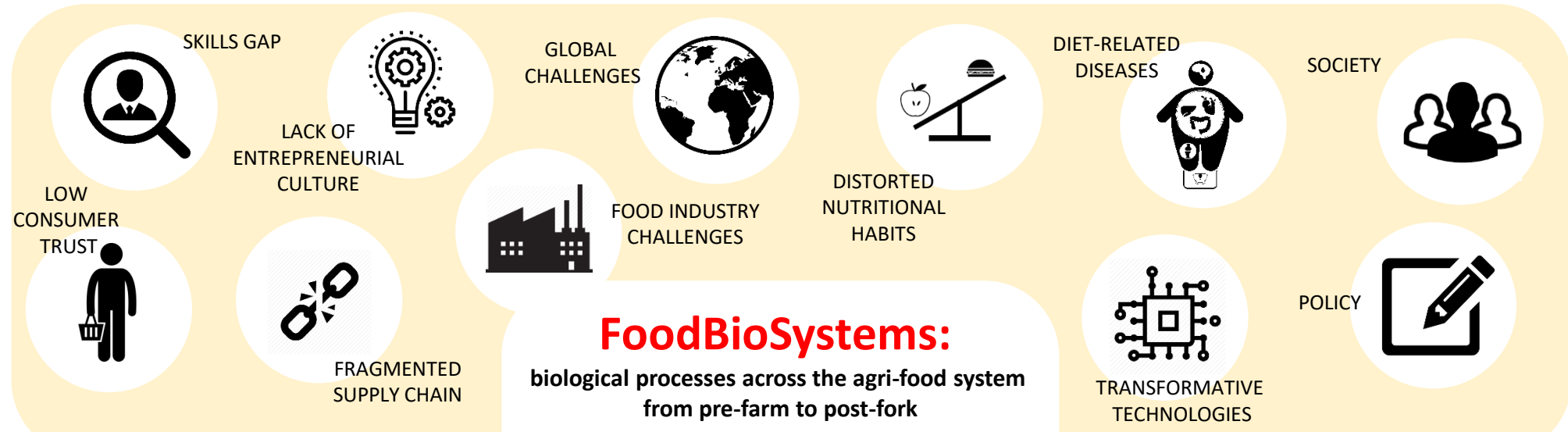


Food & Nutritional Sciences  
Agriculture, Policy & Development  
Biological Sciences  
Psychology  
Meteorology, Geography, Environmental  
Sciences



Department of Nutritional Sciences  
Centre of Environment & Sustainability  
School of Biosciences including Microbiology  
Centre for Food, Consumer Behaviour and  
Health Research  
School of Veterinary Sciences  
Department of Chemical Engineering

## CHALLENGES



CROSS CUTTING THEMES: Food Systems, Big Data, Research Fundamentals, Business

## OUTCOMES





# Our Associate Partners





# Our Affiliate Partners

- We have **60+ Affiliate Partners**
- **We aim to cover the complete Agri-Food Chain:**
  - Agricultural, Agri-Tech and Agricultural Equipment companies
  - All four AgriTech centres
  - Primary Producers
  - Food manufactures (from SMEs to global)
  - Food ingredient companies
  - Sensory and consumer science companies
  - Food analysis companies and institutes
  - Data and technology companies
  - Retailers
  - NGOs
  - Government organisations (eg. DEFRA, PHE)
  - Health Care Providers