The University of Nottingham
UNITED KINGDOM · CHINA · MALAYSIA

ROTHAMSTED RESEARCH

Harper Adams
UNIVERSITY COLLEGE

Cranfield UNIVERSITY

Establishment of a Strategic Training hub for the Advancement of the UK Agri-Food Industry

The ATP Consortium

- University of Nottingham ~ Sutton Bonington Campus

  Top in RAE 2008 (UoA 16 ~ Agriculture, Veterinary and Food Science) based on Research Power

- Cranfield University

  Leading provider of postgraduate training in Agriculture and Environment

- Harper Adams University College

  Leading provider in Higher Education for Sustainable Food Chain, Rural Economies and Land-based studies

- Rothamsted Research

  Largest agricultural research centre in the UK for Sustainable Crop Management and its Environmental Impact

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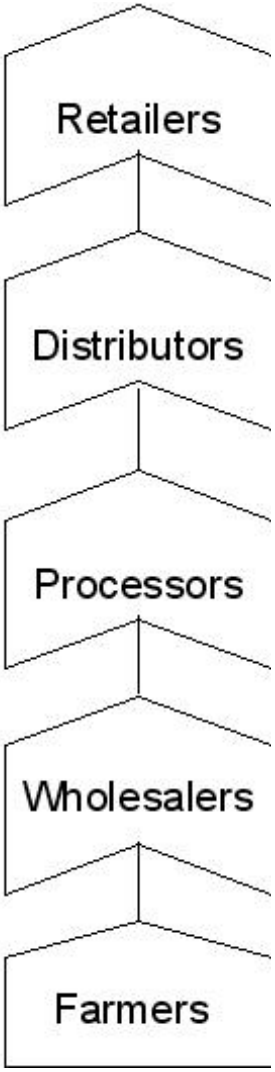
Our ATP Vision

- Customer driven ~ flexible and responsive
- Spans the entire Agri-Food supply chain
- Provides training from CPD to PhD
- Establishment of a vibrant community engaged in knowledge exchange
- Financially sustainable by year 7

Customer driven



AHDB Agriculture & Horticulture DEVELOPMENT BOARD

Sainsbury's Try something new today

KRAFT

HGCA

KERRY

CFA CHILLED FOOD ASSOCIATION

ASDA part of the WAL*MART family

UNIVEG Cycle of Freshness

Waitrose

DairyCo

BPEX British Pig Executive

POTATO COUNCIL

YOUR M&S

Northern foods

Masterfoods

BASF The Chemical Company

Campden BRI food and drink innovation

Nestlé Good Food, Good Life

PEPSICO INTERNATIONAL

BAKKAVOR

NFU

Spans the entire Agri-Food supply chain

Animals

Crops

Food & Nutrition

Natural Resources → Production systems → Processing & packaging → Product Quality → Retailer → Consumer

Integrative training

Provides training from CPD to PhD

CPD & short courses

- 1 day workshops
- Field days
- Accredited training courses
- Seminars
- Annual symposium

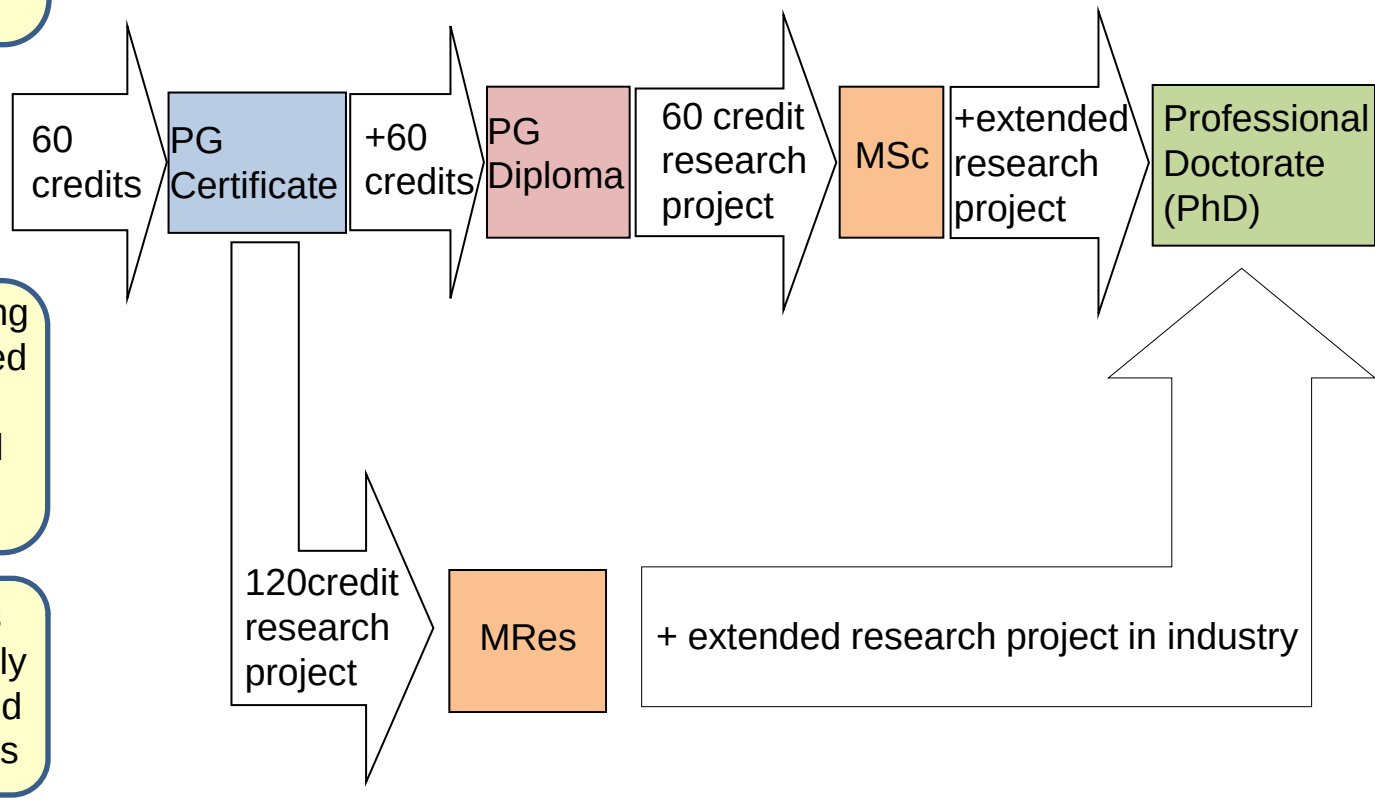
Credit bearing modules

- Generic training modules (e.g. stats, research skills, presentation skills)
- Work-based training module
- Specialist training modules selected from range of modules offered by ATP partners
- Thesis modules supervised jointly by academic and industry partners

Delivery by training days, CPD points, individual modules (taught and blended learning)

Modules validated by an academic validation panel

10 credits = 100h of study



Crop-oriented MRes Pathway

CU | HAUC | UoN | RRes

PGCert = 60 credits

Post Harvest Technologies	Soil & Water Management
Genetic Improvement of Crops	Crop Protection
Resistance to Agrochemicals	Statistics & Experimental Design

↓

Research project (in company) + 120 credits

↓

MRes =180 credits

Animal/Food-oriented MSc Pathway

CU | HAUC | UoN | RRes

PG Diploma = 120 credits

Animal Welfare & Production	Investigating Food Quality
Food security and Sustainability	Agriculture & Environment
Food Sensory Science	Livestock Production Science
Statistics & Experimental Design	Food Policy, Ethics & Law
Grassland Management	Animal Nutrition
Hygiene & Food Safety	Genomics, Proteomics & Metabolomics

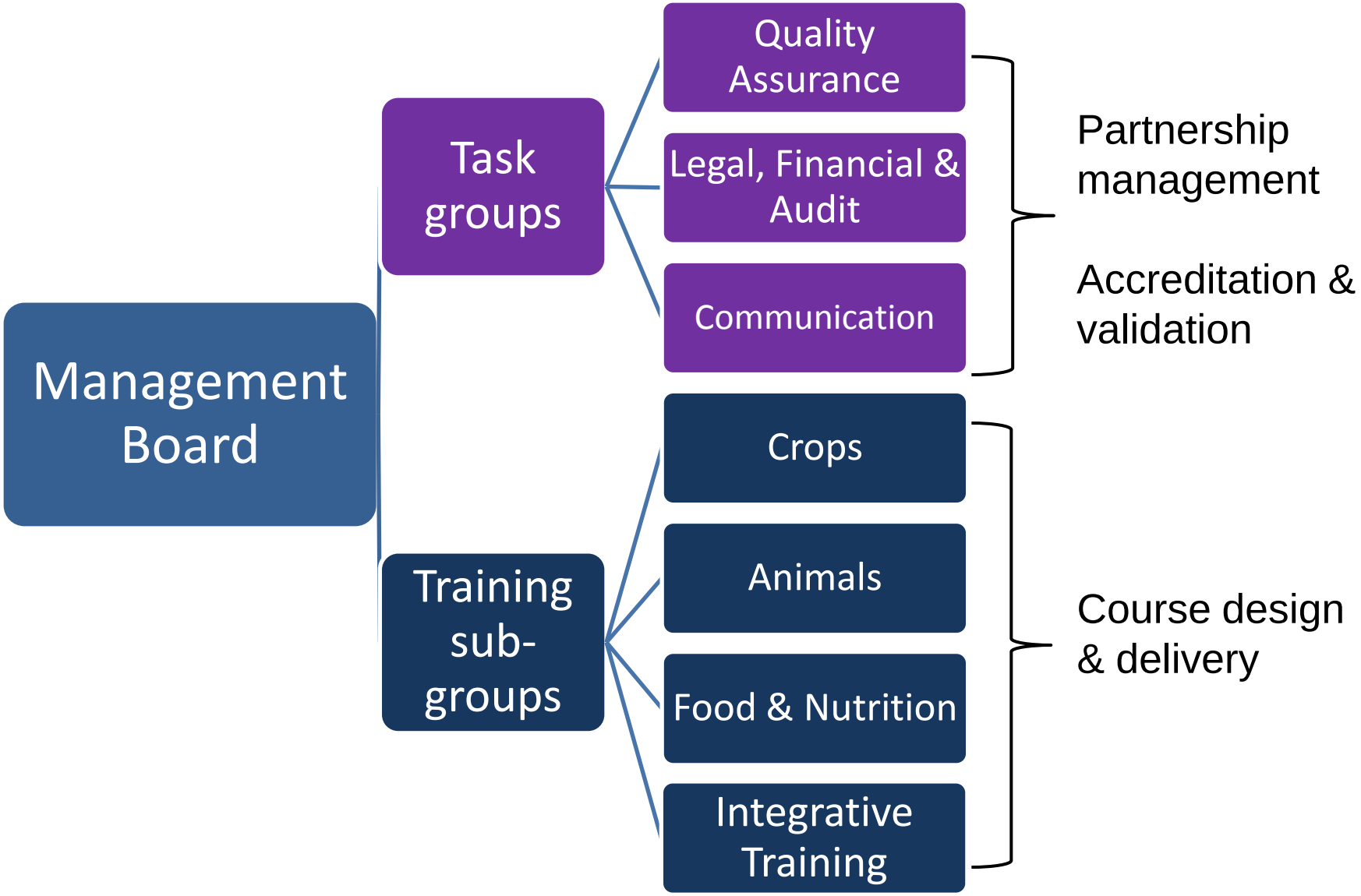
Research project (in company) + 60 credits

MSc =180 credits

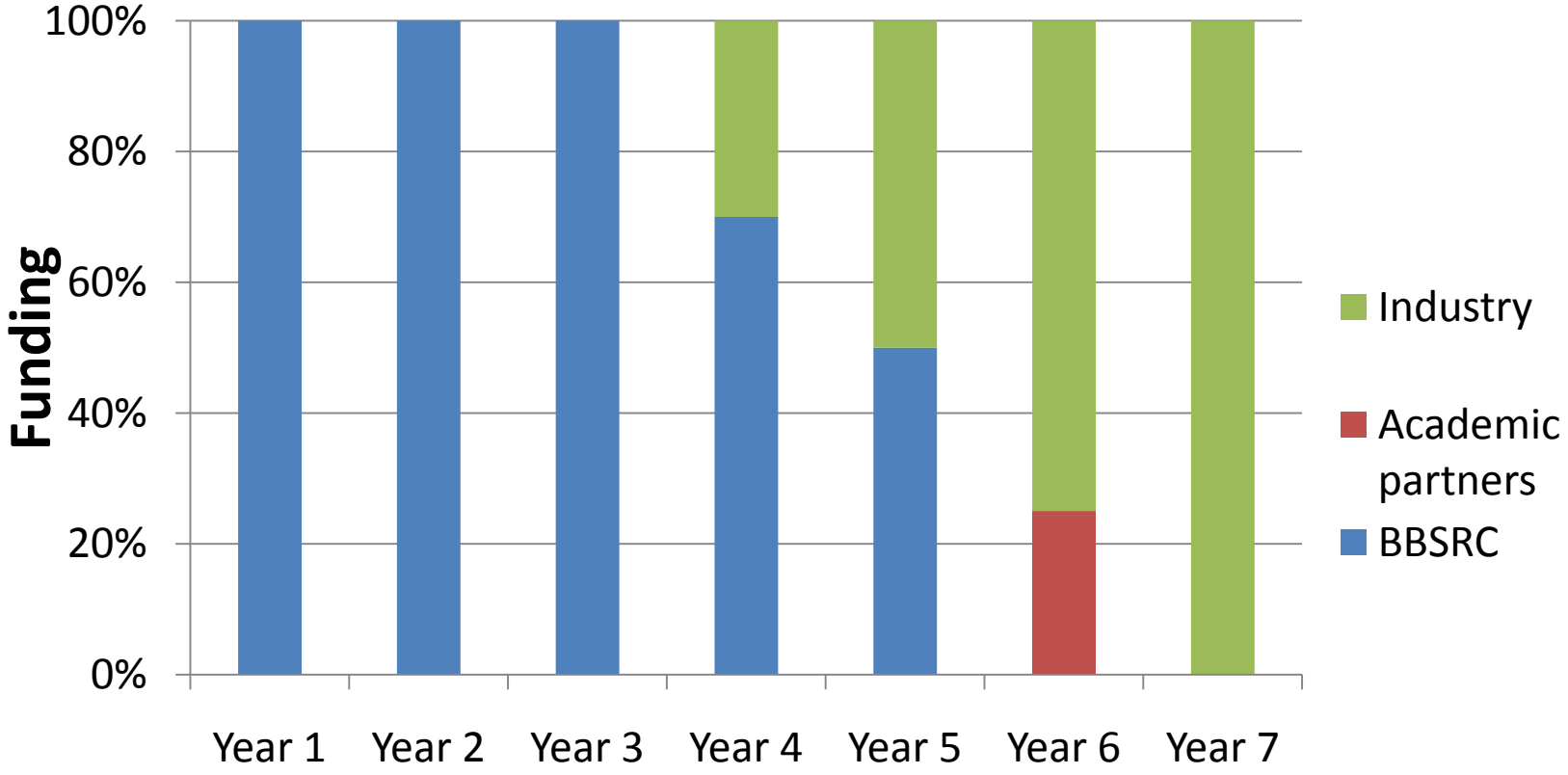
Flexible and responsive to feedback from customers

- Industry representation on Management Board
- Industry chairs of Training Sub-Groups
- Annual Symposium – ATP “partners” feedback experience
- Close collaboration with Biosciences Knowledge Transfer Network will assist in the development of new training opportunities

Governance Structure



Sustainability



- Students registering in Year 6 will be eligible for 25% bursaries offered by the academic partners
- Students registering for training in Year 7 will pay full costs

Time line for ATP delivery

Months

0

Recruit Partnership manager and E-learning technologists
Develop marketing/teaching materials
Establish credit transfer with other ATP centres

6

Launch ATP using “Food Security & Sustainability” theme
Publicise programme/run ‘taster’ delivery sessions/enrol students for modules already available

12

Deliver initial courses on topics such as:

- Food Security and Sustainability
- Post-harvest technology (Plants & Crops)
- Animal Product Quality & Veterinary Public Health

18

1st ATP symposium – “Scientific Basis of Food Production”

- To include combinations of plenary and simultaneous parallel sessions
- Stakeholder and student feedback to develop current modules and plan for future courses

Measuring Impact

To assess the impact of the ATP we will determine annually:

Benefits to Industry:

- Evidence that training has led to calibre improvement
- Evidence that training has enhanced personnel advancement
- Evidence that training has enabled product development
- Number of individuals using acquired skills in their role

Benefits to Partner Institutions:

- Number of ATP students participating in training
- Number of placements of ‘home’ students at industrial sites
- Contribution of industry to ‘home’ teaching programs
- Access to expertise and specialised equipment at industry partners

Benefits to Industry and Partner Institutions:

- Number of formal connections eg. CASE awards,TSB links

Establishment of a Strategic Training hub for the Advancement of the UK Agri-Food Industry

Questions to:

Jerry Roberts, John Brameld, (UoN)

Tim Hess (CU)

Peter Mills (HAUC)

Bill Clark (RRes)