

**Agrifood Charities Partnership Forum**  
**11<sup>th</sup> March 2008**

**HOW CHARITIES CAN ASSIST IN THE  
EDUCATION AND WORKFORCE SKILLS  
DEVELOPMENT**

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# **The Skills Supply Chain**

# The Learning Supply Chain

## Supply Side

Training Provider

Colleges/Universities

Schools

Careers Services

## Demand Side

Industry

Employers

Trade Associations

Professional Bodies

8 – 13 year olds –

13 – 16 year olds –

16 – 19 year olds -

19 +

Aspirations

Choice of directions

Academic/Vocational

Stay at School

Further Education

Work place learning

Develop Individually

Develop Career

Career Changes

Higher Education

# Land-based Subjects (broad definition)

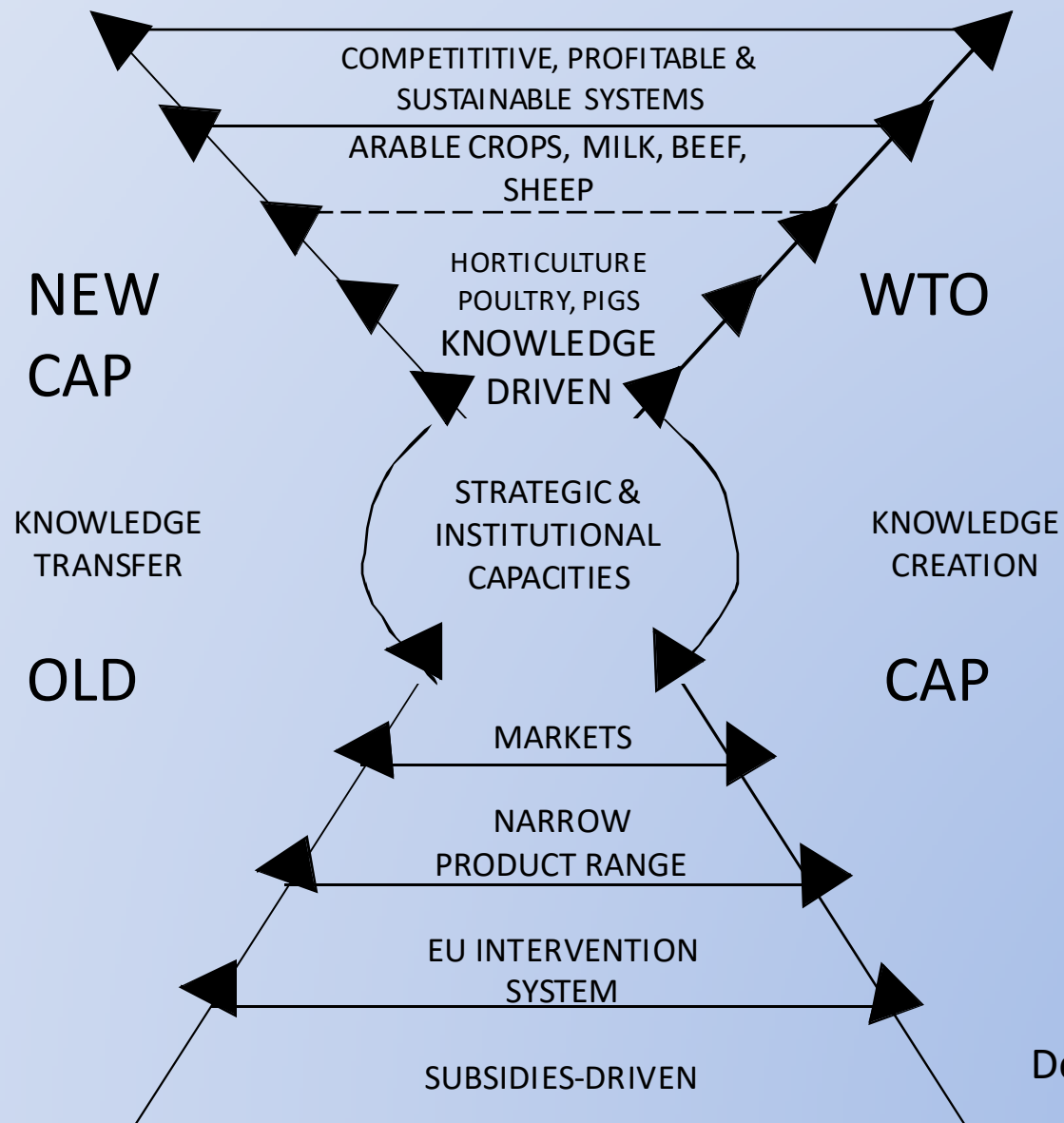
12,000 FTE	100%	>100 institutions (120 FTE)
9,000 FTE	75%	30 institutions (300 FTE)
6,000 FTE	50%	12 institutions (500 FTE)
3,000 FTE	25%	70 institutions (30 FTE)

3 Monotechnics	20%
University Departments	40%
FEC	40%

4 universities account for almost all basic research capabilities but teach less than 10% of students

PhD 8						H I G H E R	
M 7					MDS		
H 6			BASIS Plant Protection ⇨	(15)			BASIS Crop Protection (30)
I 5			Soil and Water Management ⇨	(15)	FACTS (15)		BETA (15)
C 4	15	10	5	5	AMTRA		
3						F U R T H E R	
2							
1							

# From Farming Subsidies to Farming Knowledge – The Skill of Knowledge Management



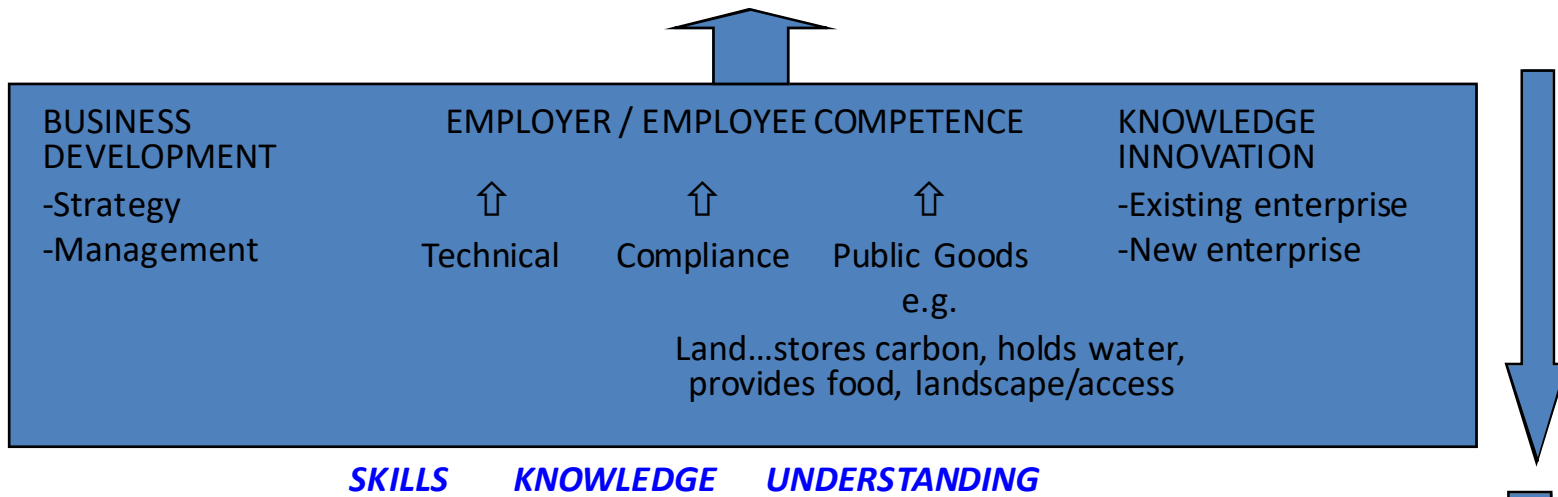
Downey 2007

Grow / develop business  
 Build a career  
 Reach productive or employment potential  
 Improve competitiveness  
 (World Class)  
 Economically sustainable

**PROFESSIONAL PERSPECTIVE**

*Drives demand for personal development...*

**PROCESS:**



**SKILLS KNOWLEDGE UNDERSTANDING**

**PROFESSIONAL:**

**KNOWLEDGE DRIVEN AGRICULTURE**

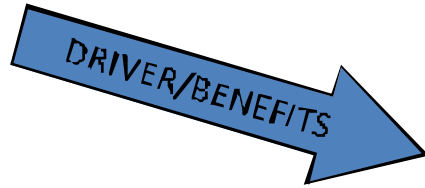
CAREER / EMPLOYMENT / SATISFACTION  
 For those already in the sector

ATTRACTIVE TO NEW ENTRANTS

**The Sustainable Rural Entrepreneur**



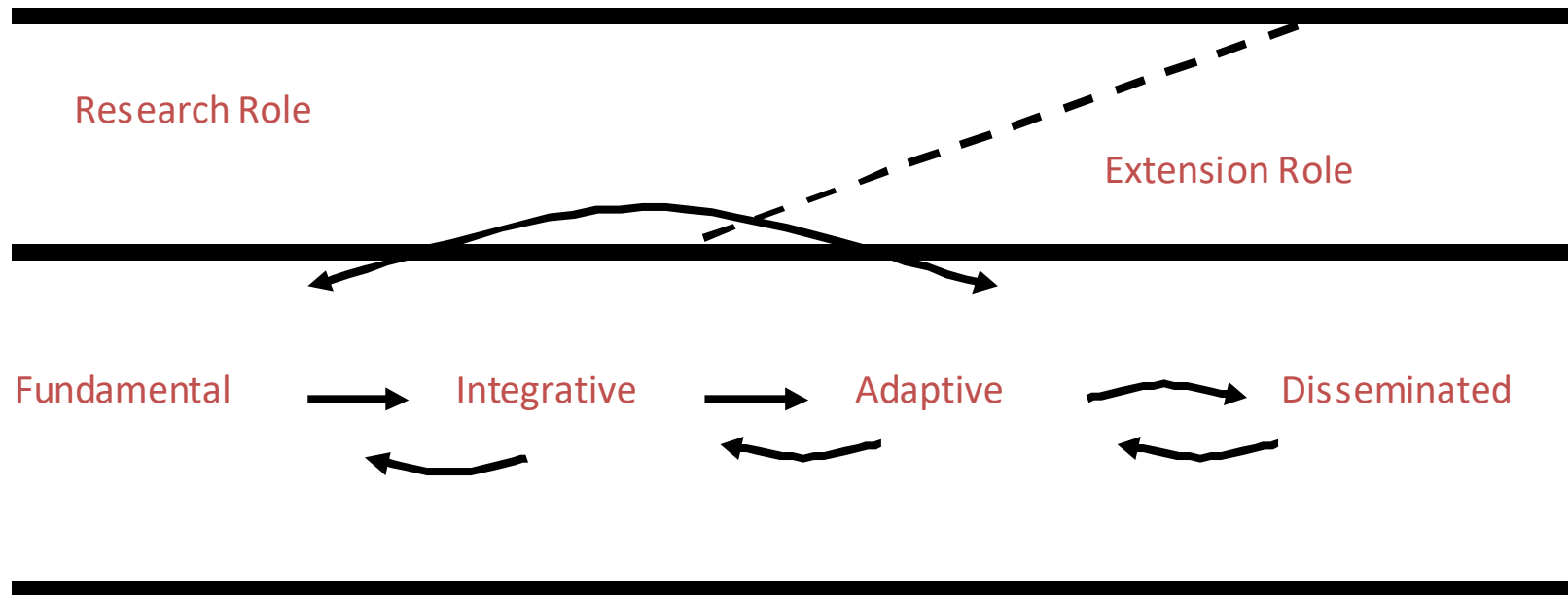
**GROUP OF LIKE MINDED INDIVIDUALS**



**PEOPLE:**

- Energise
- Empower
- Benchmark
- Motivate
- Brokerage

# The Research Continuum





# DEFRA

## 2 Reviews

Hillary Benn (NFU Conference)

1. Revisit scientific priorities in partnership with those who are investing in UK farming and agricultural research, including the private sector
2. House of Commons EFRA Committee launched enquiry into Science at DEFRA

## 2 key challenges

- Research, teaching and our links with businesses and employers
- Links between research innovation in enterprise
  - The last is difficult and variable – micro business – large multinational
  - There is a complicated relationship between investment; output in terms of papers, patents and papers; and economic benefit
  - UK – 6 million adults hold 'A' level of equivalent but no HE qualification

# Marketing/Promotion

- Contributions (and support in kind) to organisations such as:  
Farming & Countryside Education (FACE)
- Fund Schools to visit Farms
- Assist Lantra [the Sector Skills Council (SSC)], Landex [the consortium of Land Based Colleges] and others to effectively promote the sector

# Entry Gatekeeper

Provide bursaries/scholarships for young people to study

# Undergraduate

- Provide funds for student prizes and support for investigational projects and activities
- IP's are published – important for undergraduates to be part of the research process
- Provide funds for students to travel abroad

# Postgraduate

- Postgraduate taught and research studentships
- Applied PhD students are an important source of staff for FE and HE

## **Research**

- Provide support for applied research projects

## **Reachout/Knowledge Exchange**

- Contributing to the overall process of knowledge exchange and knowledge exploitation
- Contribution to activities particularly not for profit initiatives in social enterprise

## **Lifelong Learning**

- To fund initiatives and learning materials to enable us to deliver new knowledge and skills whilst at the same time exploiting the Credit and Qualifications Framework and CPD activities
- The closer a country is to “the technological frontier” (as measured by patenting activity) the more dependent is its growth on a highly educated workforce

**Capital Contribution**

**Staff Development/Staff  
Travel/Staff Sabbatical**

**Other**

# So, our online technical library could involve the following...

