



The EPSRC Centre for Innovative Manufacturing in Industrial Sustainability



- 20%+ energy in manufacturing
- 50-90% of waste is 'commercial & industrial'
- This is not about products
- This is not about energy supply
- This is about the role of industry in a sustainable system
 - What can industry do in the long term?
 - What can industry do NOW

The challenge. . .

To double output, emit 80% less GHGs & halve resource use

The challenge requires *radically* new approaches we term, ***Industrial Sustainability***, which requires nothing less than a new industrial revolution. . .

VITSOE™ EPSRC

Pioneering research
and skills



UNIVERSITY OF
CAMBRIDGE



Unilever



*Founder members
include*

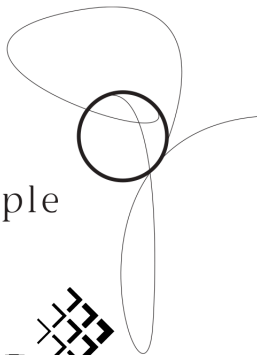


Cranfield
UNIVERSITY



The
manufacturers'
organisation

riversimple



TUC



**MARKS &
SPENCER**



Loughborough
University



**Imperial College
London**



... will support the development of a sustainable UK industrial system through the provision of

- **Knowledge**
- **Leaders**
- **Tools & methods and**
- **Policy support**

all grounded in **practice**.

Our Vision

What are the Key Challenges?

The EPSRC Centre for Innovative Manufacturing in Industrial Sustainability

How to make current products
in a low-carbon, resource
efficient manner.

How to transform our factories
and products.

Explore how the entire
industrial system might change



Eco-efficiency

- Reducing resource use (Water, energy, materials)
- Improvements without radical changes to product or process



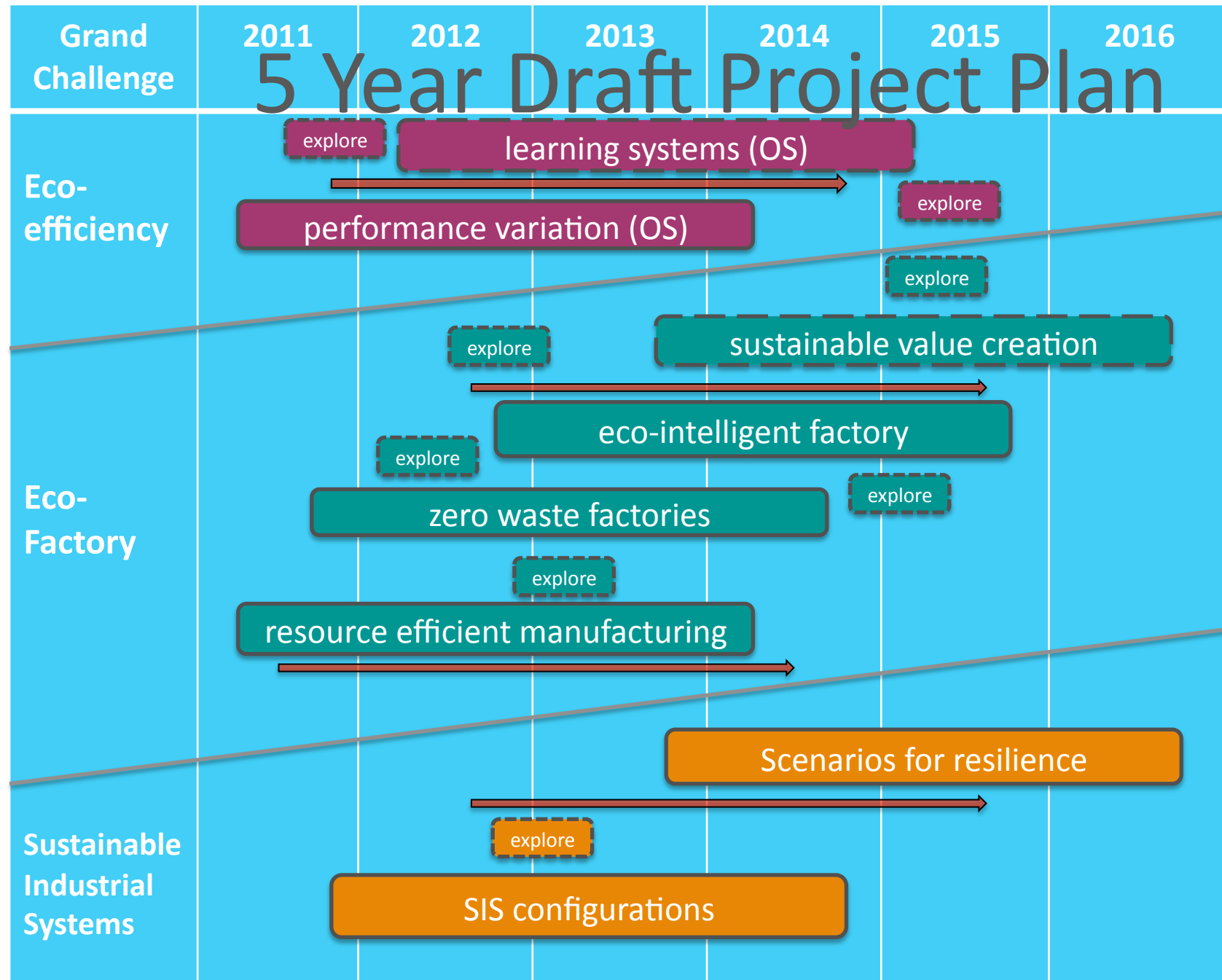
Eco-factory

- Increasing added value and improving production capability & responsiveness
- Decreasing the consumption of natural resources



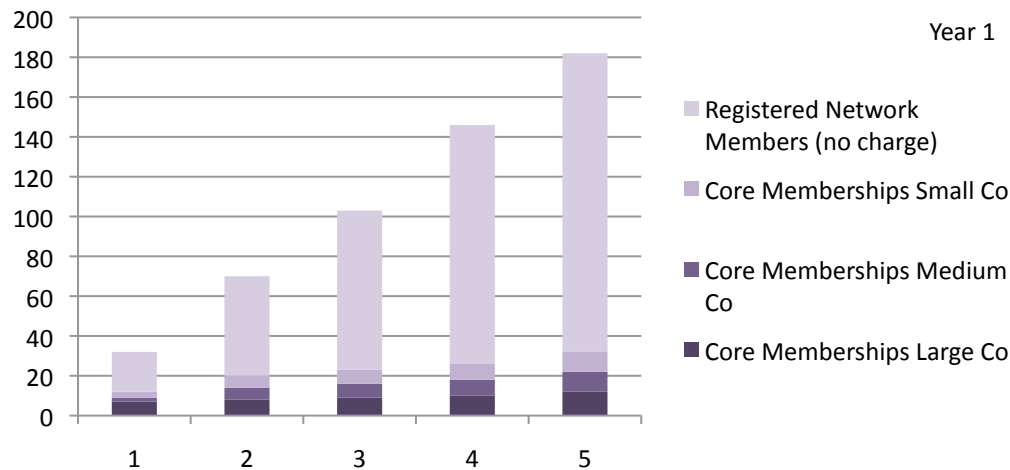
Sustainable Industrial System

- Exploring future configurations of the industrial system & the implications
- Taking first steps to improve understanding of the long term challenges facing industry

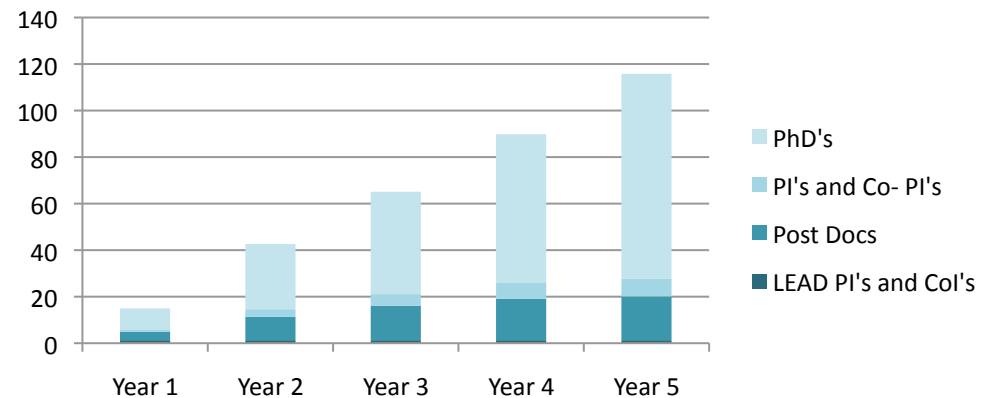


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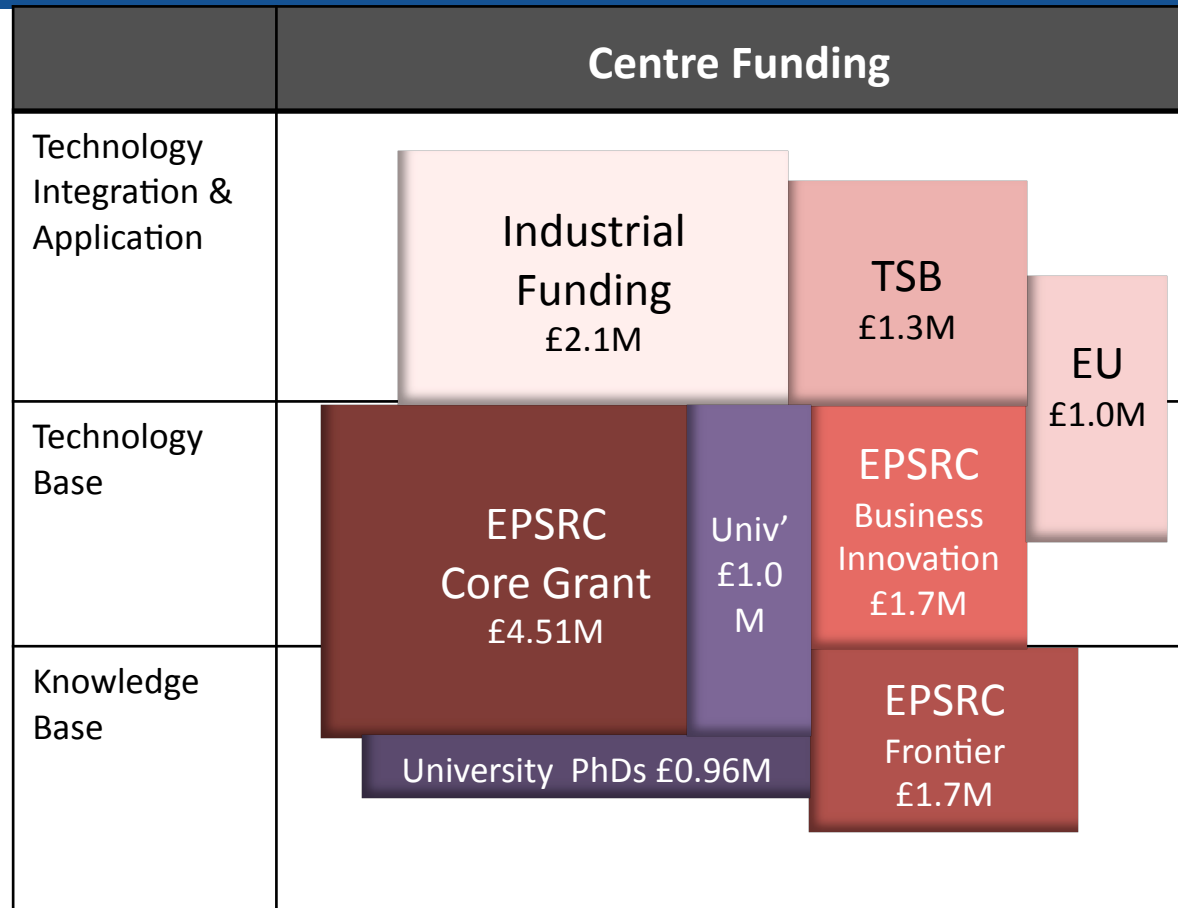
Membership Growth



Resource Growth



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Delivery of tools
and techniques
that improve
current
performance

Creation of a
large cohort of
future industry
and research
leaders

A strong
membership
that uses results

Direct policy
influence

Envision the
potential future
shape of the
industrial system

“We aim to create a transparent, collaborative community for practical research into ways to enable manufacturing and industry to become more sustainable. . . .”