

# Sense and Sensibility: A Balanced Approach to Performance Management

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"The science base is the absolute bedrock of our economic performance"

Tony Blair, British Prime Minister





"The future of the British economy depends on the future of British science"

Gordon Brown, Chancellor of the Exchequer



#### Science and Innovation Framework 2004-2014

- Making the UK the most attractive place for science and innovation
  - Doubling the Science Budget over ten years

#### **Public Service Agreement - Science and innovation**

Improve the relative international performance of the UK research base and increase the overall innovation performance of the UK economy making continued progress to 2008, including through effective knowledge transfer amongst universities, research institutions and business.

### **Output 1**

A healthy UK science and engineering base

Output 2
Better Exploitation



#### **Success Criteria**

Success in improving the UK's innovation performance will depend on the health of its science and innovation system.

- World class research at the UK's strongest centres of excellence
- Sustainable and financially robust universities and public laboratories across the UK
- Greater responsiveness of the research base to the needs of the economy and public services
- Increasing business investment in R&D, and increased business engagement in drawing on the UK science base for ideas and talent
- A more responsive supply of science, technology, engineering and maths skills to the economy
- Confidence across UK society in scientific research and innovative applications



Performance is your reality. Forget everything else.

Harold Geneen President and CEO, ITT



Promises may make friends, but 'tis performances that keep them.

Old German proverb



# Performance Management Framework

#### Output 1: A healthy science and engineering base

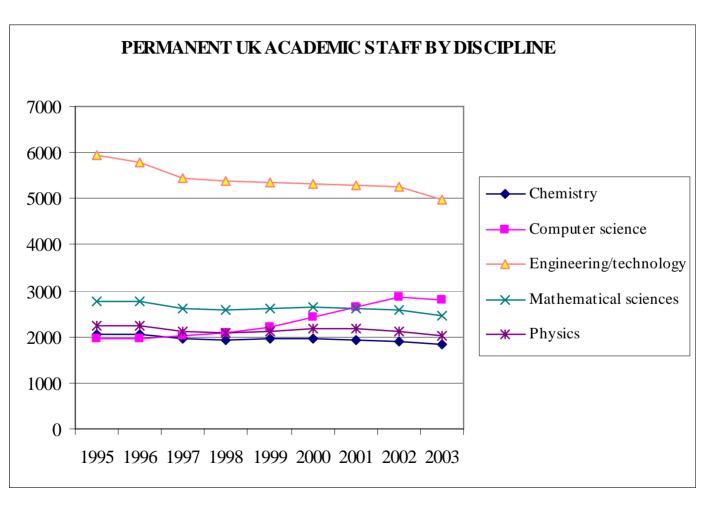
	UK contribution	UK newly trained	UK trained people	Facilities and	Positioning and
	to global	people	pool	infrastructure	relationships
	knowledge				
Scale	Number of publications per annum from EPSRC funding		Number and Spend on current EPSRC funded research assistants (PGRAs and PDRAs)	Spend on facilities per annum	EPSRC interactions with stakeholders
Quality	sciences community	funded PhDs	First destination of EPSRC funded research assistant		Diversity issues will be informed by the research councils UK groups covering Science and Society, and Research Careers and Diversity
Agility	publications from £1M	Number of EPSRC funded PhDs in identified priority areas			
Sustainability		% Spend on EPSRC funded PhDs per annum per £ EPSRC	% Spend on EPSRC funded research assistants per £ EPSRC	% Spend on EPSRC equipment on grants per £ EPSRC	Survey trends in public attitudes to science issues
User focus - science and engineering base		/	% of EPSRC funded PDRAs and PGRAs remaining in academia		Interaction with research organisations
User focus - business and public services		destination in business and	% of EPSRC funded PDRAs and PGRAs in business and public services		Number of business and services people on EPSRC's strategic bodies

#### **Output 2 : Better Exploitation**

		Interaction with business and	Collaborative Research	Commercialisation of Research	Cooperative Training	People Exchanges between SEB and
_		public services				users
	Scale	organisations (public or private) with which EPSRC	total spend) on collaborative	Enterpise Support: Expenditure on programmes to promote	Expenditure on collaborative and vocational postgraduate	PhD Career Trajectories: % ex-PhD students that take up employment in industry, commerce or public sector (02-03 figure)
		Strategy Formulation: User Representation on EPSRC	Collaborator Investment: Resource contribution of users reported on completed	0.1	Employer Investment: resource contribution of employers to collaborative pg training	



# Sustainability





# Quality - % world citations (Chemistry)

1997-2001		2000-2004	
USA	35.08%	USA	34.22%
Japan	11.82%	Japan	11.88%
Germany	11.73%	Germany	10.71%
UK	8.58%	UK	7.83%
France	7.04%	France	6.59%
Italy	4.29%	China	4.98%
Canada	4.08%	Italy	4.26%
China	2.95%	Canada	3.54%



# Quality - % world citations (Mathematics)

1997-2001		2000-2004	
USA	41.75%	USA	38.79%
France	11.22%	France	12.14%
Germany	10.87%	Germany	10.10%
UK	8.80%	UK	8.65%
China	5.58%	China	8.20%
Canada	5.51%	Italy	5.88%
Italy	5.19%	Canada	4.99%
Japan	4.25%	Japan	4.35%



Jane Austen 1775- 1817



It is a truth universally acknowledged that a single man in possession of a good fortune must be in want of a wife.

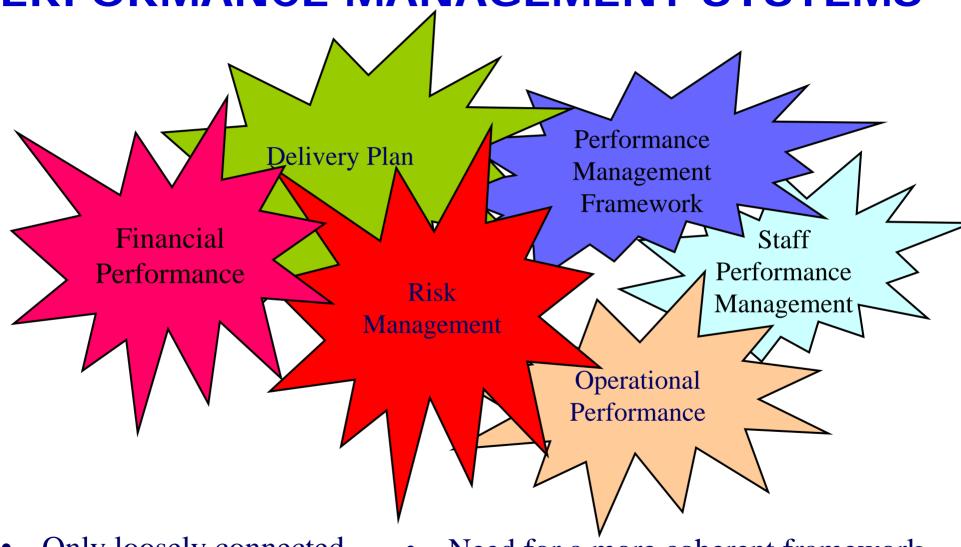
Jane Austen, Pride and Prejudice



It is a truth universally acknowledged that an organisation in possession of a good fortune must be in want of a performance management system.



PERFORMANCE MANAGEMENT SYSTEMS



Only loosely connected

Need for a more coherent framework



You've got to be very careful if you don't know where you're going, because you might not get there.

Yogi Berra US baseball catcher



#### **EPSRC Vision**

For the UK to be the most dynamic and stimulating environment in which to engage in research

EPSRC will deliver a significant and visible contribution through:

- Excellence: Supporting world class people and projects through open, transparent and effective operations
- Engagement: Building strong alliances throughout the research and innovation system involving researchers themselves, business, funding partners, the public and our own staff
- Empowerment: Promoting an enterprising culture of adventure and excitement in which people seize opportunities and make things happen

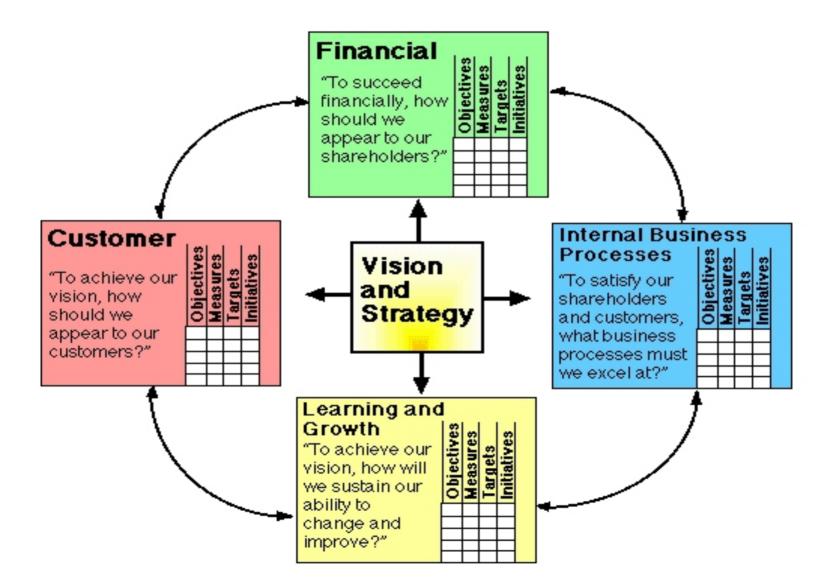


## **BALANCED SCORECARD**

A *management system* (devised by Robert Kaplan and David Norton) that enables organisations to:

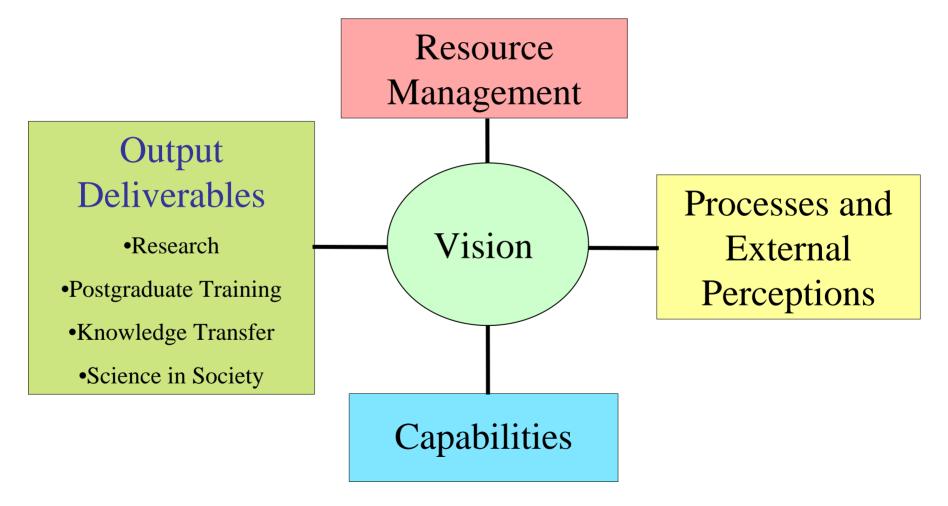
- clarify their vision and strategy
- translate them into action

It provides feedback around both the internal business processes and external outcomes in order to continuously improve strategic performance and results





# **EPSRC BALANCED SCORECARD**





## RESEARCH DELIVERABLES



- Adventure and Creativity
- Critical Mass
- Academic Freedom
- Multidisciplinary Research
- Sustainability
- Health of Disciplines



# **KNOWLEDGE TRANSFER DELIVERABLES**

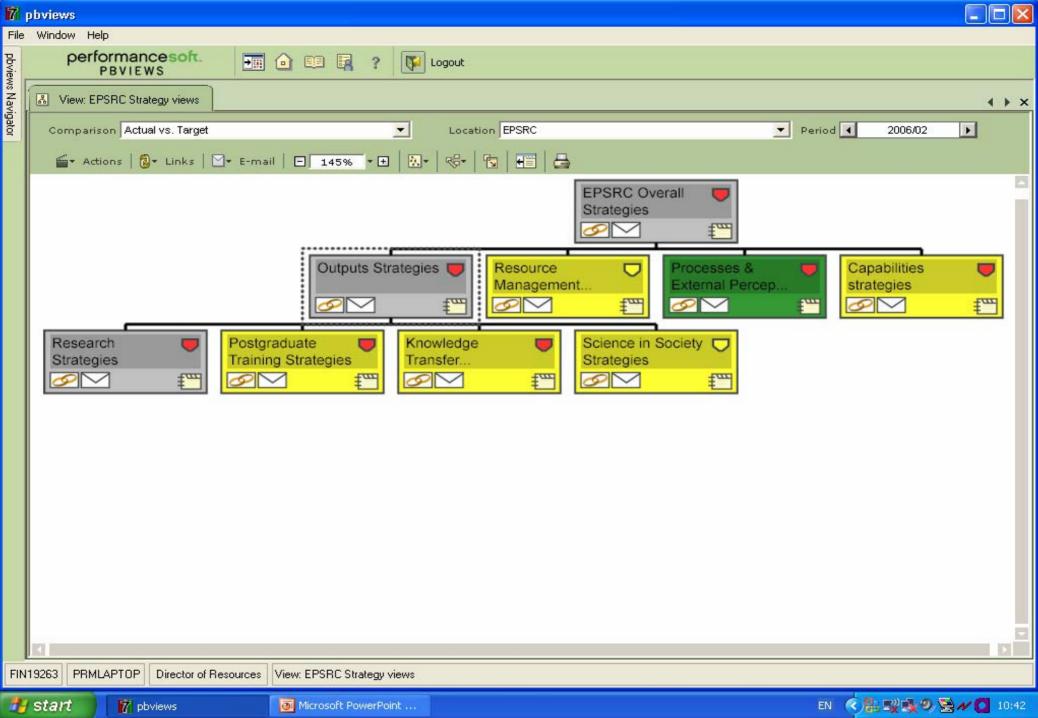
- Collaborative Research
- Co-operative training
- Commercialisation
- Partnerships

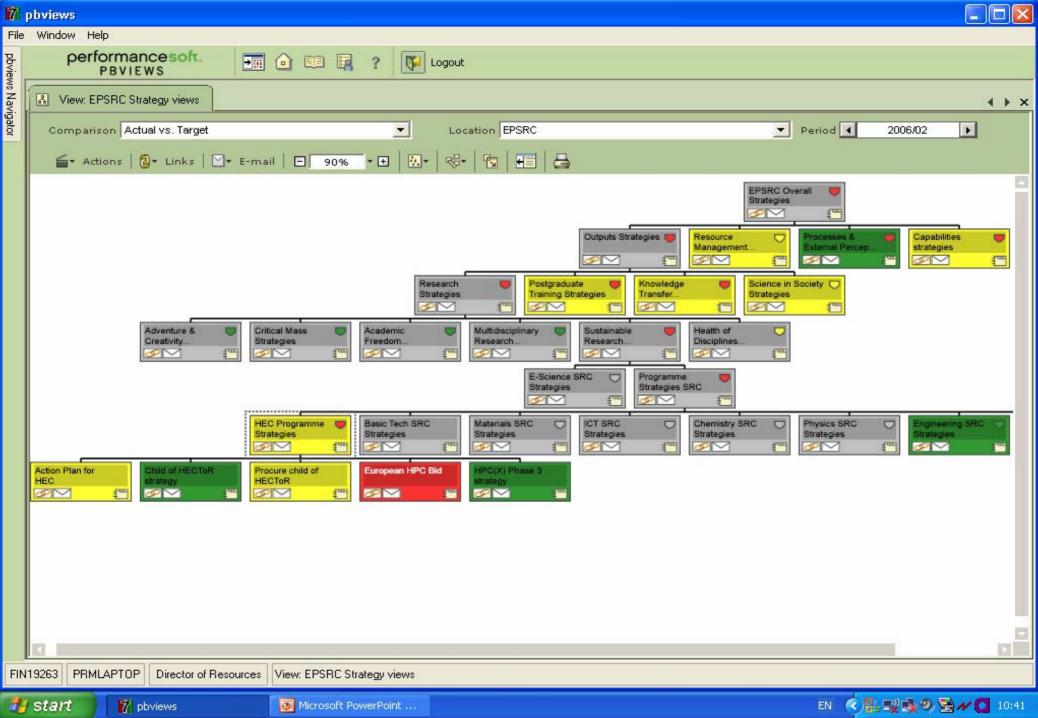


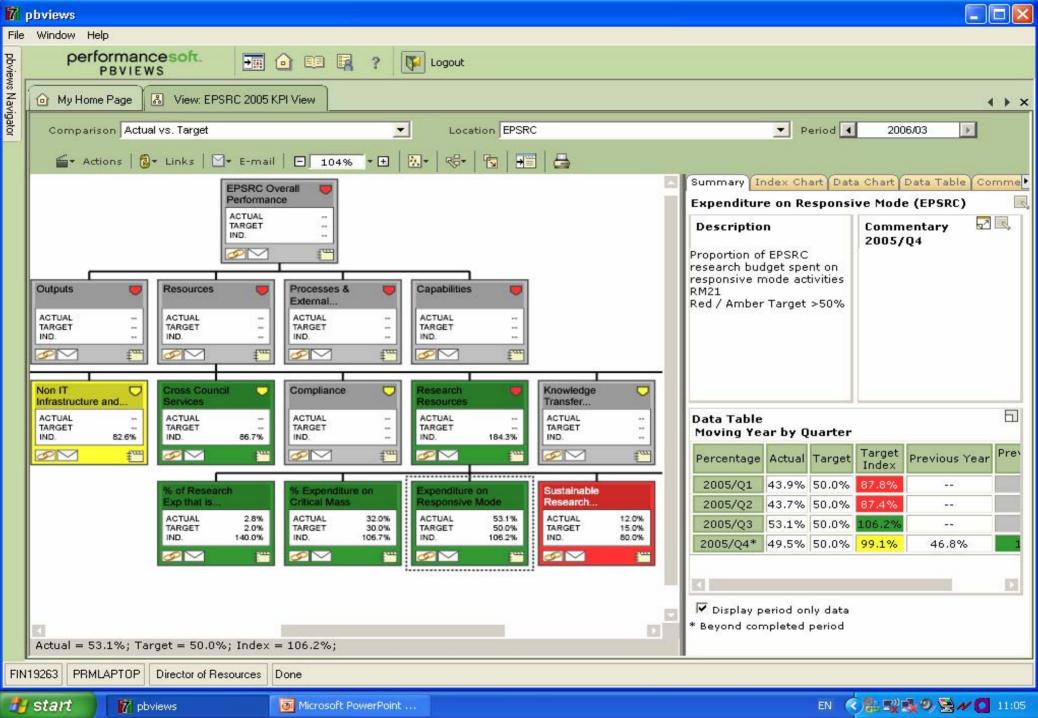


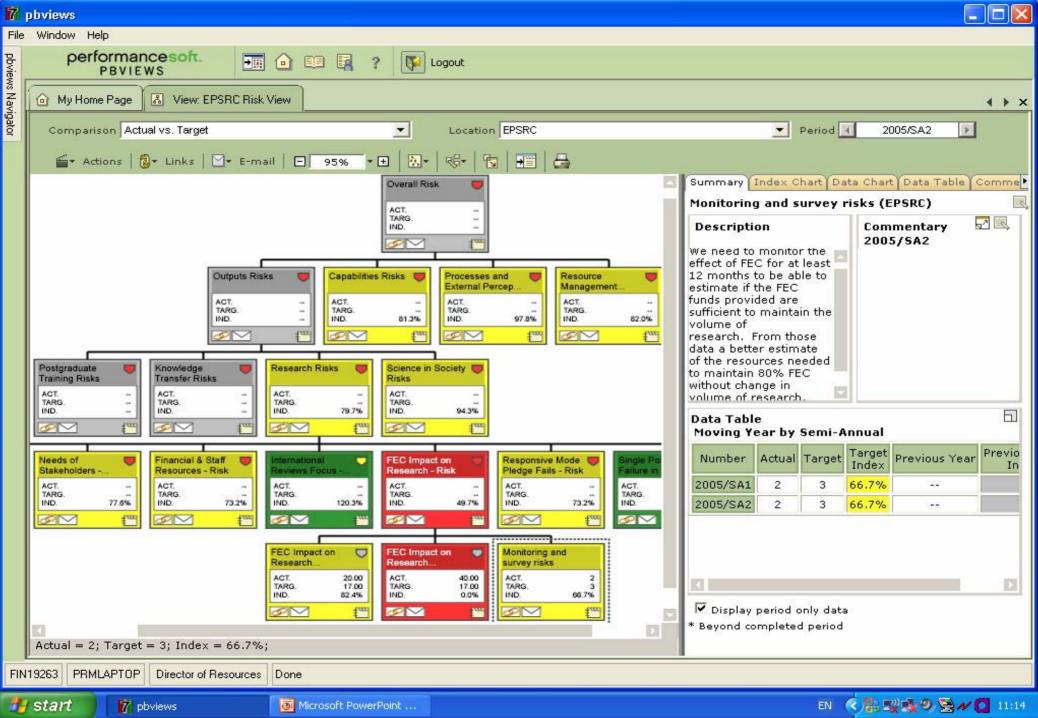
How do we know if we have...

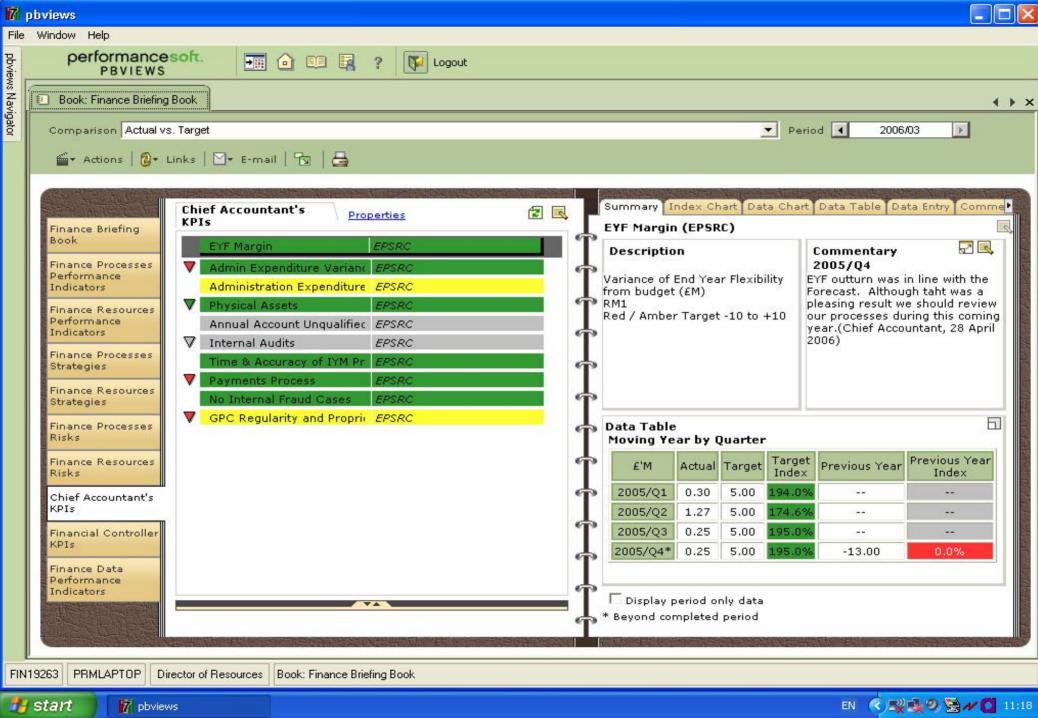
What might stop us...
and what do we do
about it...













Where any one body of educated men, of whatever denomination, are condemned indiscriminately, there must be a deficiency of information or ... of something else.

Jane Austen, Mansfield Park



You have delighted us long enough.

Jane Austen, Pride and Prejudice



# Thank You