



ESTA Spring Series 2010 | 2020 Vision

Is it time to stop counting carbon and time for controlling

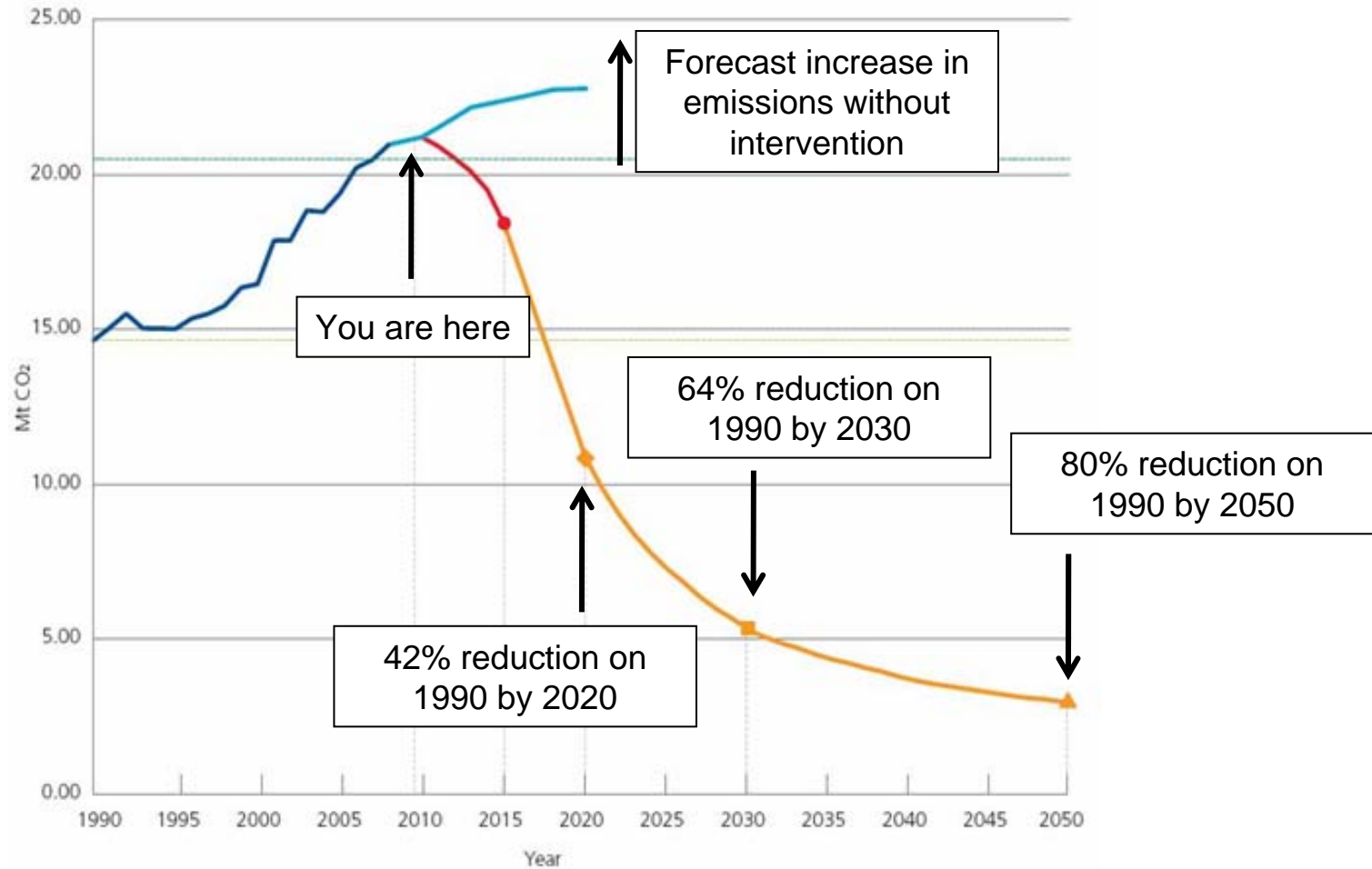
Glyn Mountford
Partner | digitalenergy



Why do we need to count, manage and reduce emissions



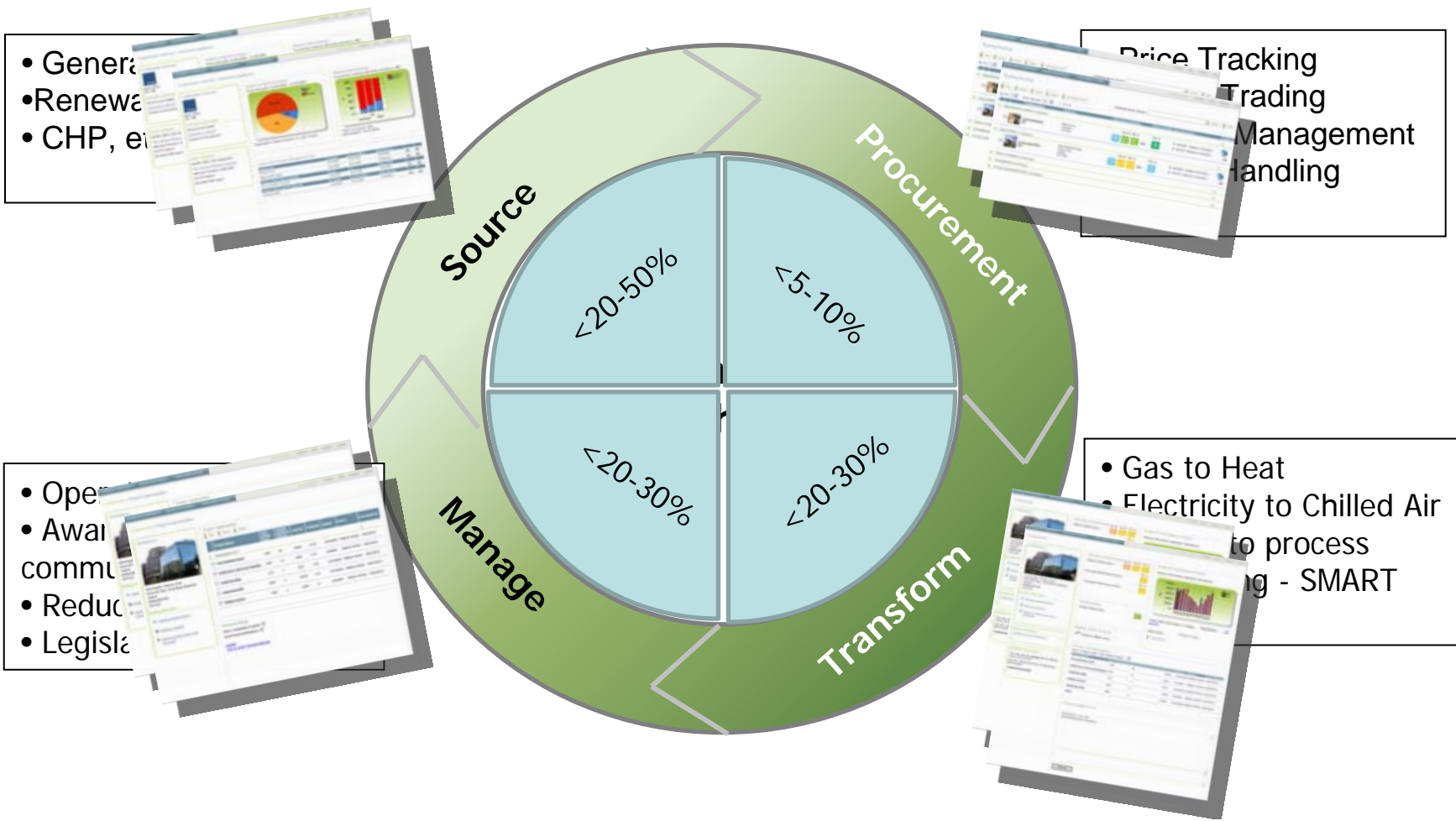
Example reduction target from Government Department



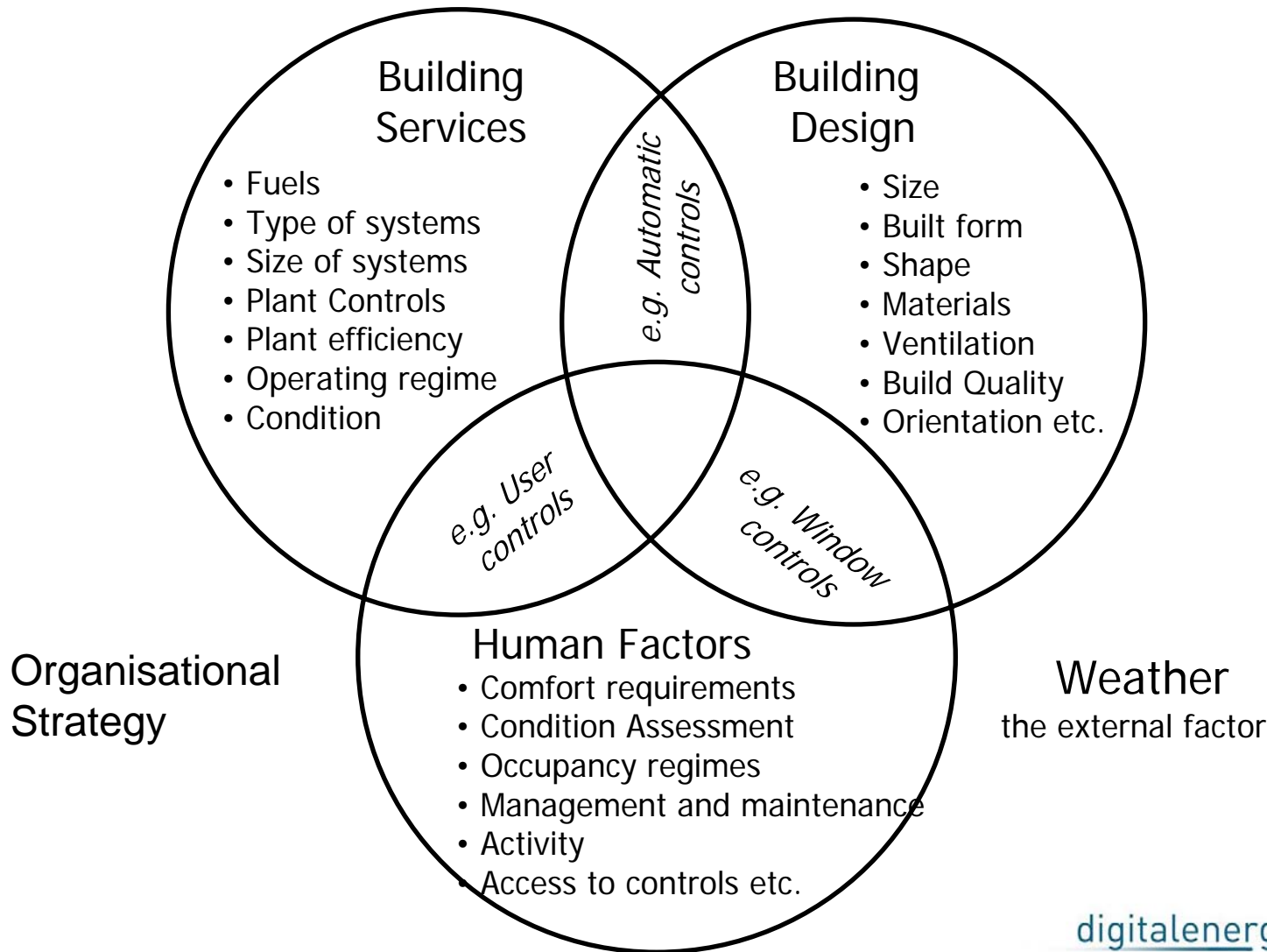
The carbon path to 2020 and the need to be **Compliant**

- Display and Operational Energy Certification
 - Expanded to wider scope of public sector
 - Best practice?
- Energy Performance Certificates
 - Emphasis on quality and awareness through display
 - Indication of what can be achieved at an asset level
- Carbon Reduction Commitment (CRC EES)
 - Need to report – count
 - Need to reduce – control
- Building Regulations Part L
 - Measures to count
 - Design to control
- Climate Change Act/s
 - Carbon Budgeting and Reporting
 - Other Certifications

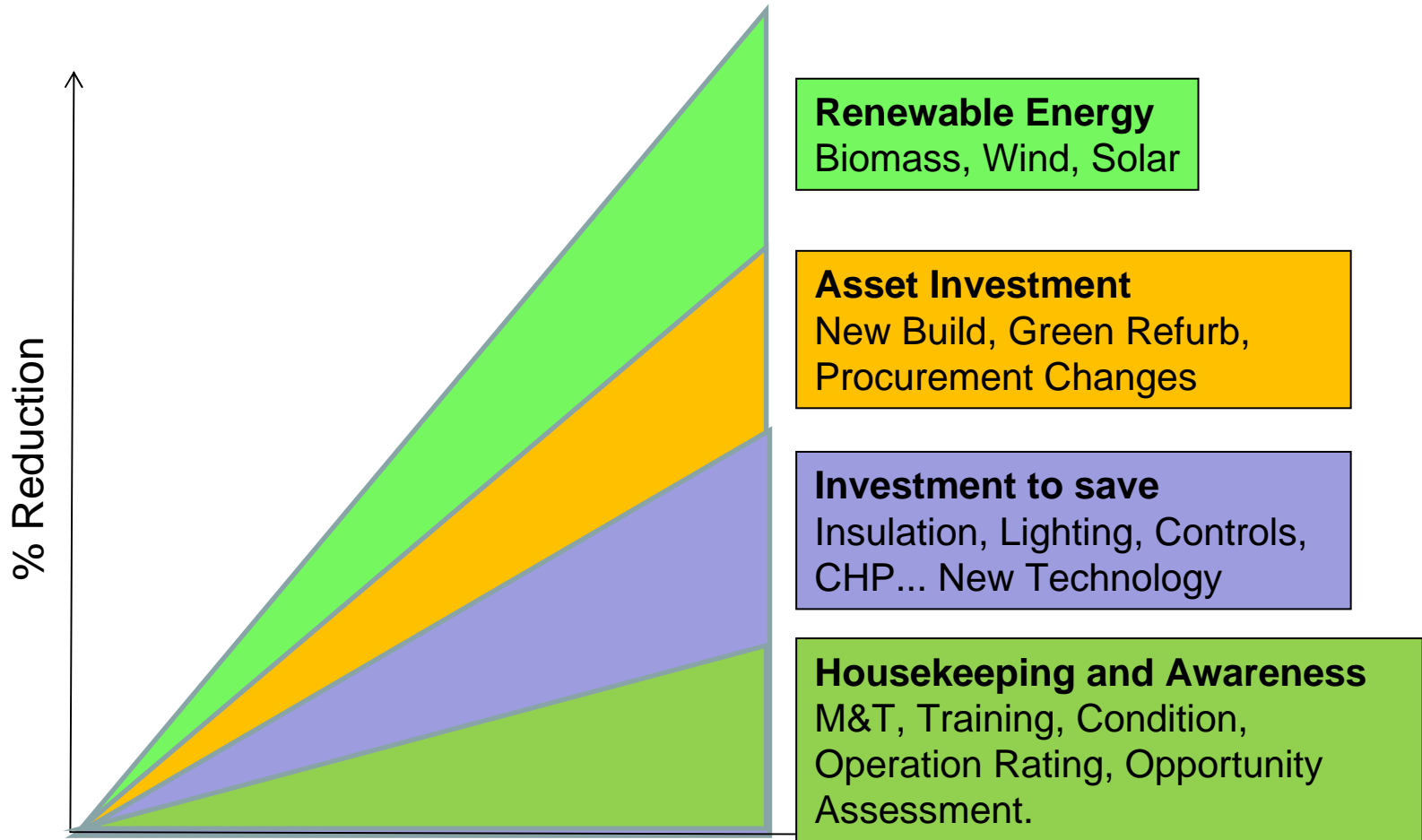
The Operational Energy Cycle – Optimising The Energy Value Chain



What affects Energy Performance and Reduces Carbon Emissions?

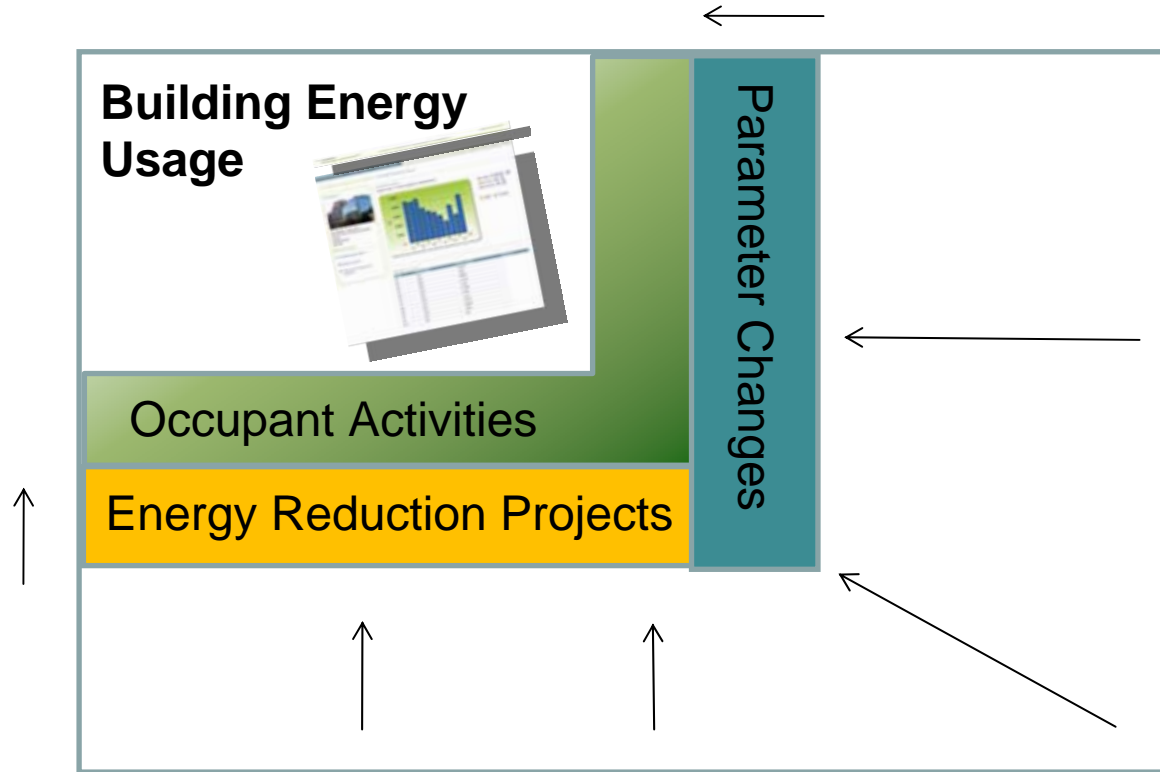


Where to target for reductions



How to reduce your carbon footprint

How to get at the hard to reach savings?

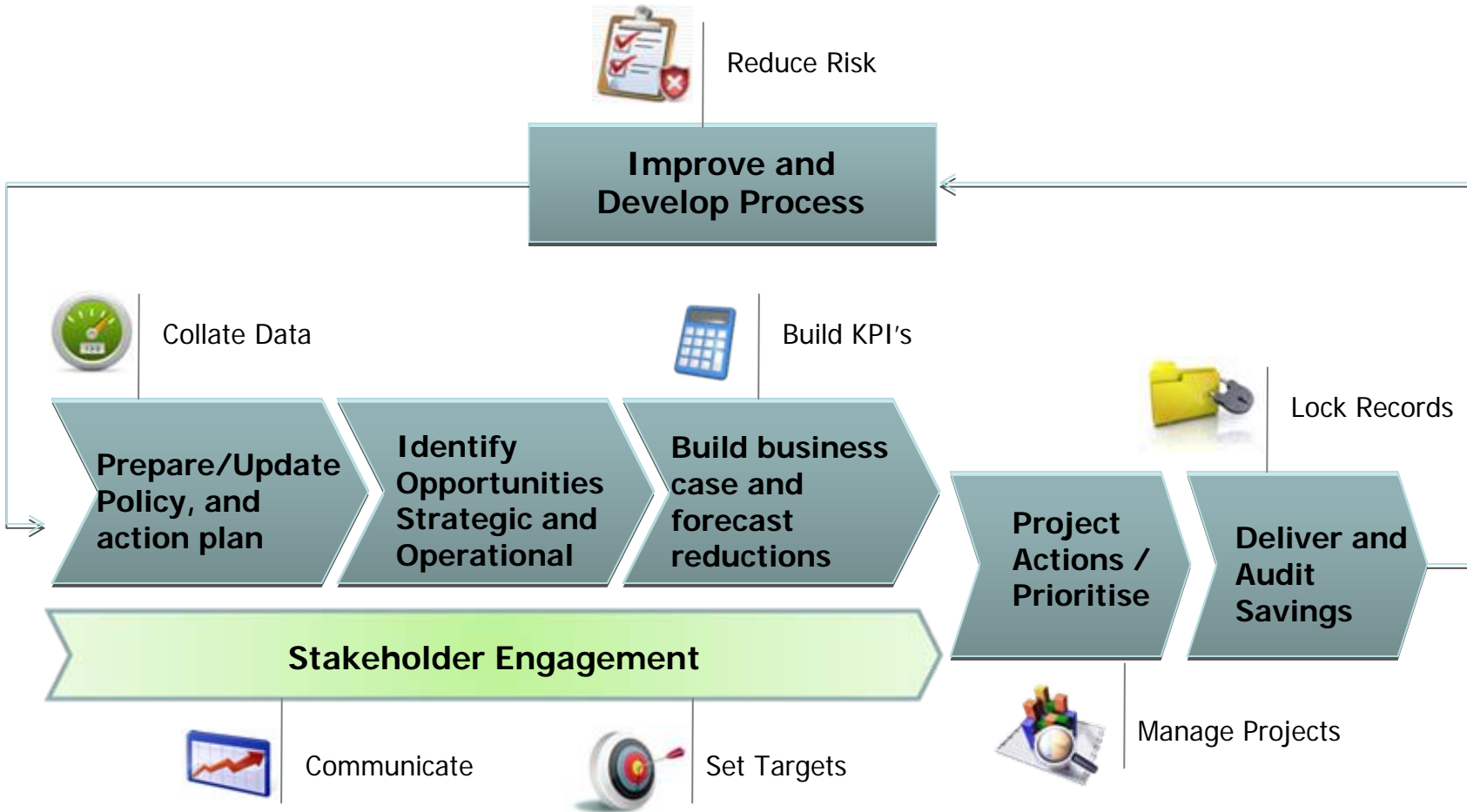


Reaching a 80% reduction target by 2050.?

80% reduction in 25 years has been achieved in some areas!

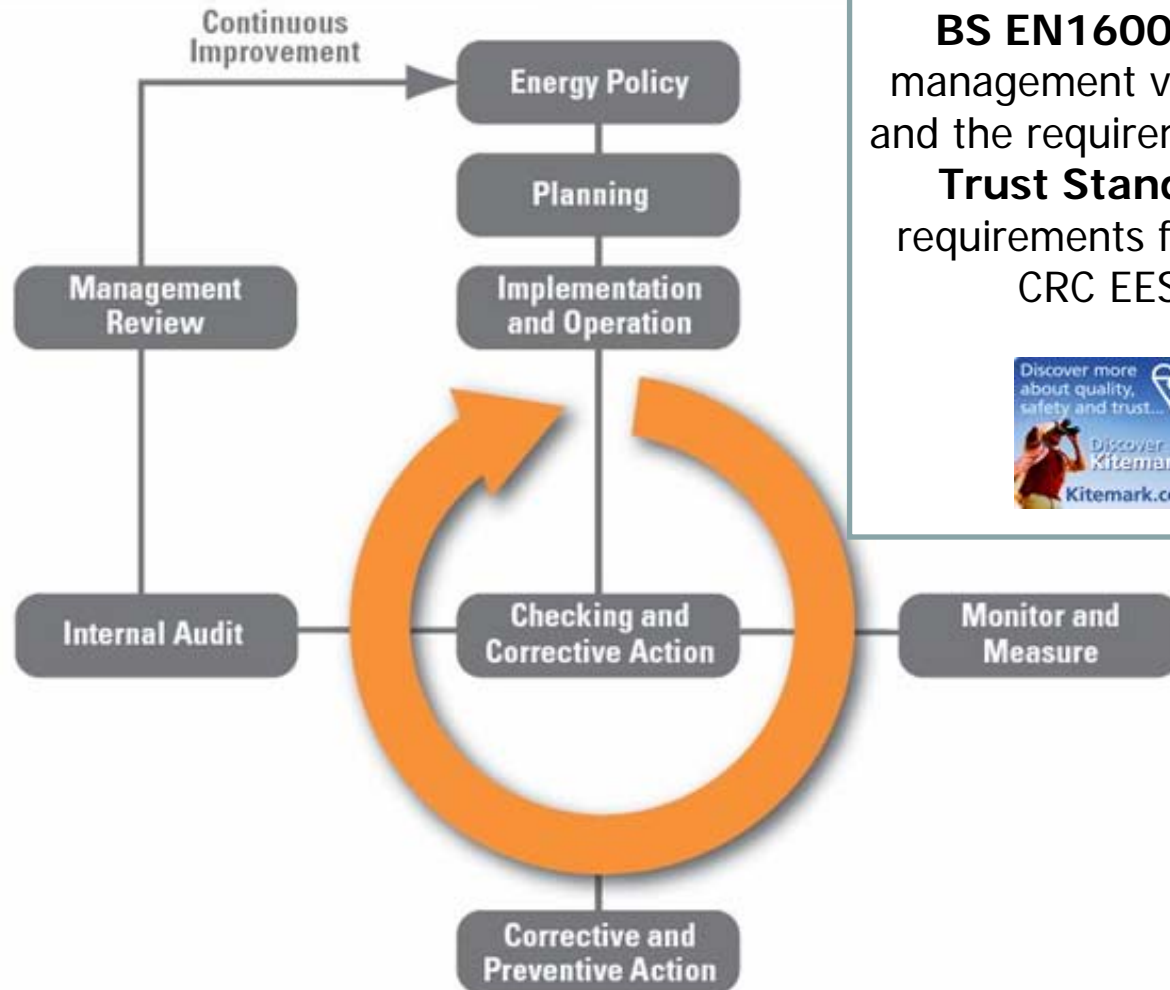


Adopting a Continuous Improvement Process



Continual Improvement process

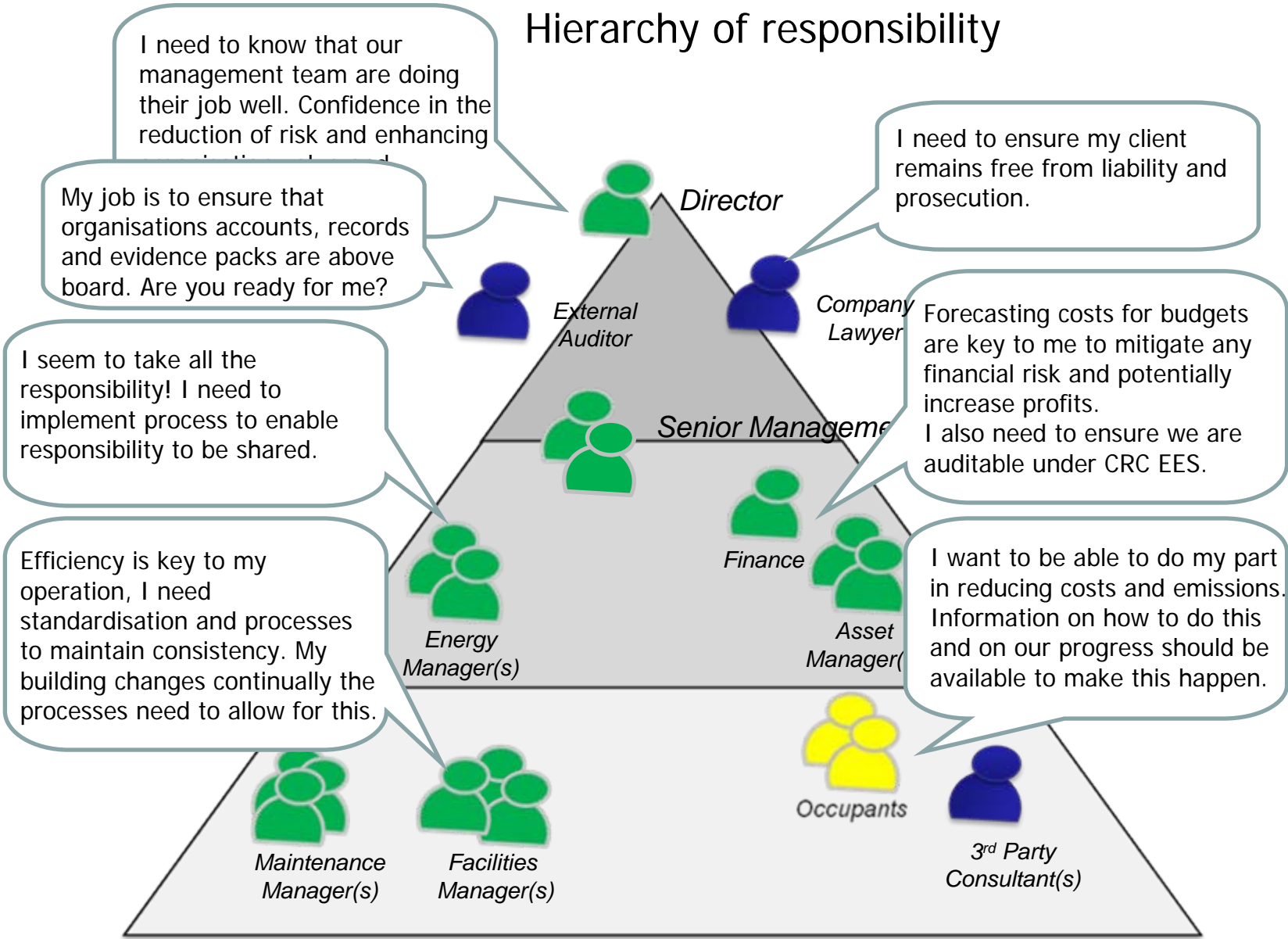
Early Action Continual Improvement Standards



BS EN16001 and the energy management verification kite mark and the requirements of the **Carbon Trust Standard** have similar requirements for improvement for CRC EES Early Action



Hierarchy of responsibility

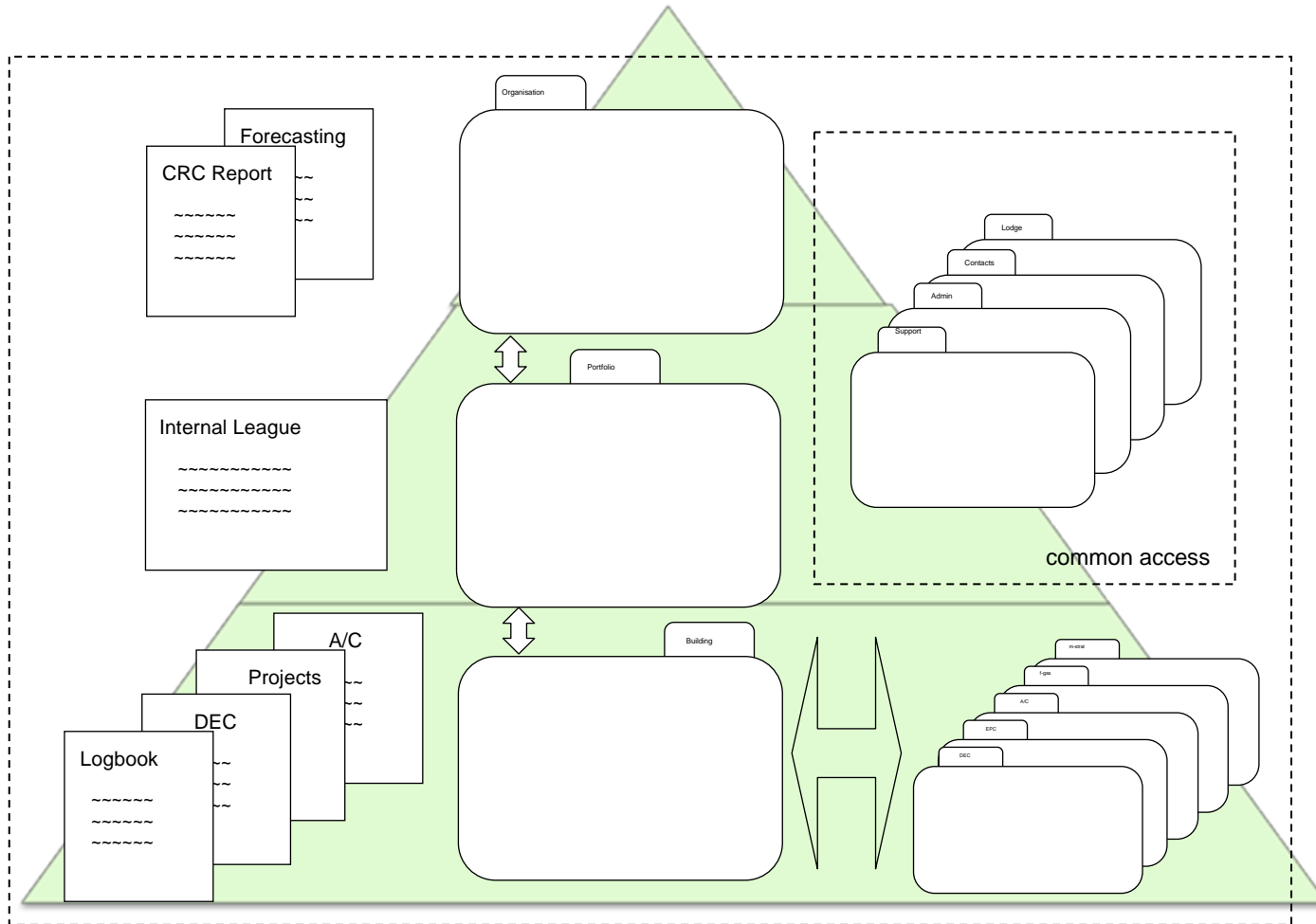


Responsibility under the Carbon Reduction Commitment

“an **associated person** must provide the **responsible person** with all such assistance, including the provision of information or records, as is necessary to enable the responsible person to identify fully, and discharge, the requirement imposed on the combined participants”

OBJECTIVE : CLEAR RESPONSIBILITIES

Matching responsibility with and produce an audit trail



Building up the Evidence Pack for CRC EES

For an **CRCEES** participant having all information in one place ensures that compliance is easily met.

Preparation and collation of evidence pack

Clear responsible parties

Footprint and annual report history

Internal auditor sign off

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Enterprise Dashboard Building Portfolio Document Library

Dashboard / CRC (Energy Efficiency Scheme Compliance Management / Parent

CRC(Energy Efficiency Scheme) | Summary

Organisation Part: Parent
Current Accounting Year: 01/04/2009-31/03/2010

Director Responsibility: Chris West
Primary Contact: Kevin Palmer
Secondary Contact(s): Paul Clarke
Secondary Contact(s): Richard Hopkins
Account Representative: Richard Hopkins
Account Representative: Not Selected

Reporting History

Footprint Reports

Phase	From	To	Total Footprint (tCO2e)	Change (%)	CO2e
Phase One	01/04/2008	31/03/2009	10,130	nd	100%

Annual Reports

Phase One - Year One	From	To	Total tCO2e	Change (%)	CO2e
Phase One - Year One	01/04/2008	31/03/2009	10,130	nd	100%
Phase One - Year Two	01/04/2007	31/03/2008	10,960	-8%	100%
Phase One - Year Three	01/04/2006	31/03/2007	12,900	-8%	100%

CRC (Energy Efficiency Scheme) Reporting

Option	Created	Disposed Off	Owner	CO2e
Organisation Structure	No	No	Paul Clarke	100%
Data Records	No	No	Richard Hopkins	100%
Space E-mis	No	No	Richard Hopkins	100% 500
Early Action Items	No	No	Chris West	100%
Growth Metrics	No	No	Kevin Palmer	100%
Exemptions and Credits	No	No	Chris West	100% 500

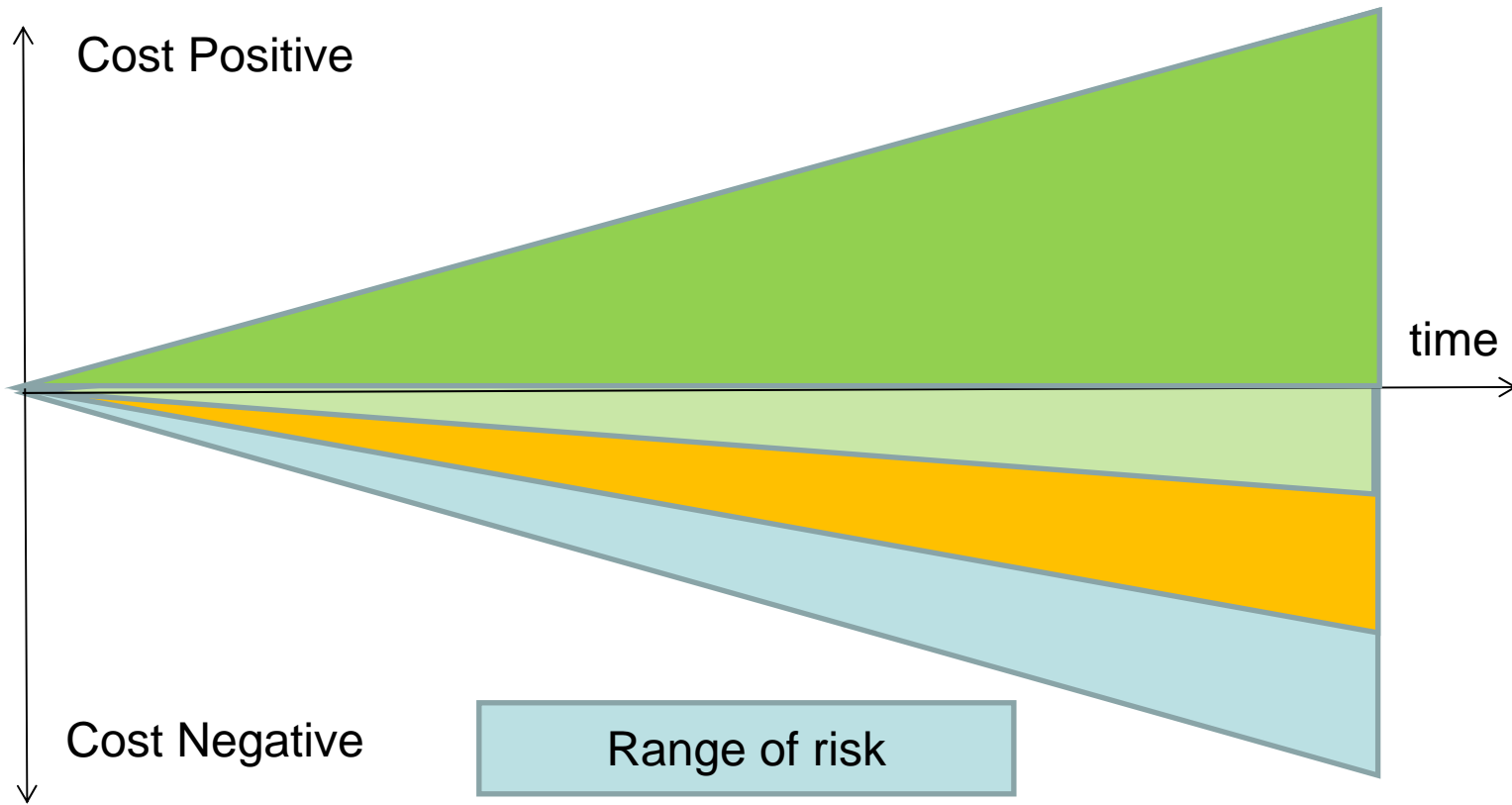
Evidence Pack | Director Sign Off
Evidence Pack created ready for sign off: Not available

I certify that the evidence pack for the accounting year of April 2009 to March 2010 reflected in the appropriate evidence pack contain information that is correct and true.

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Sign Off

Risk Management



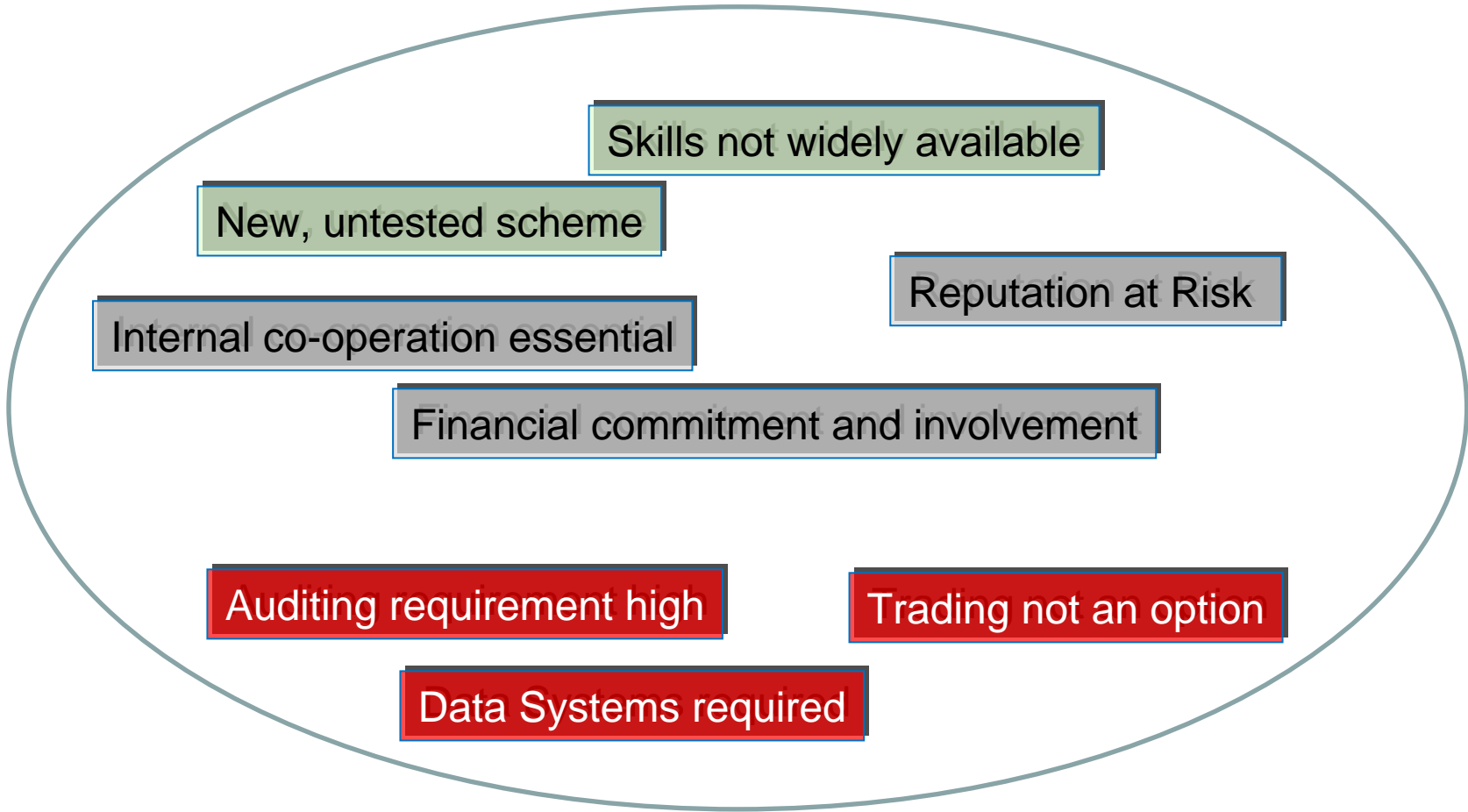
Range of risk

Reasonable risk range

Reduced risk

No risk only opportunity

Why is CRC EES such a risk?



Count and Control – Some Closing Thoughts

- Its not only CRC participants that need to be taking action
- Critical Success Factors *Include*
 - Procedures and Standardisation
 - Data and Information Management
 - Openness – in communication and systems
 - Clear and shared responsibilities
 - Verification and Auditing

Counting needed to facilitate **control**, which is essential for continual improvement.



Thank you for listening

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