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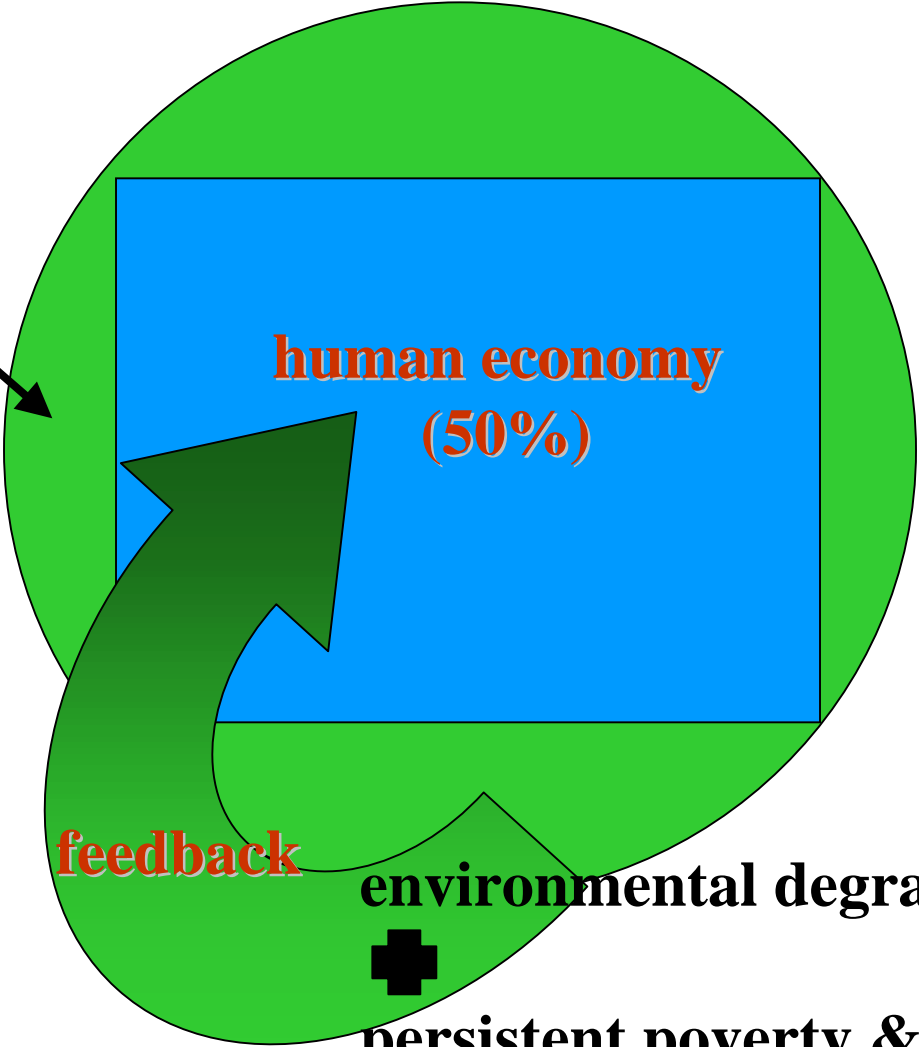
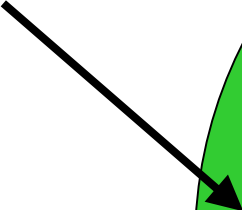
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Unsustainable development



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nature



human economy
(50%)

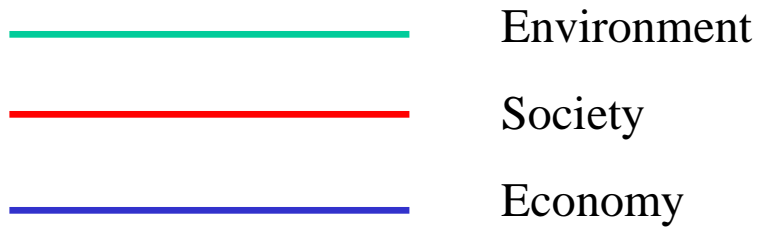
feedback

environmental degradation

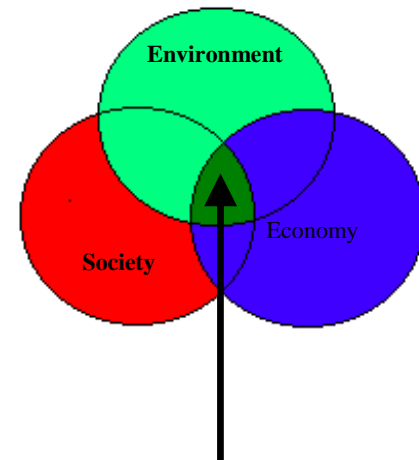


persistent poverty & inequality

Understanding sustainability



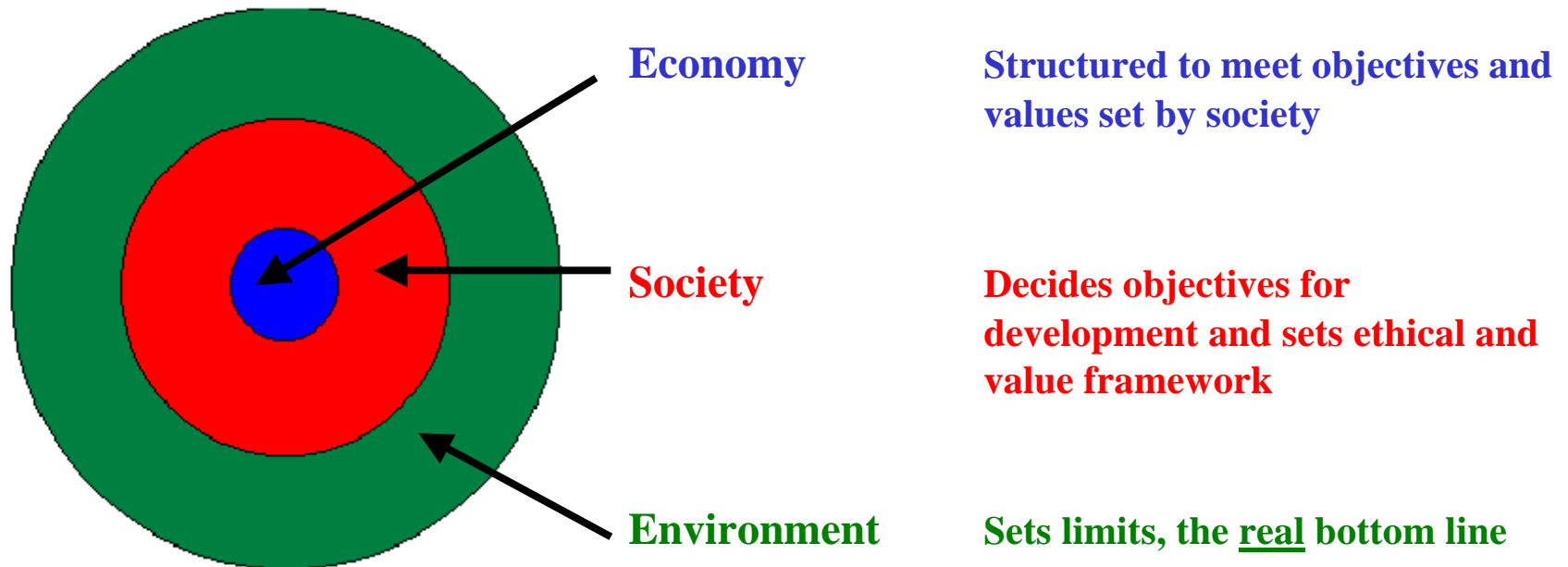
Triple bottom line



Sustainable Development

Sustainability Venn Diagram

Understanding sustainability: the real bottom line



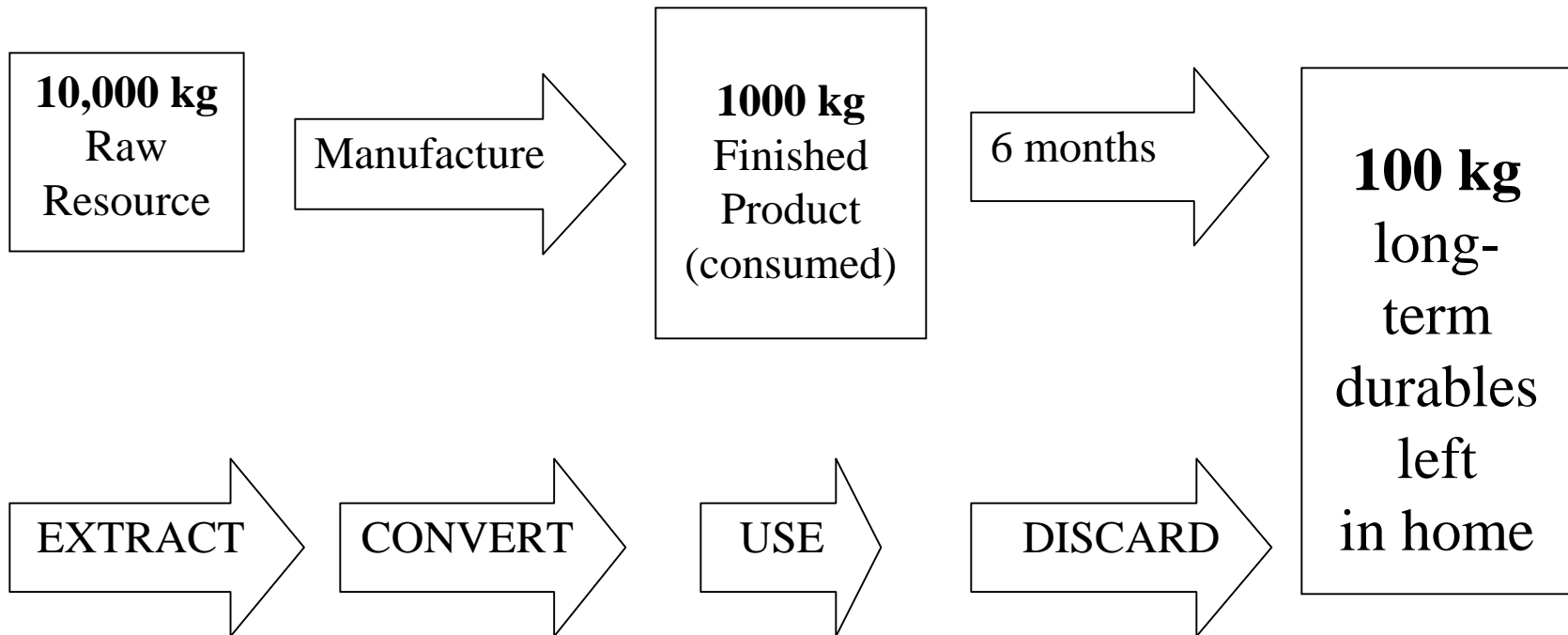
The UK Government definition of sustainable development

Sustainable development means meeting four objectives **at the same time**, in the UK and in the world as a whole, now and in the future:

- Social progress which recognises the needs of everyone
- Effective protection of the environment
- Prudent use of natural resources
- Maintenance of high and stable levels of economic growth and employment”

*A Better Quality of Life: a strategy for sustainable development for the UK,
DETR, May1999, CM4345, The Stationery Office, London*

Factor 10



Engineer of the 21st Century

THE CHANGE CHALLENGES



- 1. To make choosing sustainability option easier and cheaper for clients and contractors**
- 2. To build the capacity of teachers and trainers to integrate sustainability into courses**
- 3. To make specifying for sustainability criteria in materials and processes an effective tool for change**
- 4. To embed sustainability thinking and practices into the culture of the organisations and across different professional groupings**

THE ENGINEER OF THE 21ST CENTURY



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Thank you for listening



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