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Sustainable Development

#### **Original Citation**

Stockton, Glynn, O'Connor, Frank and O'Rafferty, Simon (2010) Sustainable Development. In: IP2010: Green products through a multicoloured approach, 08.02.10 - 20.02.10, Hogeschool West-Vlaanderen, Kortrijk, Belgium. (Unpublished)

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what is sustainable development?



Anyone that needs what they want And doesn't want what they need I want nothing to do with Gnarls Barclay "Going On"

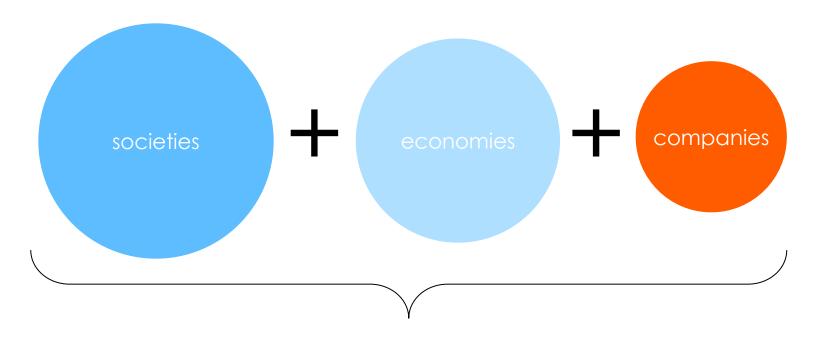


Development which meets the **needs of the present** without compromising the ability of **future generations** to meet their own needs

Brundtland Report, 1987



### it is about developing



that can be sustained on social, economic and environmental terms



sustainable development is about

## social progress

which recognises the needs of everyone



sustainable development is about

## environmental

protection being at the centre of everything we do



sustainable development is about ensuring

## employment

and economic security for everyone



sustainable development is about the

## prudent use

of the earth's natural resources



dissecting garbage

# WHY IS SUSTAINABLE DEVELOPMENT IMPORTANT?



# reason no.1 we live in an unequal world





# over 1 billion people live on less than \$1 a day



source: UNDP

## over 1 billion people do not have access to clean drinking water



# 80% of all disease in developing countries is caused by consumption of contaminated water



source: WHO

# currently over 10 million children die each year before their fifth birthday



# reason no.2 the ecological systems of the world are under stress



over the past two decades global resource extraction grew from 40 billion tons in 1980 to 55 billion tons in 2002



### air pollution kills 3 million people each year, mostly in poor countries



source: WHO / BBC

25% of mammal species, 12% of bird species and 34% of fish species are under threat of extinction



between 100 and 1000 species become extinct each year, because their habitats are changing or being destroyed.



## what about the UK?







"If everyone in the world were to consume natural resources and generate carbon dioxide (CO2) at the rate we do in the UK, we'd need three planets to support us"

WWF UK



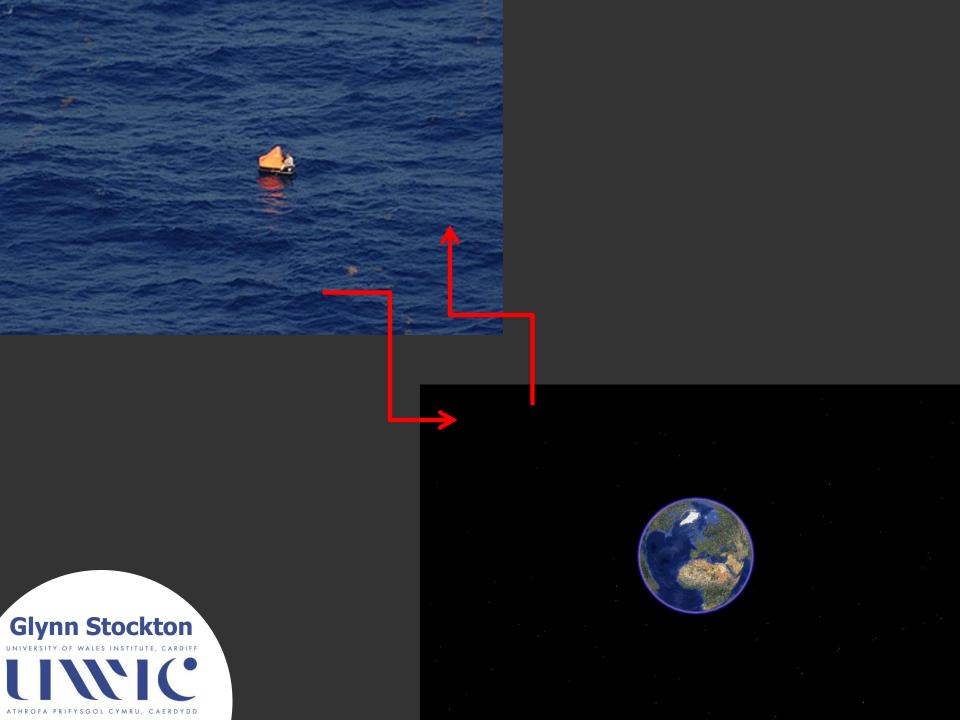
The ecological footprint of Cardiff, is 125 times the city's area.



source: UNEP









# we become more sustainable when we balance environmental, social and economic concerns





### videos

sustainability & business



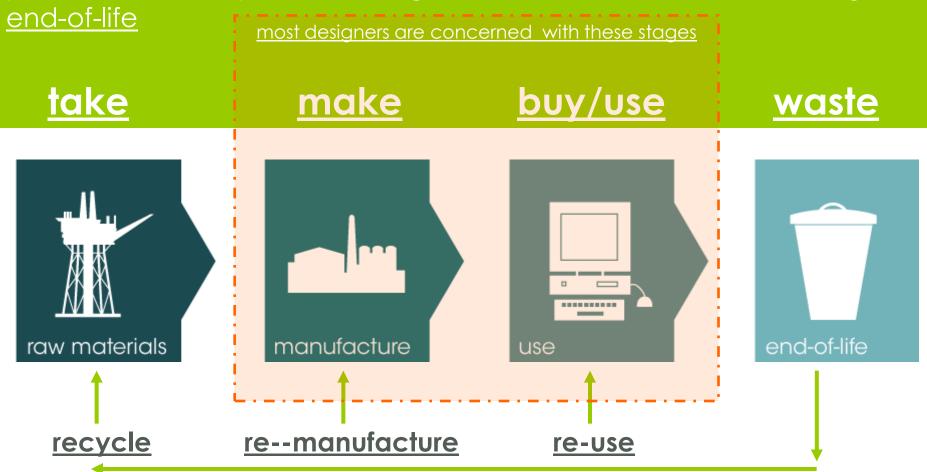
**Ray Anderson** talks about sustainability & business – 9.45



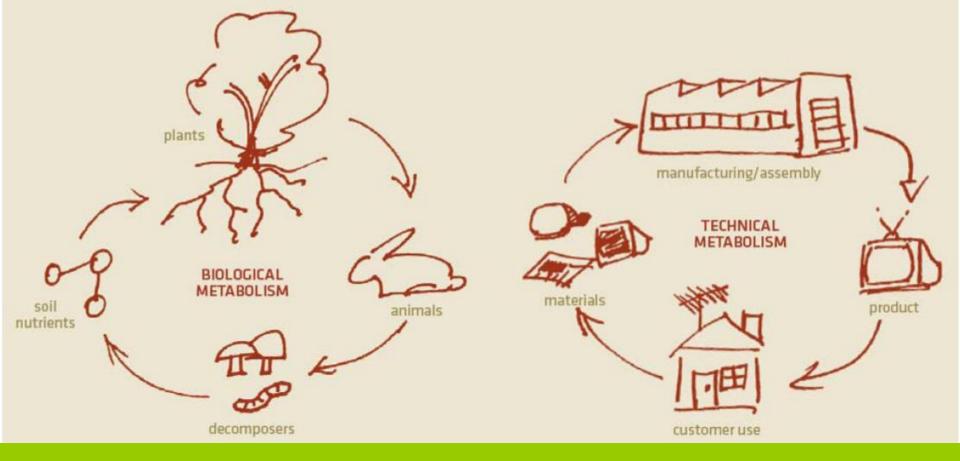




life cycle thinking expands the traditional focus on manufacturing processes to incorporate all stages from material extraction through to







life cycle thinking is understanding where the impacts happen over a product life cycle with a view to reducing those impacts



what about global supply chains?



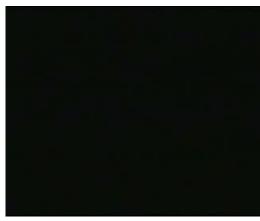


### "Sonicare Elite 7000"

produced at 11 locations and in five time zones, comprised of 38 components, parts supplied by Japan, France, China and Malaysia, materials and production in Austria, Sweden, assembly in Philippines and United States, when fully assembled and packaged in Seattle the components have travelled a full 27,880 kilometres, two thirds of the Earth's circumference.

### <u>videos</u>

Life cycle thinking



Royksopp
Remind Me video
4.15



### you



### x 7 billion







## **Question** everything









# Be responsible for your actions







Be sustainable in everything you do



If you do, we will be fine ©

