



ICT & the Environment

Hand in Hand

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Overview

- ICT & the Environment: separate entities
- ICT & the Environment: the relationship
- ICT benefitting the environment
- Negative impacts on the environment
- How we can play our part
- Conclusion

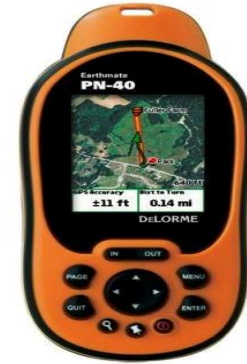
ICT



Traffic Lights



Laptops



GPS Devices



iPad



Cell phones
iPods

Environment



Air



Soil



Water



Flora

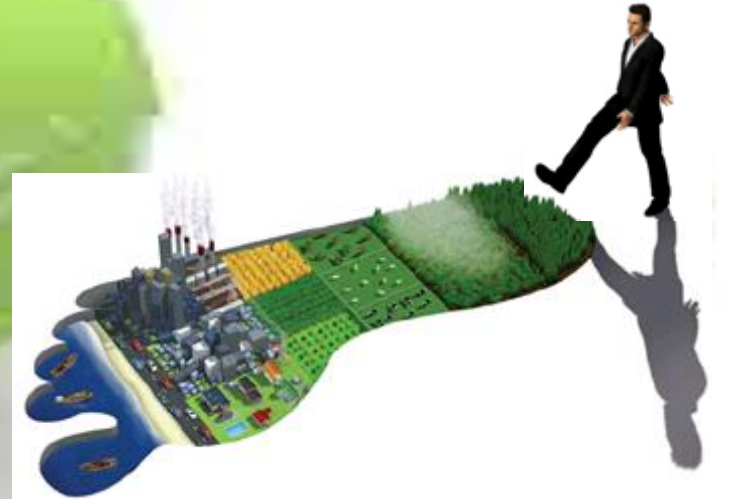


Fauna

Environmental Footprint

The amount of Carbon Dioxide an individual or household produces through:

- vehicle emissions;
- electricity use;
- fuel consumption



ICT & the Environment

- Environmental observation
- Environmental analysis
- Environmental planning
- Environmental management and protection
- Impact and mitigating effects of ICT utilization
- Environmental capacity building





Collecting environmental information

Processing and analyzing environmental information

Creating new economic systems that foster recycling

Reducing environmental impact

Providing environmental education and enlightenment

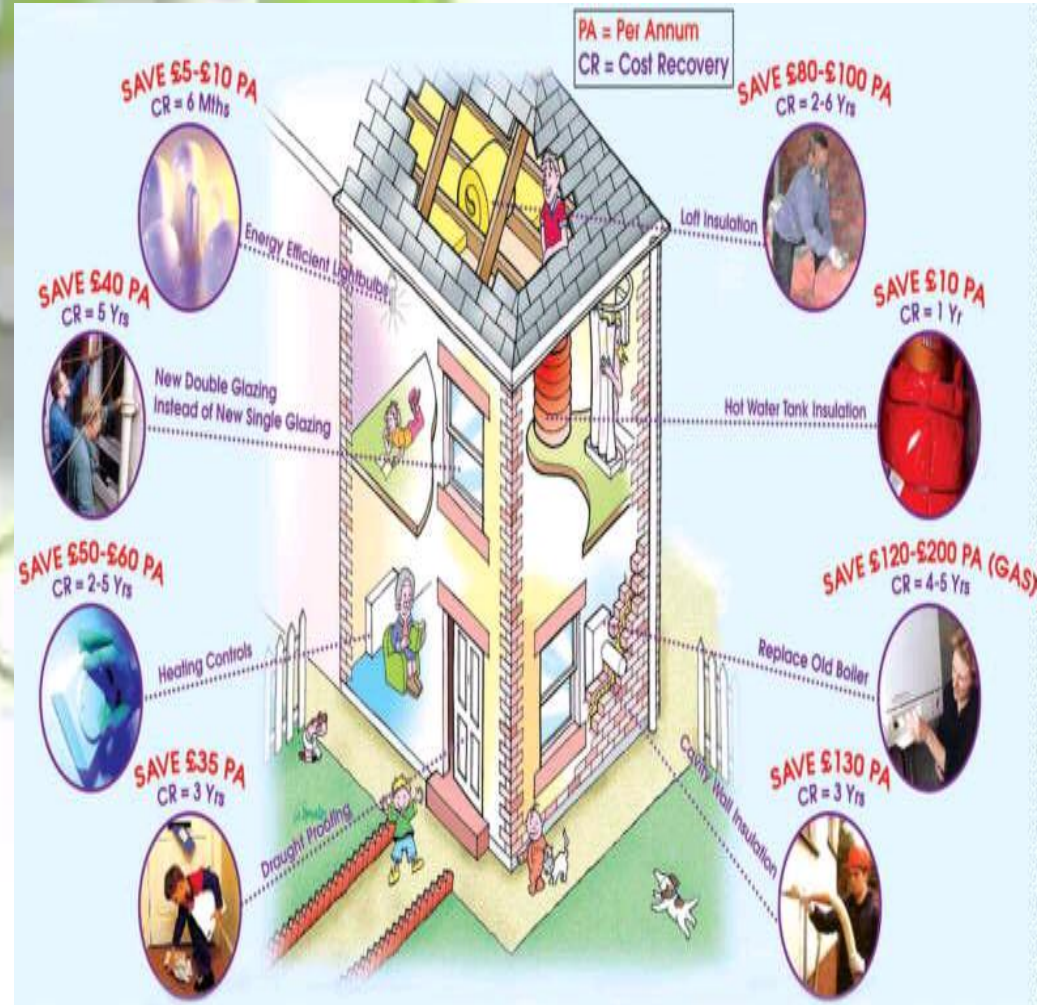
ICT Benefitting the Environment

- Online services
- E-commerce and online shopping
- E-mail and instant communication
- Tele-work and e-work
- Webcasts, teleconferencing and video-conferencing.



Other Applications

- Climate change mitigation
- Energy consumption in buildings
- Transport



E-waste

- Fastest growing stream of waste
- Rapid increase in production of electronic devices
- Fast rotation of devices; shorter life span
- No proper means of disposal
- Chemicals contaminate ground through seepage



E-waste



How We Can Play Our Part

- Avoid printing
- Send e-mails
- Take advantage of online services
- Reuse electronics when possible
- DO RESEARCH
- Encourage others



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Conclusion

Environment relates to the profound relationship between matter, nature, and society, and in such a context ICTs bring new ways of living in a more interconnected society, all of which reduces our dependency on matter and affects our relationships with nature

- Hargroves and Smith



THANK YOU

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