



# Green Industry

**UNIDO's Green Industry Concept**  
**February 2011**



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[www.unido.org](http://www.unido.org)

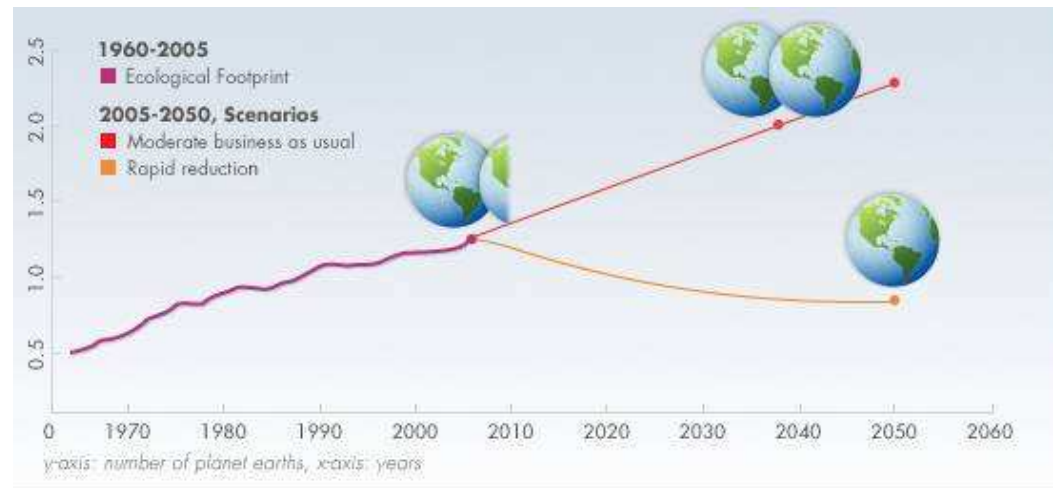


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# World Ecological Footprint relative to bio-capacity

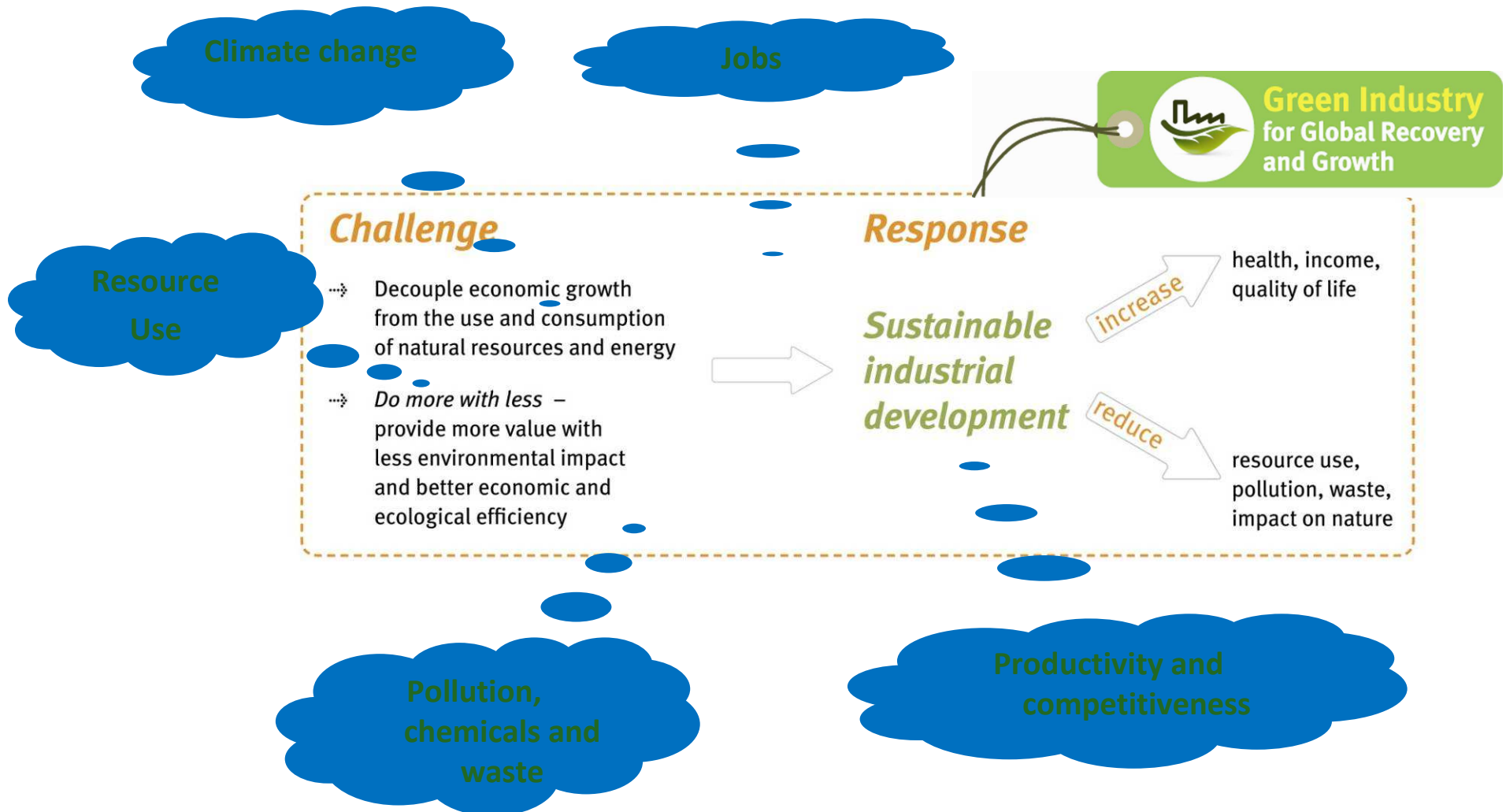


- 1960: global footprint was 50 per cent of the global supply of bio-productive land
- Doubling of global footprint in 27 years
- Since 1987 in overshoot, currently 40%

Source: [www.footprintnetwork.org](http://www.footprintnetwork.org) accessed 9 May 2010



# Response





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# Green Industry

## ■ *Greening of Industry*

- Any industry that commits itself to reduce the environmental impacts of its processes and products, and is actually doing so on a continuous basis
  - Resource Efficient and Cleaner Production
  - Industrial Energy Efficiency and Energy Management Systems
  - Safe and Responsible Management of Chemicals
  - Water Efficiency and Pollution Prevention





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# Green Industry

- *Green Industries*
  - Industries that have as their core business the provision of environmental goods and services
    - Waste management, recycling and resource recovery
    - Manufacturers of renewable and energy-efficient technologies and equipment
    - Providers of environmental advisory, analytical, monitoring and other services
      - Including providers of cleaner production services
    - Manufacturers of clean and/or pollution control technologies and equipments



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# Business Opportunity

- Greening of existing industries
  - Increased production efficiency and enhanced competitiveness
  - Staying ahead of more stringent buyer standards
  - Being prepared for information and reporting, e.g. C - footprinting
- New green industries
  - Globally cleantech is one of the fastest growing sectors
    - Improve environmental quality and create jobs through industrial application of clean technologies locally
    - Spin-off potential for export of indigenous clean technology
  - *Some praiseworthy examples exist also in Thailand, with an urgent need to expand, scale-up and mainstream*



A greener footprint  
for industry

Opportunities and challenges  
of sustainable industrial  
development



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# UNIDO Green Industry Focus Areas

- Remove gaps in normative framework
  - Beyond environmental legislation
    - Development strategy for environmental goods and services sector
    - Removal of perverse subsidies and other financial disincentives
    - Science and technology framework for green innovation
    - Policies and strategies for resource efficiency
- Remove gaps in enterprise support systems
  - Information and awareness
  - Technical and commercial skills to set up specialised green industries
  - Support institutions: accreditation, innovation etc.
- Remove gaps in industries' knowledge and skills sets
  - Capacity building and training, assessment services, etc, building on past experience including NCPCs



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## Joint UNIDO-UNEP Programme on Resource Efficient and Cleaner Production (RECP)



**Resource Efficient and Cleaner Production (RECP) is the continuous application of an integrated preventive environmental strategy to processes, products and services to increase efficiency and reduce risks to humans and environment**

**It specifically works to advance:**

- *Production efficiency*
- *Environmental conservation*
- *Human development*

**The UNIDO-UNEP RECP Programme builds upon the capacities of 47 National Cleaner Production Centers and Programmes established worldwide**



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## Regional Projects involving multiple countries currently being developed

- **Africa:** zero waste, sustainable integrated municipal waste, sound chemicals management
- **Latin America:** low carbon and climate resilient production and Resource Efficient and Cleaner Production (RECP) in the accommodation and associated sectors
- **Europe and Central Asia:** low carbon and climate resilient production and Resource Efficient and Cleaner Production (RECP) in the accommodation and associated Sectors
- **Asia and the Pacific:** Eco-industrial parks/technology transfer and sustainable water management in industries



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Thank you for your attention!

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