



# **Sustainable Consumption and Production Action Plan**

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# EU Sustainable Development Strategy: Key Challenges

- **Climate Change**
- **Natural Resources**
- **Public Health, Social Inclusion...**
- **Sustainable Consumption and Production:**  
**economic growth <-> environmental degradation**

# Climate change

- Greenhouse gas emissions from 2.5 to 3-fold increase by 2050
- Reduction need more than 50%

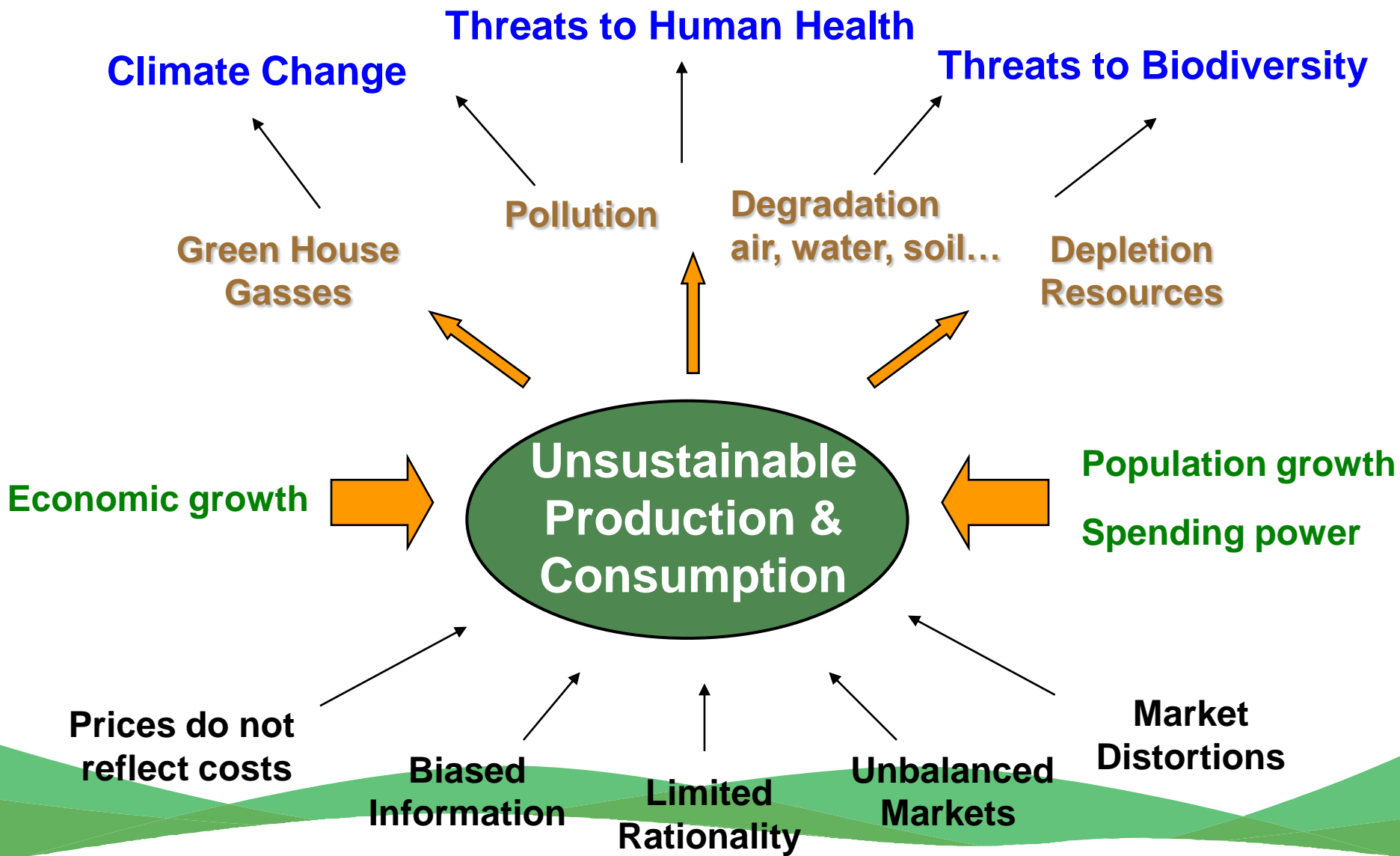


# Biodiversity and natural resources

- Natural resources extraction up to 5 times by 2050
- Ecological footprint in developed world 2.5 – 5.0 earths
- Extinction of species from 50 to 1000 times faster than natural processes







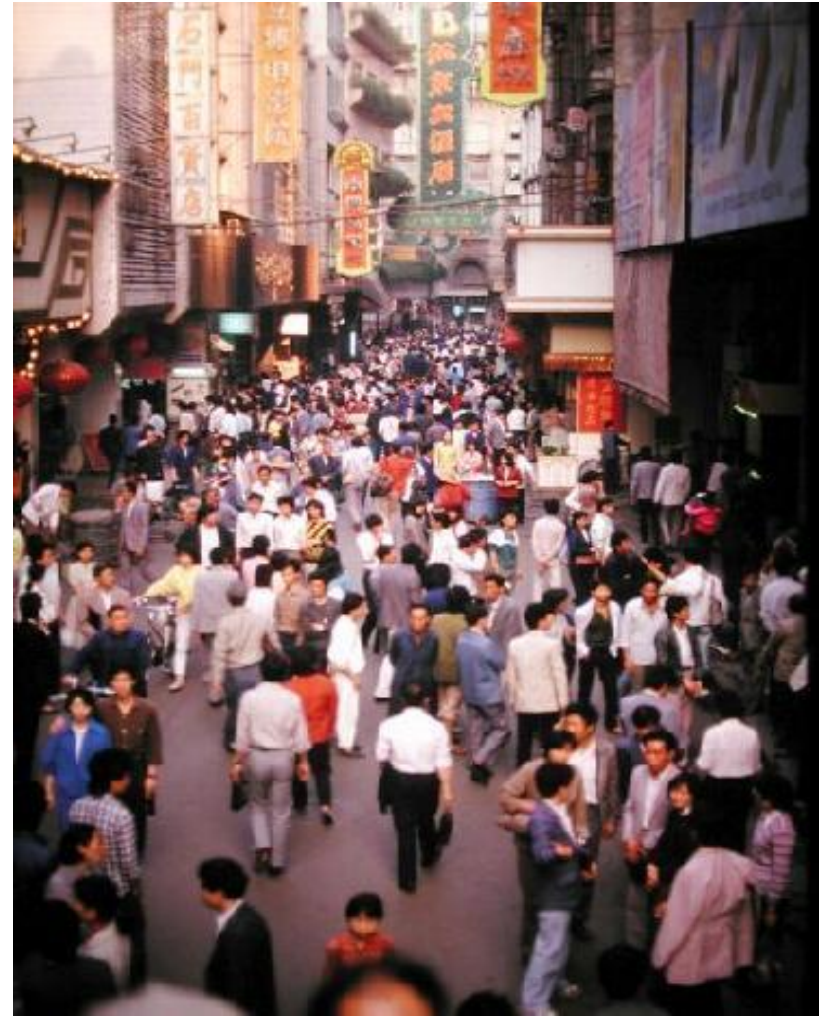
# Consumption and Production

- 70-80% of environmental impacts: transport, food & drink, housing
- Focus on products!



# Consumption

- Evolution of population & living standards  
=> 6 times consumption by 2050
- Unsustainable lifestyles  
<=> need 50% less CO<sub>2</sub>



# The Challenge

- **Towards an energy and resource efficient economy**
- **Reduce environmental stress in growing economy**
- **Transform environmental challenges into economic opportunities**



# The Response

- **Improve continuously the environmental performance of products across their life-cycle**
- **Promote and stimulate the demand of better products and production technologies**
- **Help consumers make better choices**

# Better Products



- **Eco-design:** Continuous improvement
  - ➔ Minimum requirements
  - ➔ Environmental performance benchmarks
  - ➔ Mandatory eco-design labels
- **Eco-label:** Complement to Eco-design
  - ➔ Voluntary “Front runner”
  - ➔ Feed into eco-design



# Leaner Production

## ■ Resource Efficiency and Eco-innovation

- Better and clearer benchmarking
- Targets
- Improve cost-effectiveness; reduce env. impacts

## ■ Environmental Technology Verification

- Reinforce confidence for new technologies

## ■ Revised EMAS

- Increase participation, reduce burdens, SMEs

## ■ SME Programme for mainstreaming environment

# Eco-innovations



Eco-refurbishment



Cut heating & cooling costs  
**80%**



# Eco-innovations

## Wind



## Solar



# Plant–Water Purification/ Leisure/Biodiversity...



# Other examples...

## Household wind turbine:

- up to 30% electricity saving



## Record:

- 3836km per litre





# Smarter Consumption

## ■ Incentives

- Eco-design performance benchmarks to link to incentive levels
- Various other mechanisms (VAT)

## ■ Green Public Procurement

- Mandatory: Ecodesign benchmarks
- Targets and guidance
- Guidance on Tender specifications





# Smarter Consumption

## ■ Working with Retailers

- Commitment on specific actions across supply chains
- Forum to share knowledge and develop benchmarks
- Monitoring progress



# Roadmap



## ■ First Group of actions

- Revised Eco-design Directive
- Revised Eco-label Regulation
- Revised EMAS Regulation
- Communication on Green Public Procurement

## ■ Further actions in 2008 and 2009

- Revised labelling Directives
- Environmental Technology Verification Scheme
- Retailers initiative
- Other actions

**European Commission  
DG Environment**

**Thank you for your  
attention**

[http://ec.europa.eu/environment/eussd/escp\\_en.htm](http://ec.europa.eu/environment/eussd/escp_en.htm)

