



# Can design for sustainability change the world?

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PREPARE Network and  
LNEG

Sustainable Consumption and Production Research Unit  
Portugal

- Informal, independent European network functioning since 1990
- Experts in the field of sustainable consumption and production
- Members come from research institutions, consultancy, governments, industry and international organizations
- 15 countries

- Joint development of new ideas and initiatives
- Exchange of information and dissemination of knowledge and skills
- Cooperation between research, public administration and businesses
- The stimulation of R&D projects on SCP

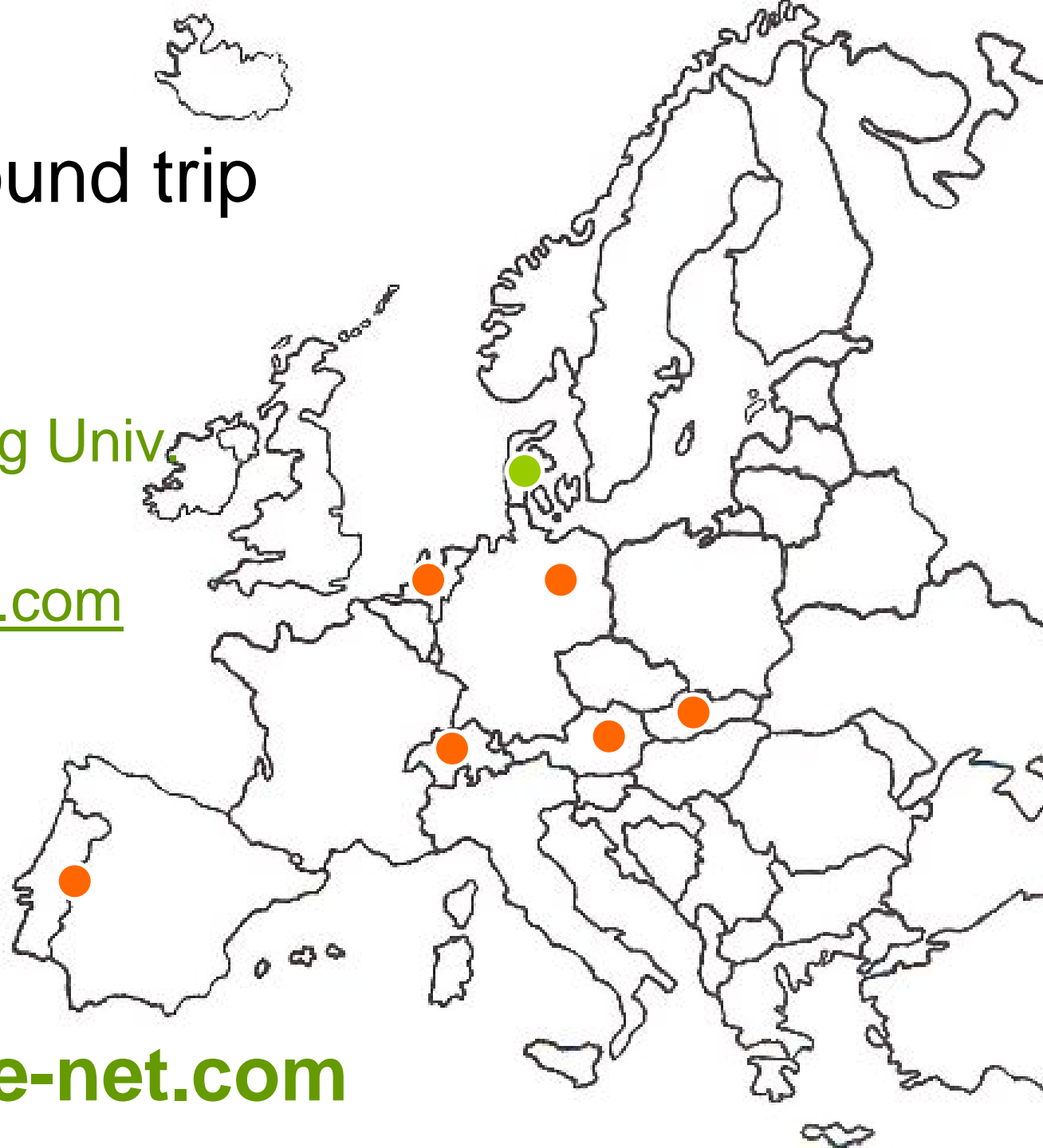
- Network activities — Aim at the expansion of the network
- Research activities — Aim at initiating and supporting innovative research and development on SCP
- Program activities — Promote the implementation of policy and research programs related to sustainable development

- Core Group Meetings + Market Places + Thematic Groups Meetings + Projects Meetings
  - Social responsibility
  - Sustainable buildings
  - Sustainable consumption and production
  - Low carbon technologies and systems
  - Sustainable tourism

# The PREPARE round trip 1990 – 2009

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## Ecodesign and SME's

- Easy to engage different functions in ecodesign
- Analytical tools not enough, idea generation tools are very important
- Existing ecodesign tools appropriate to early stages of product development

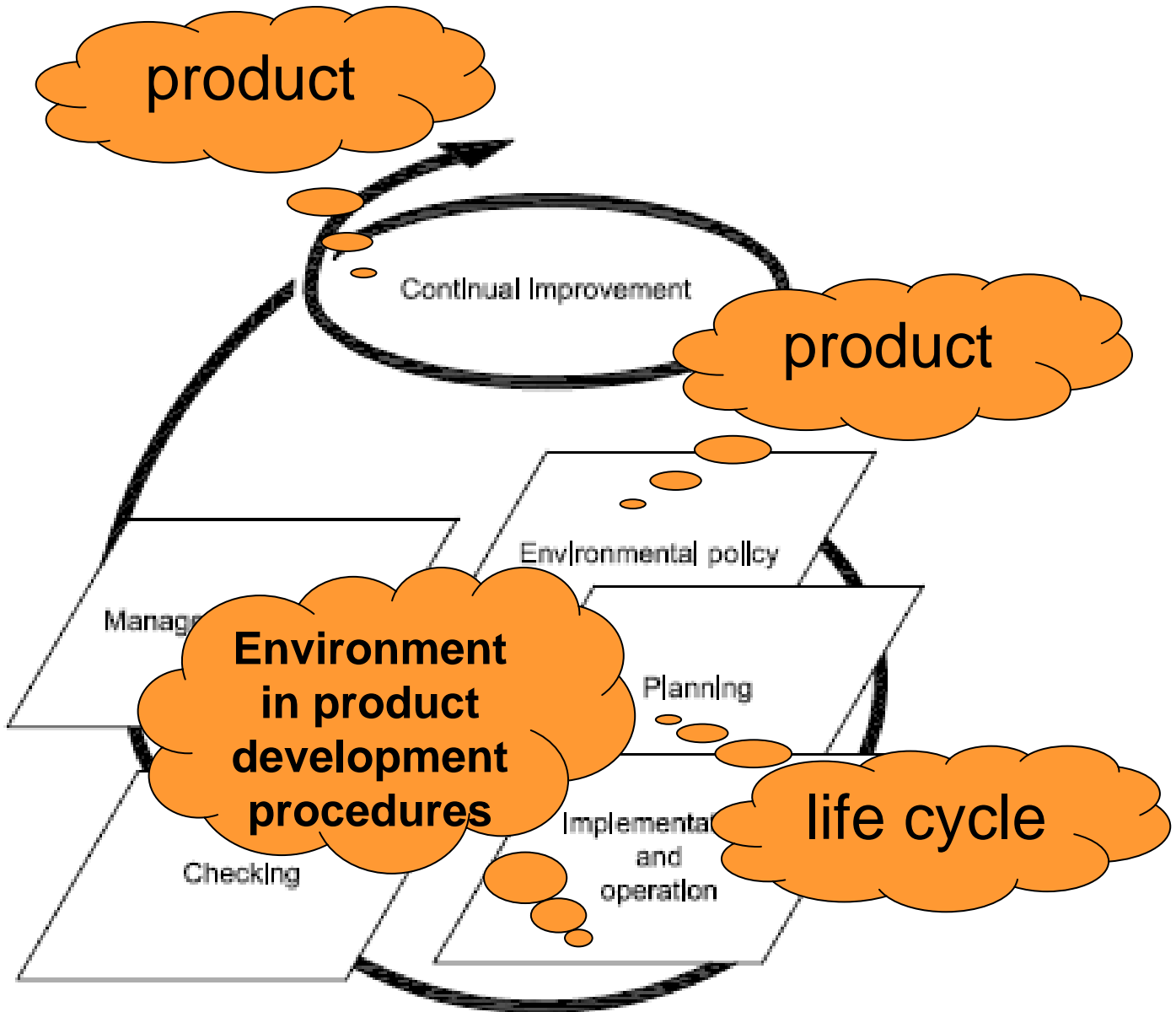
## Ecodesign and SME's

- Need of environmental (social) information on materials and technologies for detailed design
- Need for systematic integration of ecodesign in companies' strategies and practices
- Market pull...

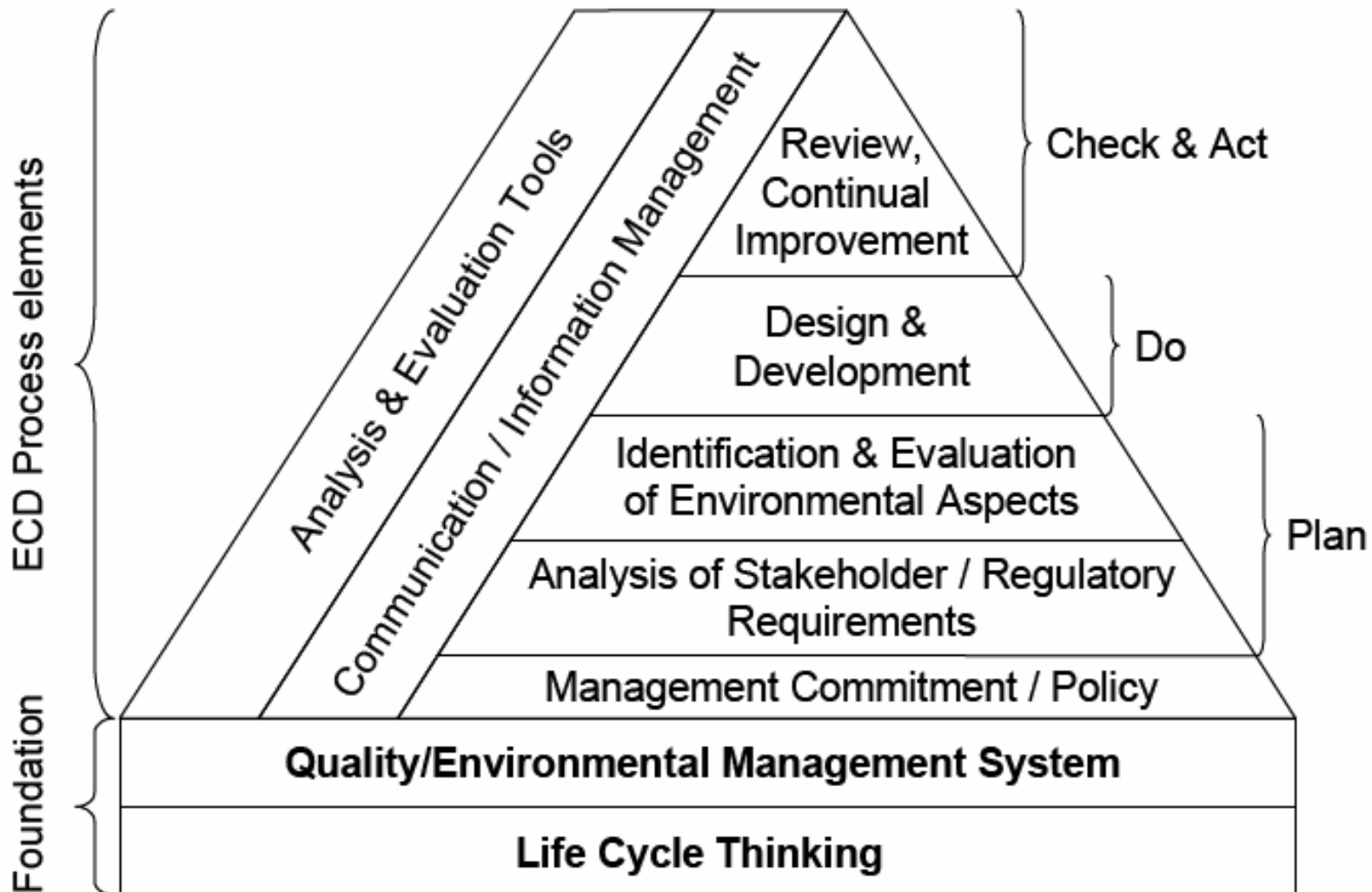


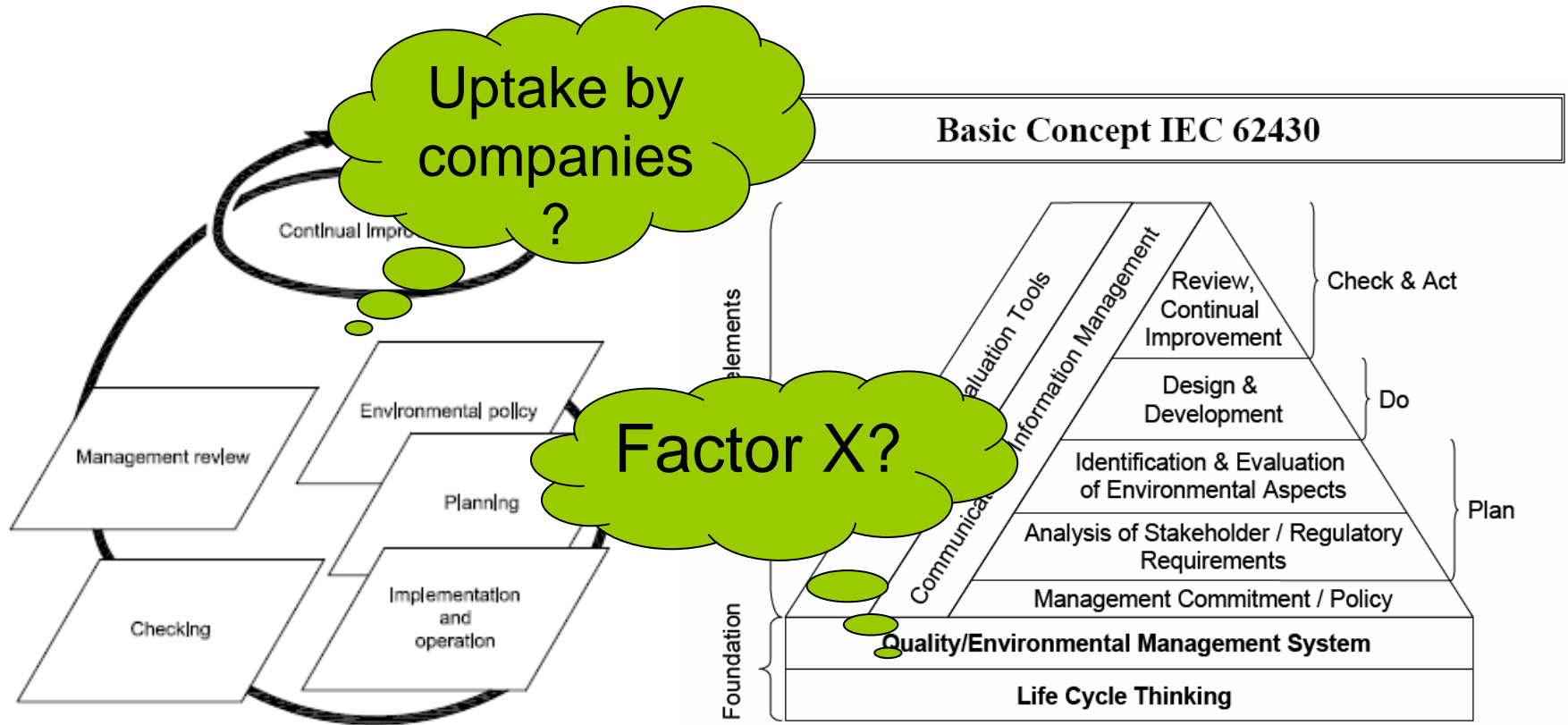
# PO(E)MS

- 1999 – 2000 research work at TU Delft, PMZ programme NL, business management systems such as Philips'
- 2003 UNE 150-301 – Environmental management of design and development process. Design for environment
- 2009? IEC 62430 – Environmentally conscious design of electric and electronic products and systems
- 2011? ISO 14006 – Environmental management systems – Guidelines on ecodesign



# Basic Concept IEC 62430





ISO 14001: 170 000 certifications worldwide (estimation)

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