





EcoDesign and Public Procurement



Conrad Dorer,
German Environment Agency (UBA)

Coordination of the EU-Interreg project "EcoDesign Circle 4.0"









What is design?

"Design is everything. People often think about design in an artistic way, but absolutely everything involves design, from what kinds of houses we live in, to what kind of transport we use and how our food is packaged." Kate Burningham.





HEAD: Problem solvingVisualise and conceptualise the intangible!

HEART: Humanity centredDesign solutions for people and planet

HAND: Practical skills Technical abilities to reach the goal

What is design?

A mindset and skillset.
Critical thinking and
creativity combined.
Much more than
aesthetics.



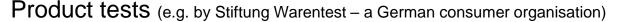


Some instruments of product policy



EU Energy Label

EcoDesign Directive





Labels for the environment

Green public procurement



Ecodesign incentives

Range of products





Some instruments of product policy

Find some examples / links in the next slides how these three areas are tackled by the German Environment Agency



Labels for the environment

Green public procurement



Ecodesign incentives

Range of products



Source:
Own Picture

Read more: https://www.umweltbundesamt.de/en







Blue Angel – German Ecolabel









What does green public procurement mean?

Each year, German contracting authorities purchase around €300 billion worth of products ranging from pencils to city buses. This massive purchasing power can potentially be used to reduce environmental pollution, improve environmental product and service range, and promote more targeted market launches of innovative eco-friendly products.

Green procurement Incorporating green procurement into your organizational practice Recommendations for your tender Life cycle costing Environmental aspects in contract award procedures Research projects

Bibliography and links

Source:





Outstanding design, ecologically compatible and future-oriented

The German Federal Ecodesign Award is Germany's highest state award for ecological design.







Get inspired by an database with all nominated and awarded projects since 2012

Since 2012, granted annually by the German Federal Ministry for the Environment, the German Environment Agency in cooperation with the International Design Center Berlin

The criteria matrix serves as a basis for the evaluation and provides orientation for candidates

Four categories: Products, Services,

Products, Services, Concepts & Young talent



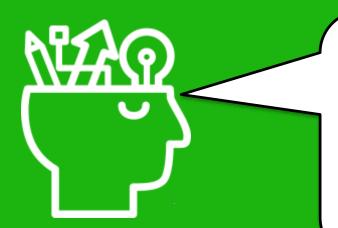
german federal award

ecodesign





EcoDesign Circle (4.0) project



The German Federal EcoDesign Award brought professionals specialised in "environmental issues" and in "design questions" together to learn from one another. EcoDesign Circle expanded this idea to the Baltic Sea region and initiated an "eco"network between design centres and "environmental actors".



Source:

Picture: © Gdynia Design Days 2017 | Bogna Kociumbas, Michał Szymończyk

Link to inspiring ecodesign solutions:

rECOnsider design exhibition



Picture: © Gdynia Design Days 2017 | Bogna Kociumbas, Michał Szymończyk

rECOnsider design exhibition



Source:

Picture: © PSTP Gdynia| Design Centre, P. Jóźwiak

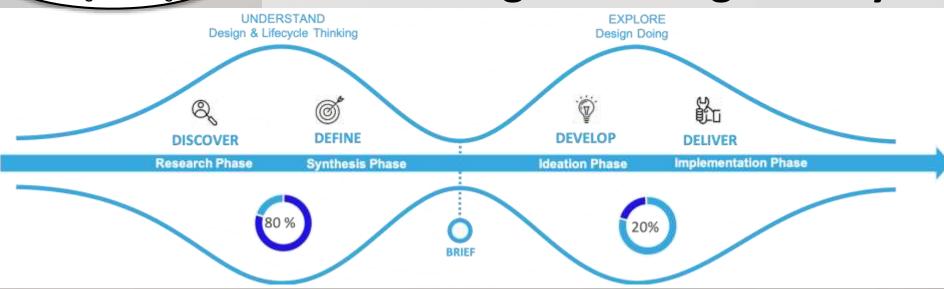






Circular design process based on design thinking

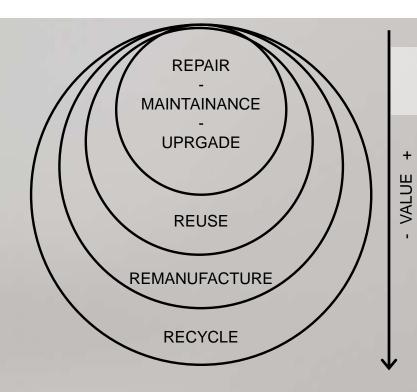
EcoDesign Learning Factory



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Circular economy is all about retaining value

Circular Economy: 4 loops

- LIFE CYCLE THINKING
- 3 KEY PRINCIPLES
- 1. no waste
- 2. value is maintained
- 3. consider economic framework conditions



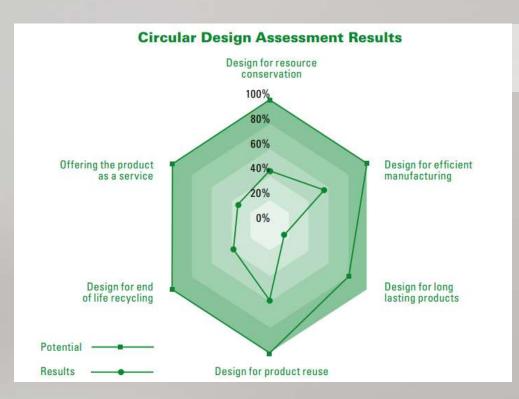
Source:

Picture: © Estonian Design Centre









EcoDesign Audit





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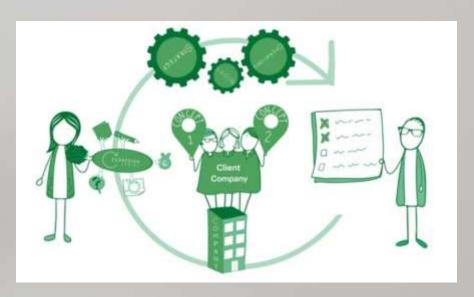
Picture: © Medina Art Ltd.| Elena Gontarenko







EcoDesign Sprint





Enjoy this short explanation video

Source:

Picture: © Raquel Benmergui







inspiration and knowledge of how to use design to achieve a sustainable and circular business as well as social development.

Sustainability Guide

Including 21 "ecodesign in practice" videos

Sustainability



Principles and strategies for durable design

Ecodesign



Methods



Support



Assessment methods, business models and tools

Cases, training and sustainability experts

Source:

Sustainability Guide

What is sustainable

development?











Design = power in several dimensions

Design = force that enable sustainable societies Understand the importance design could take

Not only

products, also services ... systems / infrastructure

Making business climate/carbon-neutral

Design triggers mindshifts and changes

Integrate and inform citizens better about sustainable behaviour; create "new norms"

Reflections about ecodesign and linkages to policy

Check real user needs

e.g. people do not need cars but transport ...

Use the chance of the Corona crises not to reimplement old linear business models
Use windows

of opportunity

Design is core element in the new Circular Economy Action Plan

We need faster decision making & iterative processes to implement sustainable solutions

SustaiNordic is one case where policy and (eco)design are intereconnected

Good practice cases -> share them!

Transfer & learning

Make use of (transnational) cooperations, networks

Source:







Some sources of ecodesign inspiration















EcoDesign and Public Procurement

We need a mix of policy instruments



Public procurement as a means to spread ecodesigned solutions and replace less sustainable ones

Use design tools to develop circular solutions in an interdisciplinary team ("ecodesign thinking")

Get inspired by an increasing number of existing convincing solutions



of "Public Processes as part of "Public Procurement of Innovative solutions" & Pre-Commercial Procurement

