

Miljöavtryck

Environmental Footprint

Textile Challenge

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*En bra livsmiljö för människan och allt annat levande,
nu och för kommande generationer*

Environmental Footprint:

Why, what, how and beyond

PEF(CR)

- Product Environmental Footprint Category Rules

OEF(SR)

- Organisation Environmental Footprint Sector Rules



Environmental labels
Reporting schemes
Certification schemes

National "tailor-made" legislation

Increased of costs due to multiple requirements
More difficult access to markets
Unfair competition/misleading claims

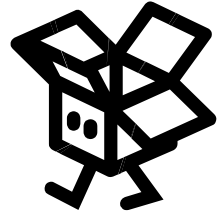
Mistrust in company-driven green marketing

What

- SMGP and Pilot phase 2013-18

Single Market for Green Products (COM(2013)196)

Adopted 9 April 2013



The package contains/proposes:

- **Communication:** background, problem analysis
- **Method to measure environmental performance throughout the lifecycle** (PEF and OEF);
- **Recommends use** of these methods to Member States, companies, private organisations and the financial community;
- **Three-year testing period** to develop product- and sector-specific rules through a multi-stakeholder process (2013-18);
- **Principles for communicating** environmental performance: transparency, reliability, completeness, comparability and clarity;
- **Supports international efforts** - coordination in methodological development and data availability.

<http://ec.europa.eu/environment/eussd/smgp/index.htm>

Overview of activities

April 2013 EC Recommendation
Communication *Single Market for Green Products*

23-25/04 2018 Final conference



April 2018

Pilot phase

Analyse results

Policy proposal

Policy in place

Transition phase

April 2018

- Pilots finalised. One pending

Stakeholder consultations

- Targeted consultation
- Public consultation
- Stakeholder workshop

- Monitoring the voluntary implementation of PEFCRs/ OEFSRs
- Development of PEFCRs/ OEFSRs
- Methodological improvements

How

- Environmental Footprint pilot/method

EF Pilots

Finalised in April 2018

 Batteries and accumulators

 Decorative paints

 IT equipment

 Leather

 Thermal insulation

 Beer

 Dairy products

 Feed

 Pet food

 Pasta

 Wine

 Packed water

Finalised OEFSRs



Retail sector



Copper sector

Finalised in November 2018



Hot & cold water pipe systems



Liquid household detergents



Metal sheets



Photovoltaic electricity generation



Intermediate paper products



T-shirts



Uninterrupted power supplies

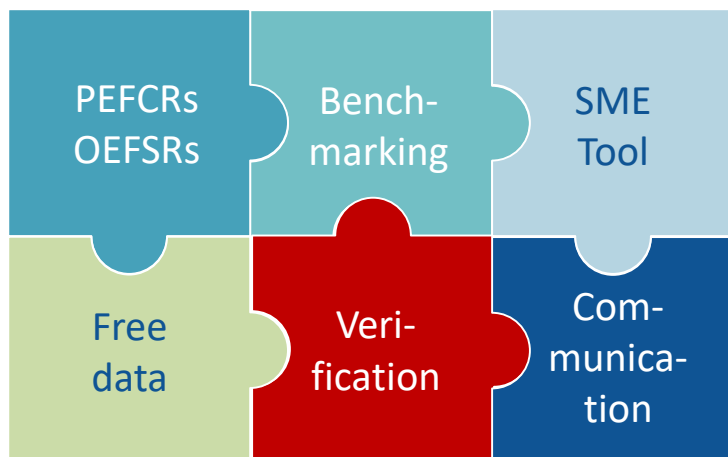


Olive oil (pending)



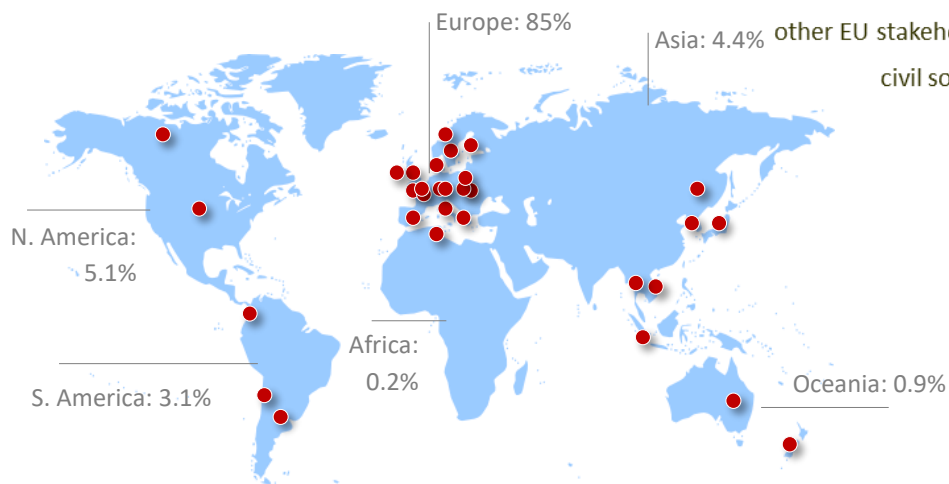
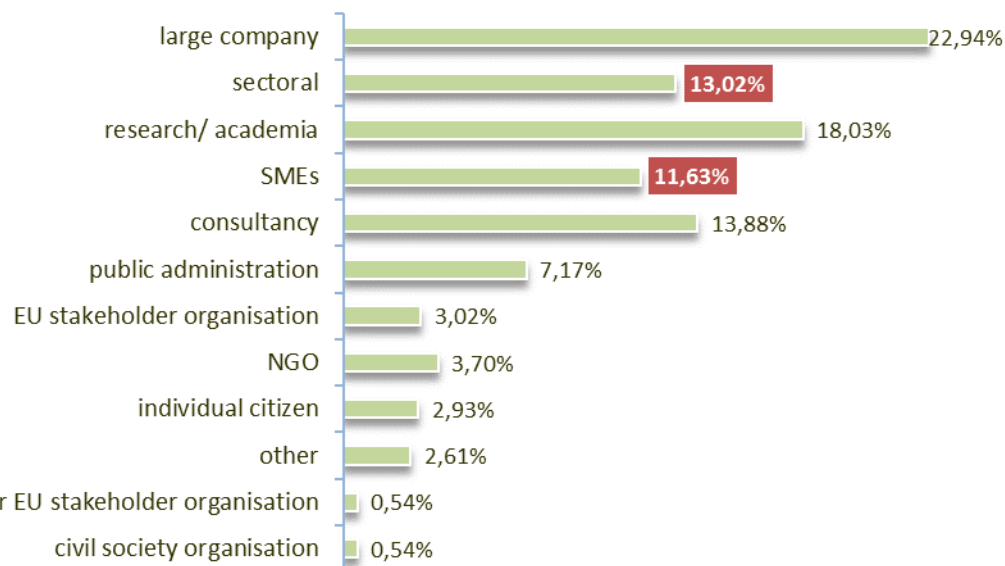
European
Commission

The pilot phase



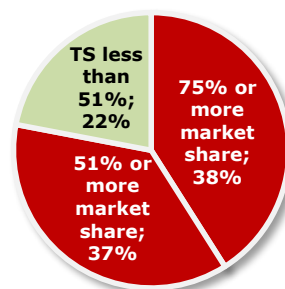
Participants (27 pilots):

2219 individual stakeholders (**5703** participations)



Stakeholders in the world (● = leading stakeholders)

267 leading stakeholders in the **23** active pilots



The EU market is behind the pilots:
73% of pilots have the majority of industry in the lead

What is Environmental Footprint

A method to assess environmental impact over the **full life cycle**.

All relevant environmental impacts, in all parts of the value chain:

- **Material and energy**, e.g. extraction of metals, growing wheat for pasta
- **Production/processing**, e.g. roasting and grinding coffee.
- **Transport**, of material and products (to retailer)
- **Use**, e.g. washing t-shirt;
- **After use**: discarded, recycling or reuse (e.g. emissions from incineration)

16 environmental impacts categories – Hotspots –
Benchmarks – Builds on existing methods – Materiality
principle

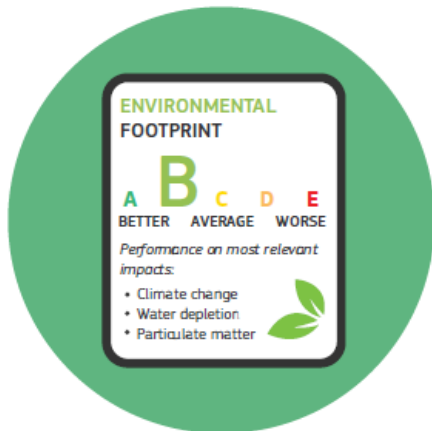
EF – Environmental Impact Categories

1. Climate change
2. Ozon depletion
- 3-4. Human toxicity (non) cancer effects
5. Particulate matter/respiratory inorganics
6. Ionising radiation
7. Photchemical ozone formation
8. Acidification
- 9-11. Eutrofication: terrestrial/freshwater/marine
12. Eco-toxicity in freshwater
13. Land use
- 14-16. Resource depletion: water/mineral&metaller/fossil

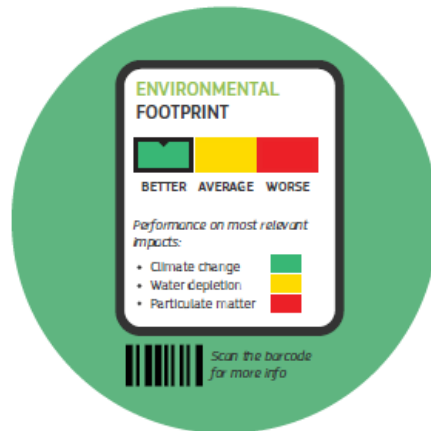


Test av ”communication vehicles”

PERFORMANCE LABEL



TRAFFIC LIGHT LABEL



WEBSITES



MOBILE APPS



IMPROVEMENT LABEL



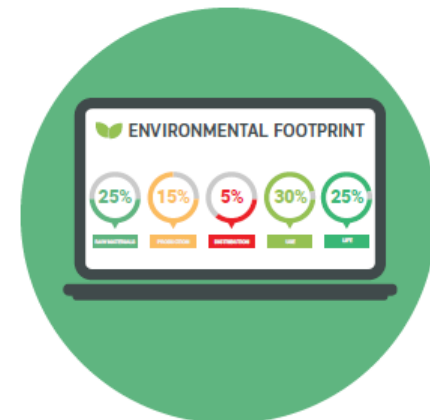
FACTSHEETS



ONLINE SHOPS



INFOGRAPHICS



... and beyond

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**Analyse
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**Policy
proposal**

**Policy in
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EF transition phase

Proposals for PEFCR development



Apparel (including accessories, dresses, hosiery, underwear, leggings/ tights, baselayer, jacket, jersey, pants, shirts, skirt, socks, sweater and cardigans, swimwear, t-shirt, boots, cleats, court, dress shoes/ heel, other athletic shoes, sandals and sneakers)

Sustainable Apparel Coalition
pef@apparelcoalition.org



Cut flowers and potted plants

Coöperatie Royal FloraHolland U.A.



Flexible packaging (low, medium and high functionality flexible packaging)

Amcor Group GmbH



Floor coverings (rugs & runners, synthetic turf)

The European Carpet and Rug Association (ECRA)
EMEA Synthetic Turf Council (ESTC)



Marine fish (wild caught marine fish and marine fish from marine open net pen aquaculture)

Norwegian Seafood Federation (NSF)



Red meat (beef, pork and sheep)

European Livestock and Meat Trades Union (UECBV)

Actors



Objective – pilot/harmonised method

- Level playing field – one single market
- Tool for resource efficiency/circular economy
- Decrease costs for companies
- Better management of resources along the value/distribution chain
- Identify robust method for verification, at reasonable cost

Thank you!



For more information:

<https://ec.europa.eu/environment/eussd/smgp/>

In Swedish:

www.naturvardsverket.se

Miljöarbetet i samhället > EU och internationellt > EU:s miljöarbete > EU och resurseffektivitet (EU 2020) > Färdplan för ett resurseffektivt Europa > Miljöavtryck

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Additional information/slides

A European Green Deal

President-elect Ursula von der Leyen

*„I want Europe to strive for more by being the first **climate-neutral continent**.“
(European Climate Law)*

*“We will be the world leader in **circular economy and clean technologies**.“
(new Circular Economy Action Plan)*

*“We will support our farmers with a new ‘**Farm to Fork Strategy**’ on sustainable food along the whole value chain.”*

*“Europe needs to move towards a **zero-pollution** ambition.”*

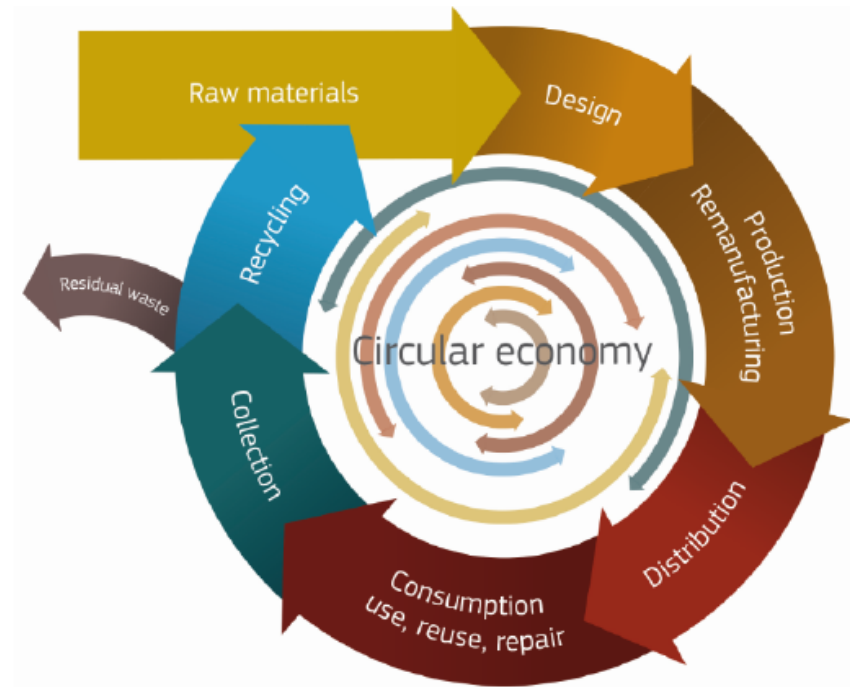
*“I will ensure that every new [**trade**] agreement concluded will have a dedicated sustainable-development chapter and the highest standards of climate, environmental and labour protection, with a zero-tolerance policy on child labour.”*

Reinforcing the circular economy

- **Basis:**

[Report](#) on the implementation of the
CE Action Plan

[SWD](#) - Sustainable Products in a CE
Towards an EU Product Policy
Framework contributing to the CE



European
Commission

Reflection paper:

Towards a sustainable Europe by 2030

*„We should make the **circular economy** the backbone of EU industrial strategy, enabling circularity in new areas and sectors, empowering consumers to make informed choices and enhancing efforts by the public sector through sustainable public procurement.”*



„Life Cycle Assessment of products should become a norm and the eco-design framework should be broadened as much as possible.”

Background – A resource efficient Europe

- EU 2020 (COM/2010/2020)
- A resource efficient Europe (COM/2011/21) "flagship"
- Roadmap for a resource efficient Europe (COM/2011/571)
 - Vision for 2050, milestones, measures
 - Indicators, e.g. resource productivity, recycling, innovation
- Circular economy (COM/2015/614/2)
 - highlights the need for common method

Environmental footprint

- 51% of market
- Representative Product/Organisation (RP/RO)
- Screening
- Supporting studies
- Test of communication vehicles (CV)
- Externa review

http://ec.europa.eu/environment/eussd/smgp/ef_pilots.htm

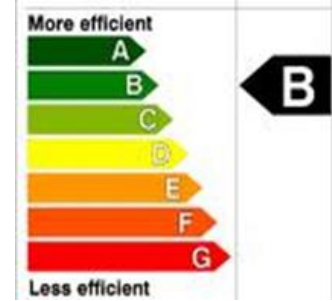
Communication on Integrated Product Policy (COM(2003)302):

"LCAs provide the best framework for assessing the potential environmental impacts of products currently available ... important tool for IPP"

"The European Commission will develop ...

- Handbook on best practice; best attainable consensus among stakeholders
- Co-ordination to make data more accessible and systematically collected
- Directory of LCA databases to be updated at regular intervals
- Platform to facilitate communication and exchanges"

Hur kan en gemensam metod bidra till förbättrade miljöprestande i framtiden?



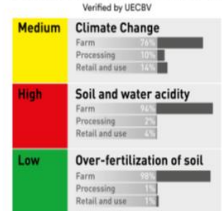
Fri tillgång till information

NUMBER OF
PRODUCTS

GPP



ENVIRONMENTAL IMPACT



Incl.
aspects
based
on
criteria
asses.
(RPS)

ENVIRONMENTAL
PERFORMANCE OF
PRODUCTS

POTENTIAL OPTIONS FOR POSSIBLE USES

1: Business as usual

2: Continued support to implementation of EF methods (by COM)

3: Licensing of the right to use PEF/OEF (by COM)

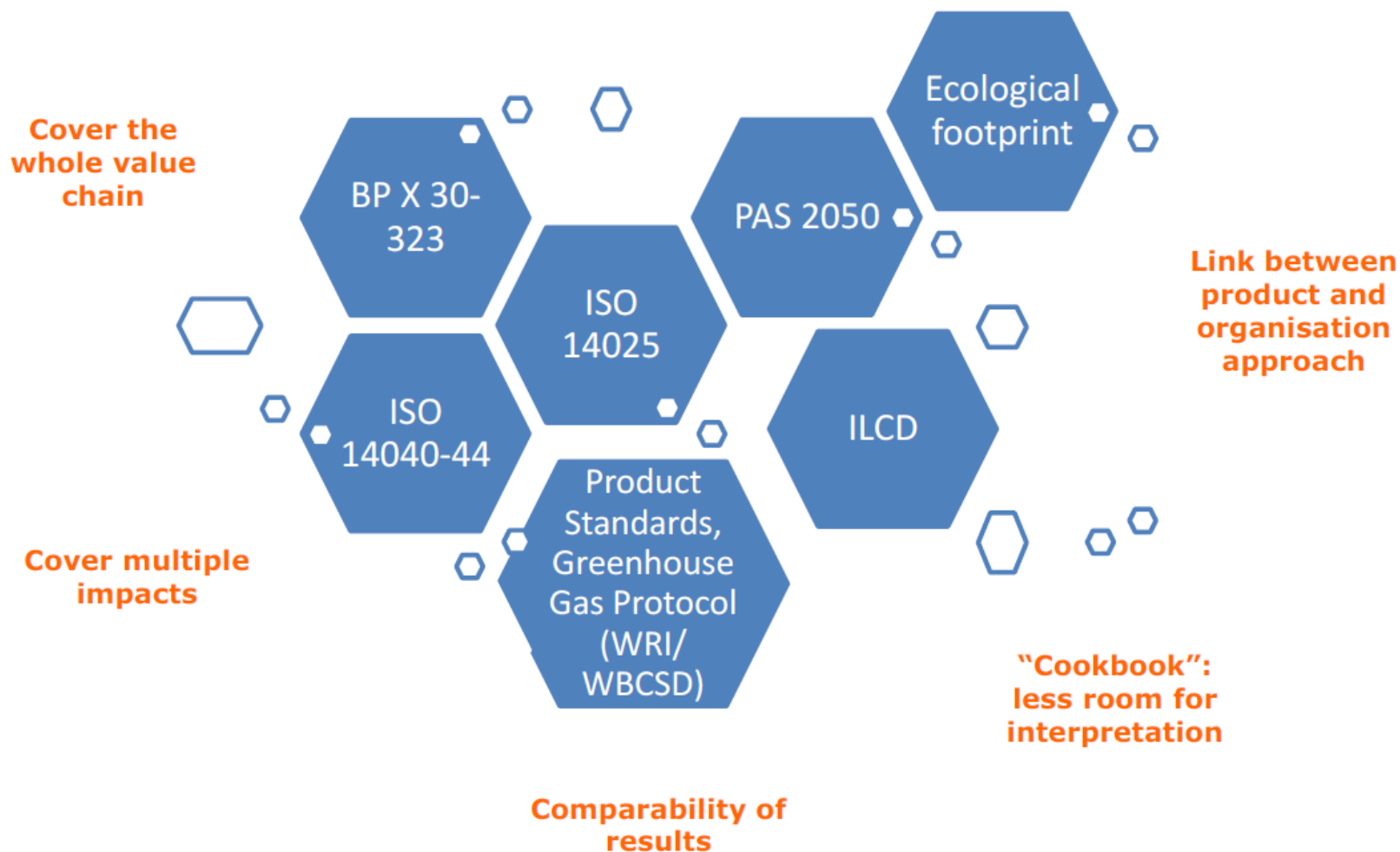
4: Integration of the methods in existing policies, e.g Ecolabel, Green Public Procurement (GPP), Eco-Management and Audit Scheme (EMAS), Unfair Commercial Practices Directive (UCPD), ...

5: New instrument on specific green claims

Proposed **key features of verification:**

- Mandatory independent 3rd party
- Carried out by accredited or licensed verifiers
- Verification of the model, data and calculations
- Partly done at desk/off-site, partly on-site
- Minimum requirements for verifiers defined:
verification practice, knowledge of LCA and
industry/sector
- Materiality principle = most attention to data and
processes driving most relevant impacts

Built on existing methods...



EF-subgroup - Sustainable Consumption and Production expert group (SCP)

- Further development of EF
 - based on following “clusters”:
 - Apparel & footwear
 - Beverages
 - Chemistry based final products
 - Construction products
 - Electrical & electronics
 - Food products
 - Materials and intermediate products
 - Energy production and transmission