



SIDE EVENT – UN GLOBAL FOOD SUMMIT

HEALTHY AND CLIMATE- FRIENDLY DIETS

**Nordic collaboration on
Environmental Footprint**

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CV :

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- Senior Product Developer
- Auditor ISO 14001/EMAS
- Verificator ISO 14025/14064-1+2 + EU PEFCR Feed
- Environmental Footprinting
- Carbon credits
- Anti-greenwashing (i.e. green claims on food)
- Coordinator Nordic Environmental Footprint Group (NMR)

- Danish Crown: director sustainable farming & production
- Danish Environmental Protection Agency

- Large innovation Projects: DRIP (IFD), Pork 4.0 (GUDP)
- PEFCR TS work package leader for pork
- Memberships: Board GUDP + Environmental Appeal Board

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THE NEF GROUP

The Nordic Council of Ministers is the official body for Nordic collaboration – covering Denmark, Sweden, Norway, Finland, Iceland and the autonomous regions Greenland, the Faroe Islands and Aaland Isles

In 2015 the Nordic Environmental Footprint Group was founded as a measure under the Circular Economy activities

The purpose is coordinating the Nordic countries authority work within the European Product Environmental Footprint Initiative (PEF)

Pose Nordic views in the dialogue with the EU, i.e. by drawing up discussion papers, input on footprint methodologies, facilitate collaboration between Nordic Universities and stakeholders

Disseminate knowledge regarding PEF to Nordic stakeholders. The group include national representatives in the EU work

WHAT IS PEF AND OEF

Lifecycle assessments are used for calculating the environmental impacts from a products (and organisations)

PEFCR are category rules specifying the way to calculate the footprint of a product within the category (i.e. beer, batteries etc)

PEF is the resulting footprint of a product

OEF are rules for calculating covers organisations

Timeline for development of PEF and OEF

Mandates

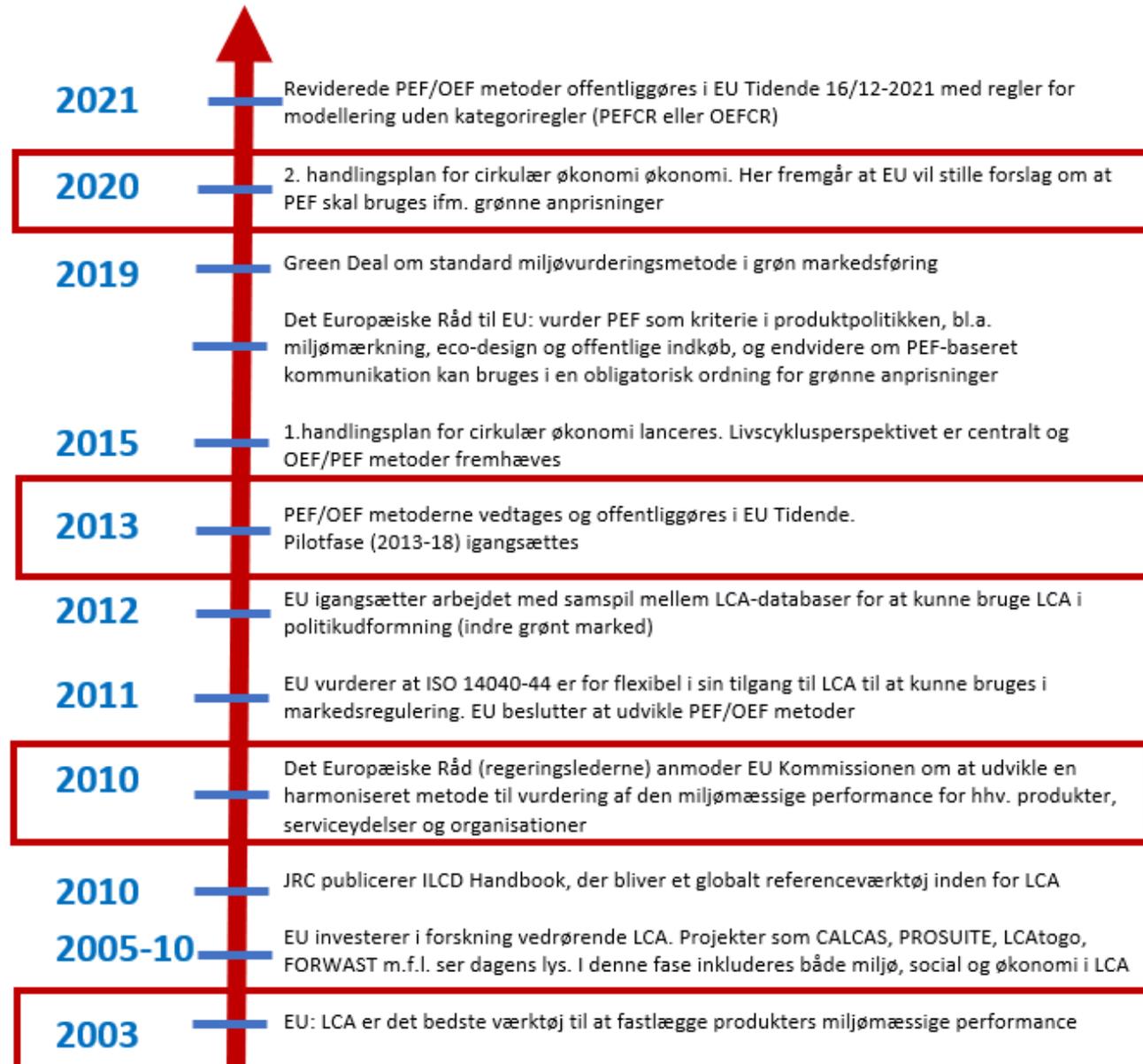
Analysis

Research

Methodology

Pilot testing

Policy development



THE CHALLENGES

The European **single green market** need a harmonised approach to assessment of the environmental impact of products, services and organisations



Proliferation

- Environmental labels
- Reporting schemes
- Certification schemes

Internal Market

- National "tailor-made" legislation

Competitiveness

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

Consumers

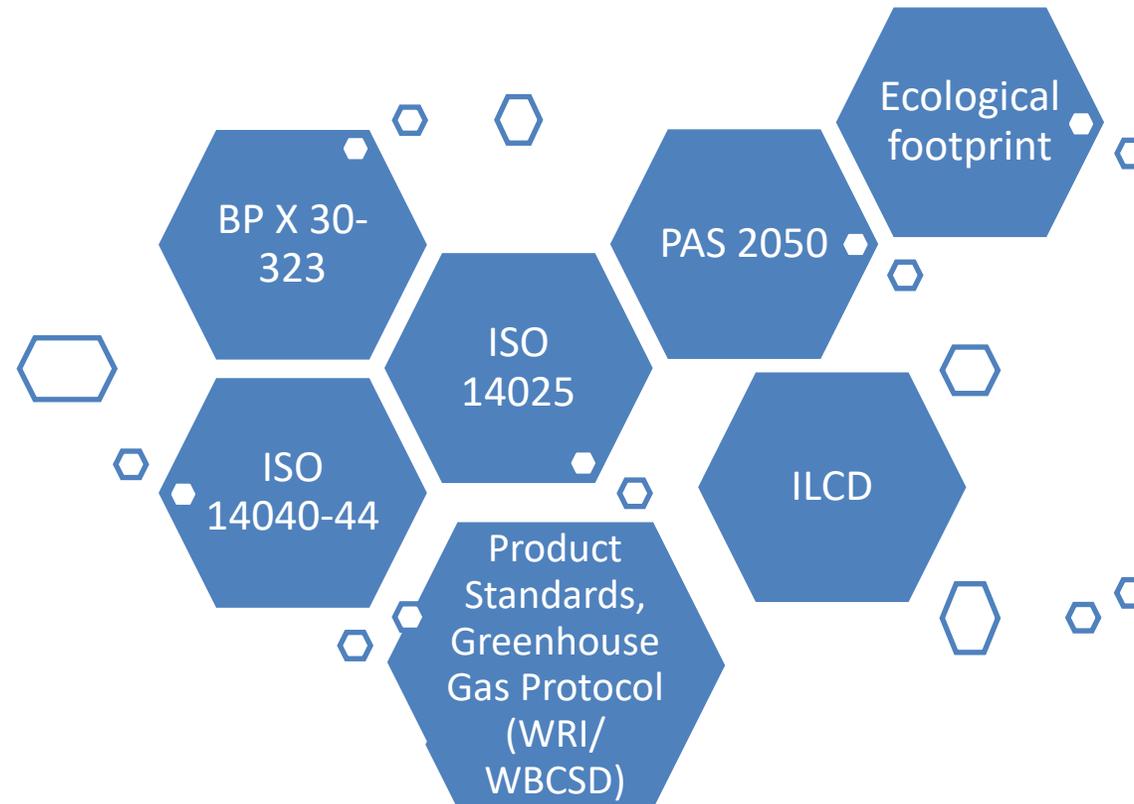
- Mistrust in company-driven green marketing

WHY NOT USE EXISTING REGULATION?

Calculated
environmental impacts
based on LCA can
differ hugely depending
on

- methodology
- scoping (what is included and excluded)
- modelling
- data

Making comparisons
impossible and useless in
market regulation and for
driving the green
transition



WHAT IS SPECIAL ABOUT THE PEF APPROACH?!

FROM GENERIC ISO STANDARDS TO CATEGORY RULES

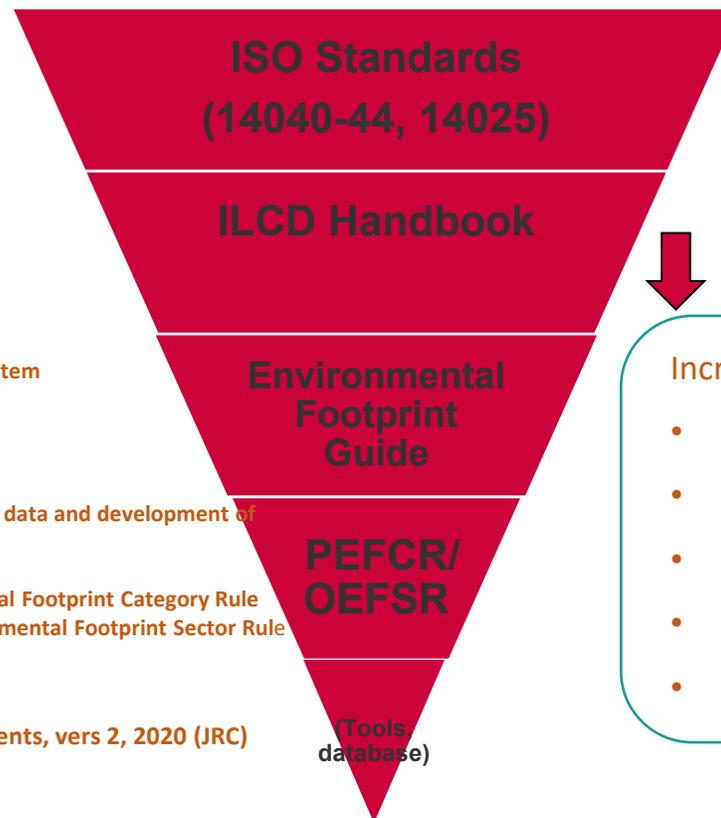


ILCD: International Reference Life Cycle Data System

Requirements for modelling, data and development of PEFCRS/OEFCRS

PEFCR: Product Environmental Footprint Category Rule
OEFSR: Organisation Environmental Footprint Sector Rule

Data requirements, vers 2, 2020 (JRC)



Increasing

- reproducibility
- consistency
- comparability
- Practicality
- Reduced costs

PEFCR and OEFCE PILOTS 2014-18

1. wave pilots

-  Batteries and accumulators
-  Decorative paints
-  Hot & cold water pipe systems
-  Liquid household detergents
-  IT equipment
-  Metal sheets
-  Non-leather shoes
-  Photovoltaic electricity generation
- ~~ Stationary~~
-  Intermediate paper products
-  T-shirts
-  Uninterrupted power supplies
-  Retailer sector
-  Copper sector

2. wave pilots

-  Leather
-  Thermal insulation
-  Beer
- ~~ Coffee~~
- ~~ Fish~~
-  Dairy products
-  Feed
- ~~ Meat~~
-  Pet food
-  Olive oil
-  Pasta
-  Wine
-  Packed water

3. wave

-  Marine Fish
- Cut flowers and potted plants
- Flexible packaging
- Apparel and footwear
- Synthetic turf

MODELLING AND DATA

The updated EU PEF/OEF recommendation contains 4 annexes stipulating how to model a PEF or OEF if there aren't any category rules

There are also rules for development of new PEFCR's and OEFCR's
EF 3.0 compliant datasets are implemented in numerous commercial LCA- databases

It has become easier (and faster) to model an LCA and can be used for all types of LCA modelling – i.e. in EPD's



COMMISSION RECOMMENDATION

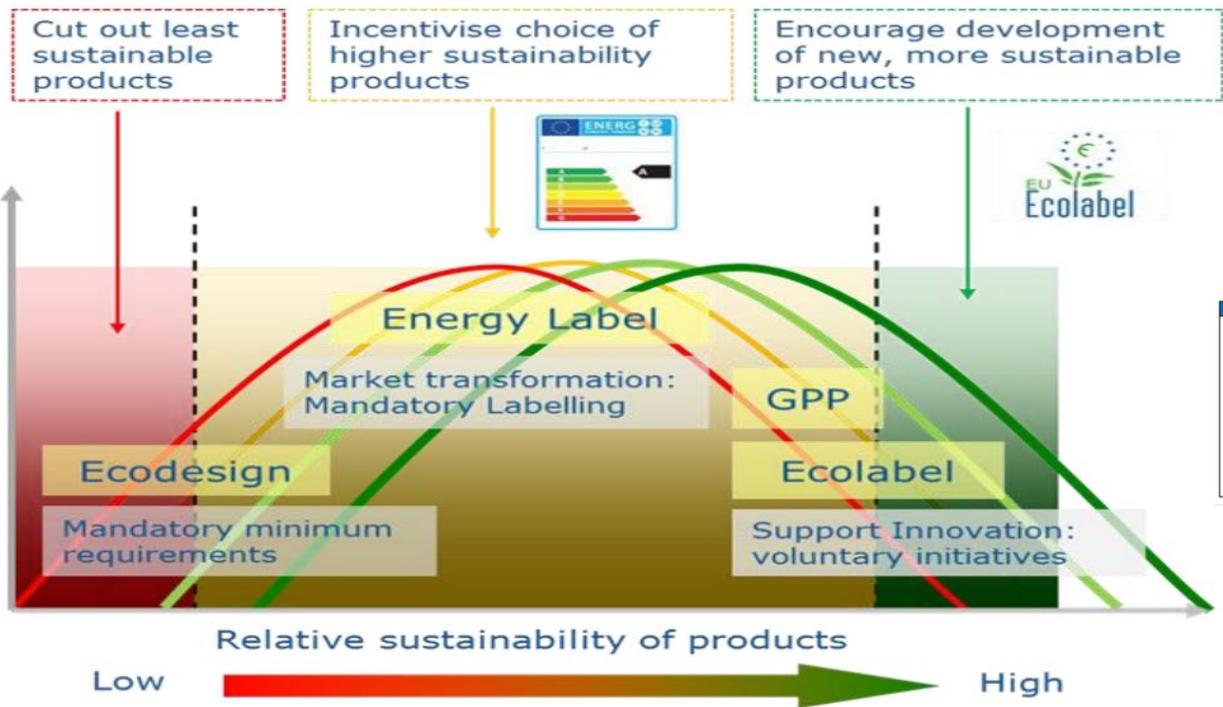
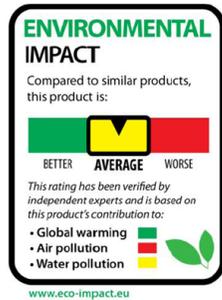
of 16.12.2021

on the use of the Environmental Footprint methods to measure and communicate the life cycle environmental performance of products and organisations

SUSTAINABLE PRODUCT INITIATIVE

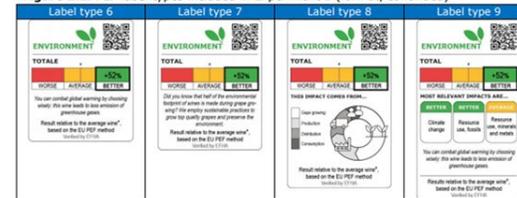
Ecodesign regulation proposed 30. 03. 2022 approach for ALL other products than food, feed, animals, plants and medicine

PEF is the methodology that will be used to for determining the Environmental Footprint
 Product chain perspective – public procurement criteria - digital product passports etc.



Empowerment of consumers central for succes in the green transition

Figure 2.2. PEF label types included in Experiment 1 (format, continued)



POLICY DEVELOPMENT – EUROPEAN PERSPECTIVES

Green Claims Initiative

it is expected environmental impacts have to be documented and credible communication is based on lifecycle assessments

Sustainable Products Initiative

extended product scope for eco-design directive beyond electrical appliances, i.e. textiles, building materials, electronics and plastics. Lifecycle based minimum requirements have been flagged by EU.

New markets for secondary raw materials and components in the circular economy will need product information.

It is expected a digital product pass will include information on materials, components, quality, origin and the environmental footprint

Taxonomy regulation – sustainable financing

Green Consumption Pledge and Code of Conduct on Responsible Food business and Marketing Practices

Codexes

GREEN CLAIMS

A new regulation defining that green claims are to be supported by PEF verified documentation (summer 2022)

A new voluntary scheme regarding the use of PEFCRs for marketing of green claims? – use of benchmark based labelling (traffic light)

PEF fundament for hot spot analysis regarding new or revised flower criteria – Other aspects outside the 16 impact categories (social, uses, quality a.o.) to be managed by present measure

MMS letter distributed seeking governments support to maintain present methodology

Why did we launch the eco-labels in the 90'ties? - Need for proactive thinking?

Need for eco labels to go to level 2.0 building on the strength of the present achievements?

The way forward regarding the numerous eco-labels – public and private? Food?

NORDIC COLLABORATION IN AGRIFOOD

Over the years discussion papers, notes, participation in modelling workshops and more has taken place

- NEF Agri group**
- agricultural modelling – biodiversity, manure, pesticides**
- current project led by Finland about possibilities for harmonising PEF approach across food categories**

The yearly Nordic AgriFood workshop disseminates the newest developments, shares results and research and establishes a forum for discussing PEF

MORE INFORMATION

Presentations from NEF conferences and agrifood workshops from 2015 onwards can be found at:

www.nordic-pef.org