



Learnings of national application of Environmental Footprint in Companies and Organizations

2021-09-06

LCM 2021 – The 10th International Conference on Life Cycle Management

Authors: Sara Palander (1), <u>Björn Spak (</u>2), Karin Sanne (3), Katarina Lorentzon (4), Torun Hammar (4), Anna Wikström (1), Maria Rydberg (1)



Background – the Environmental footprint process

SMGP

The pilot phase

The transition phase

Policy in place

April 2013

2018



Aim of PEF

Improve the environmental performance of products and services in the European market through a combination of market pressure and policy instruments



PEF in Sweden

Swedish Life Cycle Center hosts a national dialogue on PEF

- companies, academia, government agencies and research institutes
- follow, understand and impact the PEF process and its method







CHALMERS

Nouryon



SKF

































Follow, understand and influence

Share experiences between members

Support Swedish members in TAB

Research and case studies in collaboration

Coordinate Swedish experts for methodological issues



Environmental footprint in Sweden

Project supported by Vinnova, Sweden's Innovation Agency

- Coordinate Sweden's work on PEF
- Engage Swedish actors in PEF
- Give Swedish actors a better understanding of the methodological issues in PEF and the PEF policy development



...through

- Coordination between TAB members in Sweden
- Arrange forums for dialogue
- Information & communication
- Active in engaging in research and case studies
 - what's in it for me?



Results so far – high interest

Industrial respondents

5% have started to apply PEF 31% are considering changing its current working methods

Barriers:

"The method is not sufficiently developed for the type of environmental impact that is most important to us." (50%)

"Our industry sector as a whole is not keeping up with the PEF development so we have no external pressure on us." (30%)



Results so far – high interest

Authorities, academia and other respondents

36% have already decided/started working with PEF

Barriers:

"We do not have external requests for PEF implementation." 40%

"The method is not sufficiently developed to be applicable to policy formulation." 35%



Next phase/steps

Finish two case studies

- Paper product
- Metal product

Communication of results

- Learnings, interpretation and how to do
- PEF vs EPD



What is needed?

- Hands-on advice & examples of how to make a PEF
- Support and guidance
- Communication & information regularly
- Understand differences in calculations and results for PEF in relation to EPD
- Coordination with other standards







Contact

bjorn.spak@naturvardsverket.se lifecyclecenter@chalmers.se www.lifecyclecenter.se

Twitter: @lifecyclecenter

LinkedIn: Swedish Life Cycle Center

About the project: https://www.lifecyclecenter.se/projects/environmental-footprint-in-sweden-increased-competence-and-communication/

