

PRESENTATION OF THE VINNOVA PROJECTS

Starting point, aims and results



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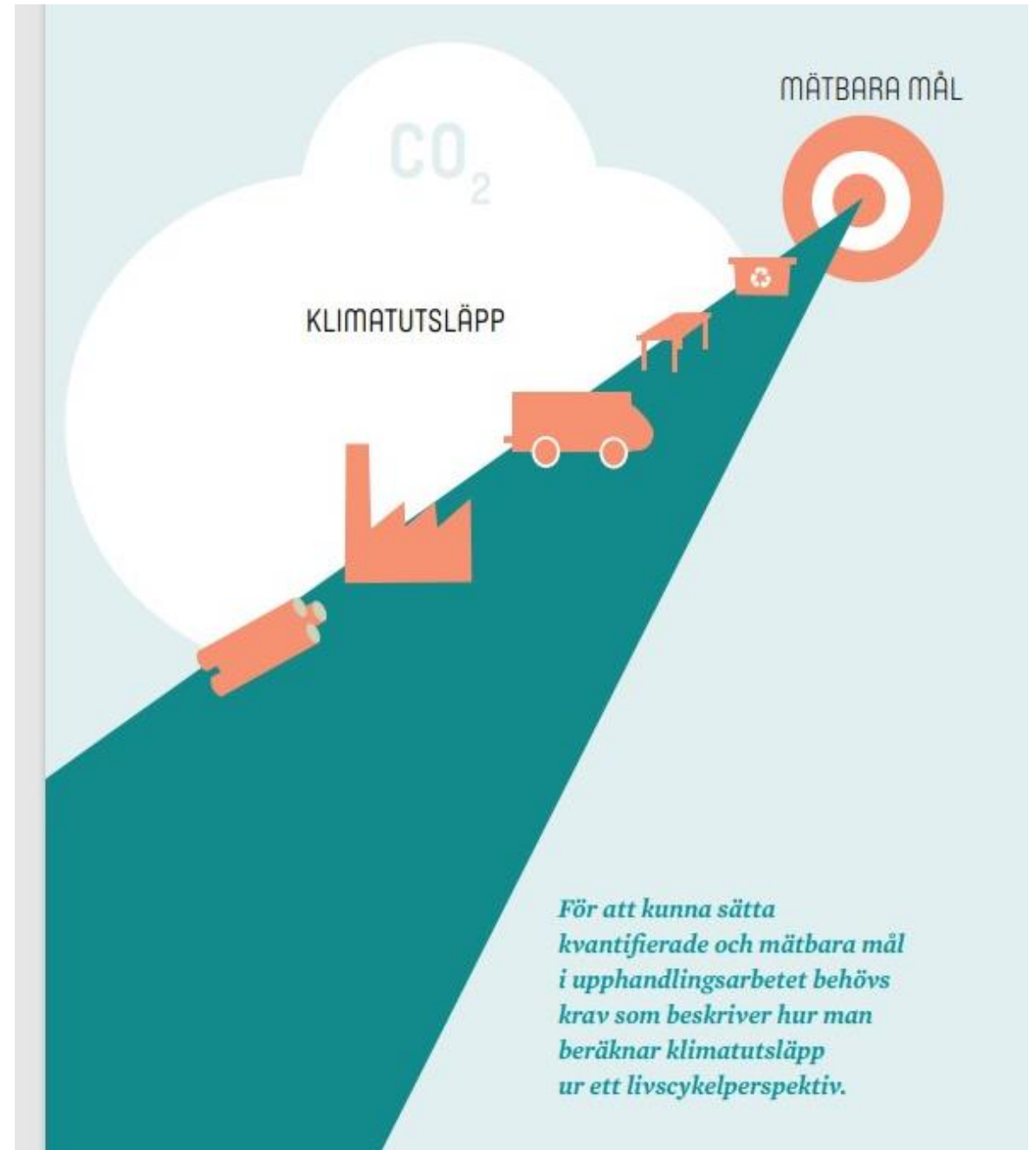
The Projects

ESTABLISH PUBLIC PROCUREMENT AS A CLIMATE POLICY INSTRUMENT

- We are not meeting our generational goals – public procurement is the only instrument that can influence climate emissions in other countries.
- No climate goals set for public procurement!

CIRCULAR DECLARATIONS AS A COMPREHENSIVE POLICY AND PROCUREMENT TOOL

- Circular economy has recently become a high-priority area – both in Sweden and internationally, with a particular focus on the importance of procurement.
- Circular procurement has the same goal as fossil-free procurement – to reduce the climate impact of products.



Starting point

Establish public procurement as a climate policy instrument

- Need to streamline fossil-free procurement by proposing practical working methods to enable requirements for quantitative information on product climate performance.
- International standard for support in operational procurement work → ISO 14025 on Environmental Product Declarations (EPDs), which enables objective and dispute-free comparisons of different products' climate performance.

Circular declarations as a versatile policy and procurement tool

- Major challenge in developing relevant circular procurement criteria that consider all materials' "circular properties."
- Circular declarations can be included in an EPD as supplementary climate information through a practical and data collection procedure for information that is otherwise difficult and costly to obtain.

The climate issue requires considering a life cycle perspective in public procurement.

THE NATIONAL PROCUREMENT STRATEGY:*

A lack of holistic perspective in procurement may result in failing to account for costs and values associated with other activities affected by the procurement, as well as cost differences arising during the product's life cycle.

This can lead to undesirable "cost-shifting effects" and suboptimal resource use overall. Therefore, it is important to consider the life cycle perspective in procurement activities.

Even if the purchase price in a single procurement is higher when environmental requirements are imposed, the total societal cost may be lower in the long run.



All stages, including research and development – from raw material procurement or resource generation to disposal, remediation, and the end of the service or procurement.
(1 kap. 17 § LOU och 1 kap. 16 § LUF)

The “distrust” towards LCA (Life Cycle Assessment)

Miljöbalken (SOU 2022:21)

Depending on different assumptions, system boundaries, etc., in an LCA from a life cycle perspective, one may get varying answers regarding whether products are sustainable or not. For comparisons to be meaningful, it often requires the collection of large amounts of data from multiple countries.

Suppliers

LCA requirements demand enormous resources and high expertise to verify compliance, correct deficiencies, and ensure ongoing adherence to the requirements.

The National Agency for Public Procurement

Using LCA calculations in public procurement is a major challenge due to a lack of information, traceability, and the need for extensive LCA knowledge, which is typically lacking in procurement authorities.

Transport sector

The climate impact of different fuels in CO2 equivalents cannot be represented in absolute terms due to the varying assumptions that LCA calculations may rely on.

Construction Sector

It is neither reasonable nor appropriate to introduce requirements for a full life cycle analysis, as this is currently considered to be a too complex task.



Simplified LCA requirements do not fully utilize information about the climate impact of products (and may jeopardize equal treatment?)

Requirement text

- To receive [points/price reduction] in the bid evaluation, the supplier must report the climate impact from a life cycle perspective for one or more disposable textiles covered by the contract.

Proposed Proof

- The supplier must be able to present one of the following upon request:
 - Environmental declaration according to ISO 14025 or an equivalent standard.
 - Carbon footprint according to ISO 14067 or an equivalent standard.
- The calculation must include results from a life cycle assessment in accordance with ISO 14044 or an equivalent standard.

The construction sector has advanced the most in setting LCA requirements.

From January 1, 2022, Sweden requires a climate declaration for the construction of new buildings. This means that builders must report the climate impact of a new building

Information för bedömning av byggprodukter																
Produktskede			Byggproduktion		Användningsskede							Slutskede				Tilläggsinformation
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Råvaruförskning	Transport	Tillverkning	Transport	Bygg- och installationsprocess	Användning	Underhåll	Reparation	Utbyte	Ombyggnad	Driftenergi	Driftens vattenanvändning	Demontering, rivning	Transport	Restproduktsbehandling	Bortskaffning	Aterbruk-återvinningspotential
Måtdata	Måtdata	Måtdata	Scenario	Scenario	Scenario	Scenario	Scenario	Scenario	Scenario	Scenario	Scenario	Scenario	Scenario	Scenario	Scenario	Scenario

Only climate information based on a full life cycle can be compared.

The law is based on the EU standard EN 15804, which in turn is based

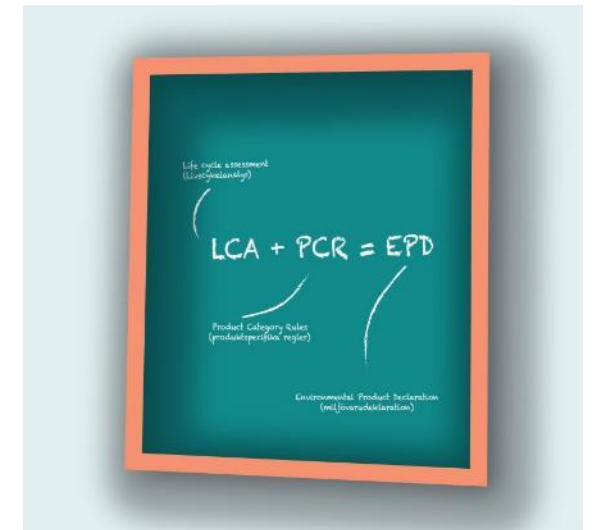
ISO standard 14025 on EPD has the potential to become a broad procurement concept that meets several needs.



Miljömärkning och miljödeklarationer – Typ III miljödeklarationer – Principer och procedurer

Objectives:

- * to assist purchasers and users to make informed comparisons between products
- * provide information for assessing the environmental impact of products over their life cycle



What characterizes an EPD:

- A voluntary system with significant international recognition and application
- Provides common product-specific LCA calculation rules, PCR
- Results undergo an independent, qualified external review and approval
- Administered and registered by an EPD program operator



Upphandlingspanelen.se

→ Front page



Climate targets
work

Procurement
work

Kriterie-
klivet

Tips and
recomendations

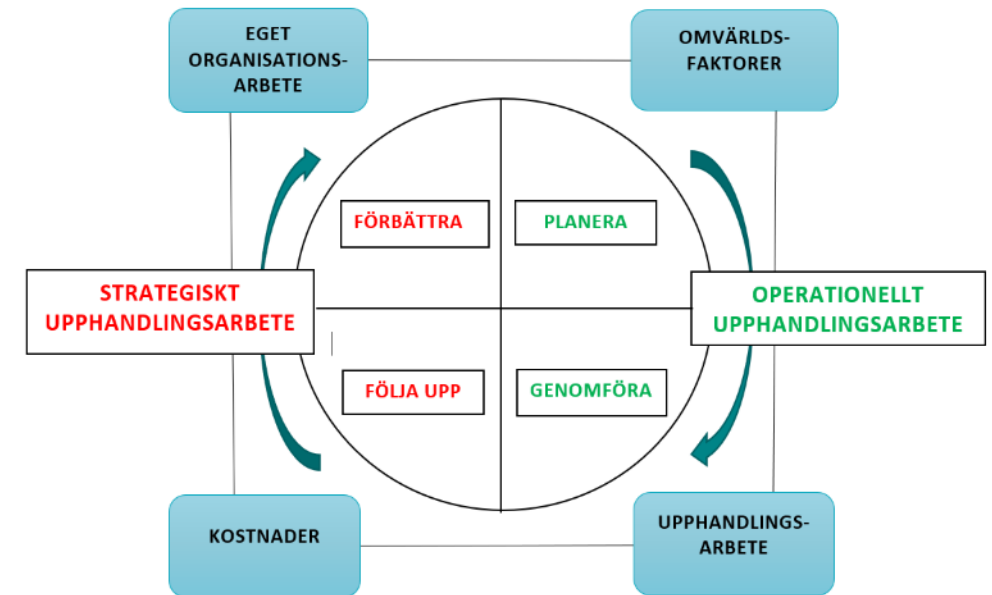
Upphandlingspanelen.se → Climate targets work

- Municipalities climate targets
- Industry's climate targets work in Sweden
- Industry's climate targets work globally
- The climate targets work based on SBT (*Science Based Target*)
- Political initiatives
- International perspectives



Upphandlingspanelen.se → Procurement work

- Environmental spend analyses as a strategic procurement tool
- Operational work with fossil-free procurement
- Operational work with circular procurement
- Selection of prioritized product groups for increased climate benefit
- Calculation model for climate impact of transport work
- Use of pricing models
- Views on fossil-free and circular procurement



Upphandlingspanelen.se

→ Kriterielivet

- PCR and EPD fossil-free procurement
- Kriteriekollen for circular procurement
- Searchable database for fossil-free procurement
- Searchable database for circular procurement



Upphandlingspanelen.se

→ Tips and recommendations

- Interpretation of results in fossil-free procurement
- Interpretation of results in circular procurement
- Experiences with fossil-free procurement
- Links to good examples in the sustainability field



Thank you!