

Green Procurement Science based

The Netherlands (2010-2020)

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**nibe**



A bird's Eye view

The Netherlands experience very strong man-made pressure on the natural environment, being one of the most densely populated countries in the world, with a strong economy, big industry and the worlds second largest exporter of agri- and horticultural products.

The country is a frontrunner in environmental performance as part of national policy and has implemented a LCA based system for Green Public Procurement more than 10 years ago.

Dutch system



Design



Approved
SOFTWARE



Environmental
Cost Indicator
0,87 €/m²/jaar

NATIONAL DATABASE

~350 cat 1

Specific
products

~250 cat 2

Branche
averaged

~800 cat 3
Generic products

+30%

NOT in NMD?



ADD

When a product you need is not available in the database, but there is a valid EPD, this can be used in some situations

The system

- National method for **LCA for Constructions** (Bepalingsmethode milieuprestatie bouwwerken*), that is based on the EN 15804.
- Use of a **single point method** to express the result, called the Environmental Cost Indicator (ECI), with unit in Euro.
- **Legislation** setting maximum value of the ECI per m² per year for buildings
- The ECI is used in public **tenders** as criterium, today in the following way: the offer with the lowest [price + X*ECI] wins the contract.
- With X being set depending on the nature of the contract and the product that is tendered. X typically is between [1-10].

* The method is available in English on www.milieudatabase.nl

Personal Observation

- In those sectors where the legal maximum value applies, we see little or no improvement in environmental performance of products and constructions.
- In those sectors where the formula in tendering is used to give out-performers a better chance of winning the contract we significant improvement (10-40%) sector wide.
- We see also an upward effect on prices between 0-5%

The system

- Recently we have added **factory inspection** to the system.
- It was found that having a third party verified EPD is not enough, it was deemed necessary to verify that production is compliant with the EPD.
- For this an inspection protocol (scheme) was developed and producer can certificate EPD's of their products under this Protocol (BRL K11002 and BRL K11004).

<https://www.kiwa.nl/upload/BRL/K11002.pdf>

See my previous presentation (33 min) on the Dutch system:

<https://screencast-o-matic.com/channels/cYfDlrWEQ>