

International EPD® System



EPD og gode miljøvalg i et
internasjonalt perspektiv

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1999


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Certified Environmental Product Declaration (EPD), 
 hydropower electricity from the Lule river

Manufacturer and Product

Manufacturer:
 Vattenfall AB, 162 87 Stockholm through Vattenfall AB Vattenkraft, 971 77 Luleå,
 www.vattenfall.se
 Contacts: Sören Ek, +46-930-770 00 (environment and generation, Lule river),
 Bugn Bodlund, +46-8-739 50 00 (certification issues) and Sara Ericsson, +46-8-739 50 00 (sales).

Vattenfall AB Vattenkraft's goal is to have a certified environmental management system, in accordance with ISO 14001, by the end of 1999.



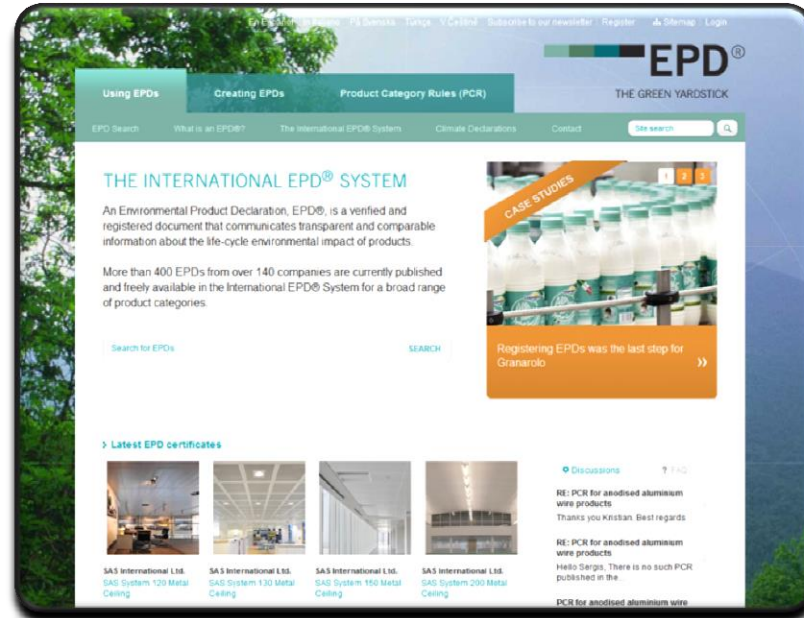
Map of the Lule river catchment showing the three hydropower plants which have been studied in detail in this certification process.

Product:
 The Lule river is located in the extreme north of Sweden, and is the most important Swedish river from a hydropower point of view, both in terms of capacity and energy. Total peak capacity is 4 220 MW, and total annual generation is approximately 14 TWh. This represents 44% of Vattenfall's hydropower generation. The Lule river catchment is app. 25 200 km² and the average discharge is 315 m³/s.

There are a total of 15 hydropower plants in the river, all owned by Vattenfall. Three of these have been chosen as representative in the LCA study which is the basis for this Environmental Product Declaration, EPD. A reasonable point of departure in order to discuss the representativity of plant selection is the area of land subjected to land use conversion per unit produced electricity. Hydropower development in the Lule river has affected a total of 323 km² of land with 15 power plants producing app. 14 TWh/year. The three plants chosen for the study have affected 88 km² of land, i.e. 27% of the total, and produces app. 3.4 TWh/year, i.e. 24% of the electricity. From this it is reasonable to argue that we have good representativity with our plant selection. We are overestimating impact marginally.

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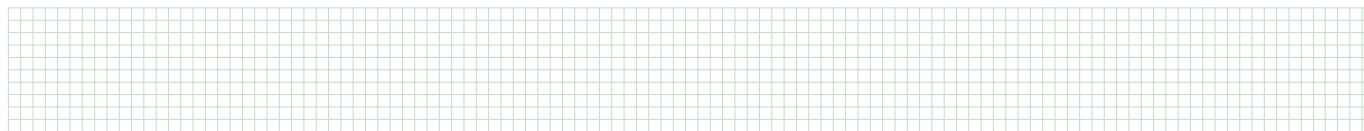
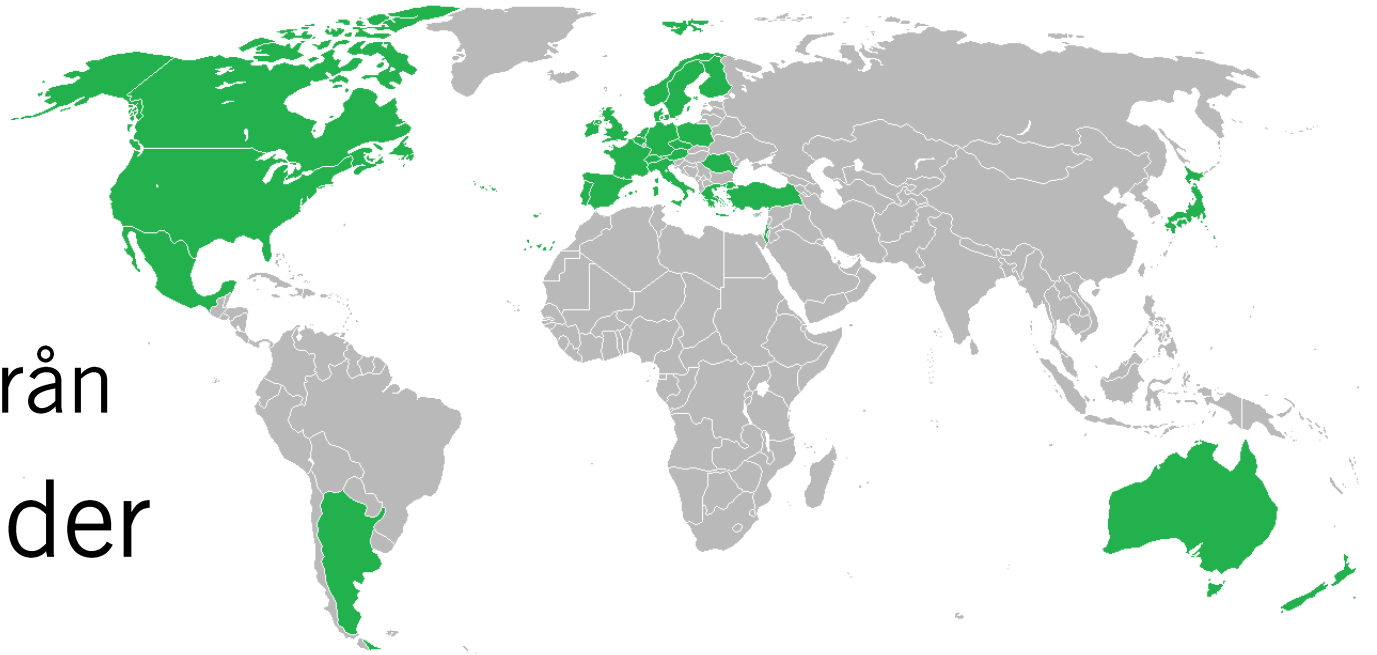


~600

publicerade EPDer



Företag från
28 länder









SPECIALE RISTORAZIONE



PASTA DI SEMOLA DI GRANO DURO

DURUM WHEAT SEMOLINA PASTA
PÂTES ALIMENTAIRES
TÖNNAREN AUS HARTWEIZENGROSS
PASTA ALIMENTICA DI SEMOLA DI TRIGO DURO

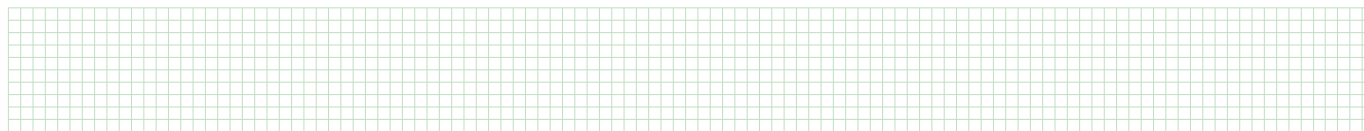
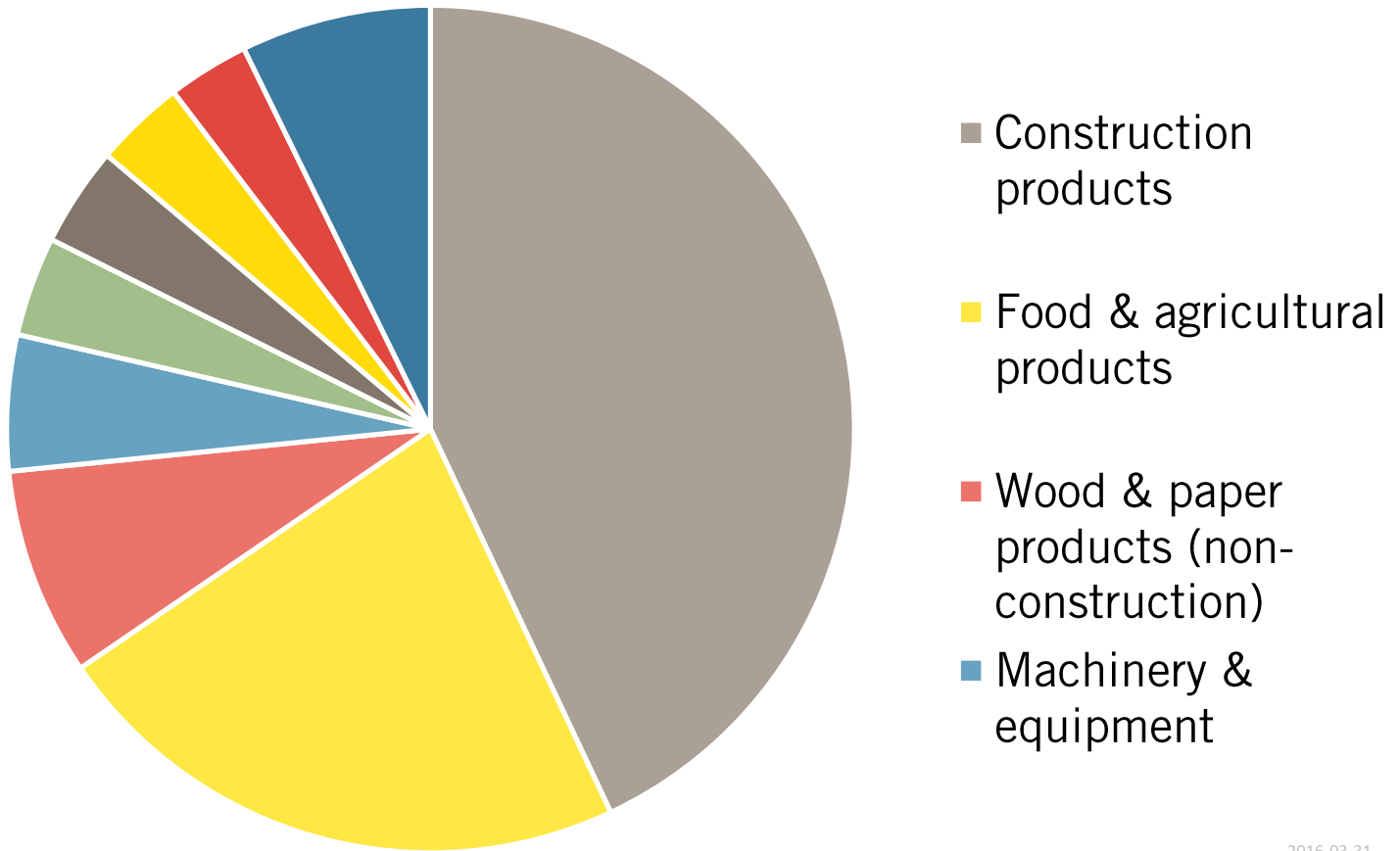


5Kg e









Hur många EPD-program finns det?

- Fritt fram att starta nya program:

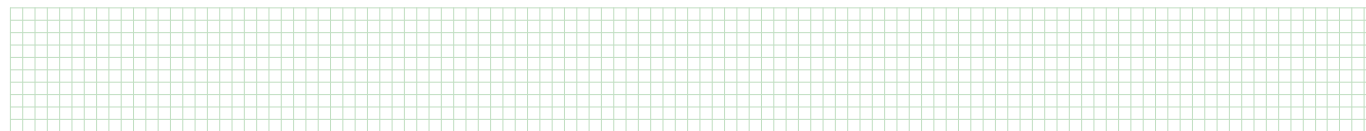
"[Type III environmental declarations] are subject to the administration of a programme operator, such as a company, a group of companies, industrial sector or trade association, public authorities and agencies, or an independent scientific body or other organisation"

- Idag: >35 programoperatörer i världen
 - De flesta dock väldigt små eller begränsade till ett land eller produktområde

Varför nya EPD-program?



- Språkbarriärer?
- Leva upp till särkrav (t.ex. nationella)?
- Kontroll?
- Utökning av existerande verksamhet?
- Okunskap?



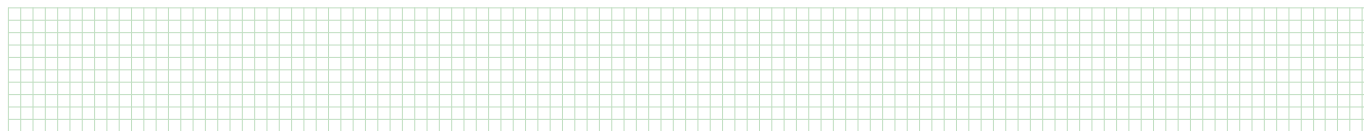
Vad kan skilja mellan program?



≠



- Språk
- Grundläggande syn på LCA-metodik
- Tolkning av standarder
- Särkrav eller inkompatibla standarder
 - t.ex. krav på att viss LCA-databas ska användas
- Etc.



Program

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EPD Norge

IBU

AENOR

Earthsure

...

Program

Användare

International EPD® System

Nationell databas 1

EPD Norge

Nationell databas 2

IBU

Byggnadscertifiering 1

AENOR

Byggnadscertifiering 2

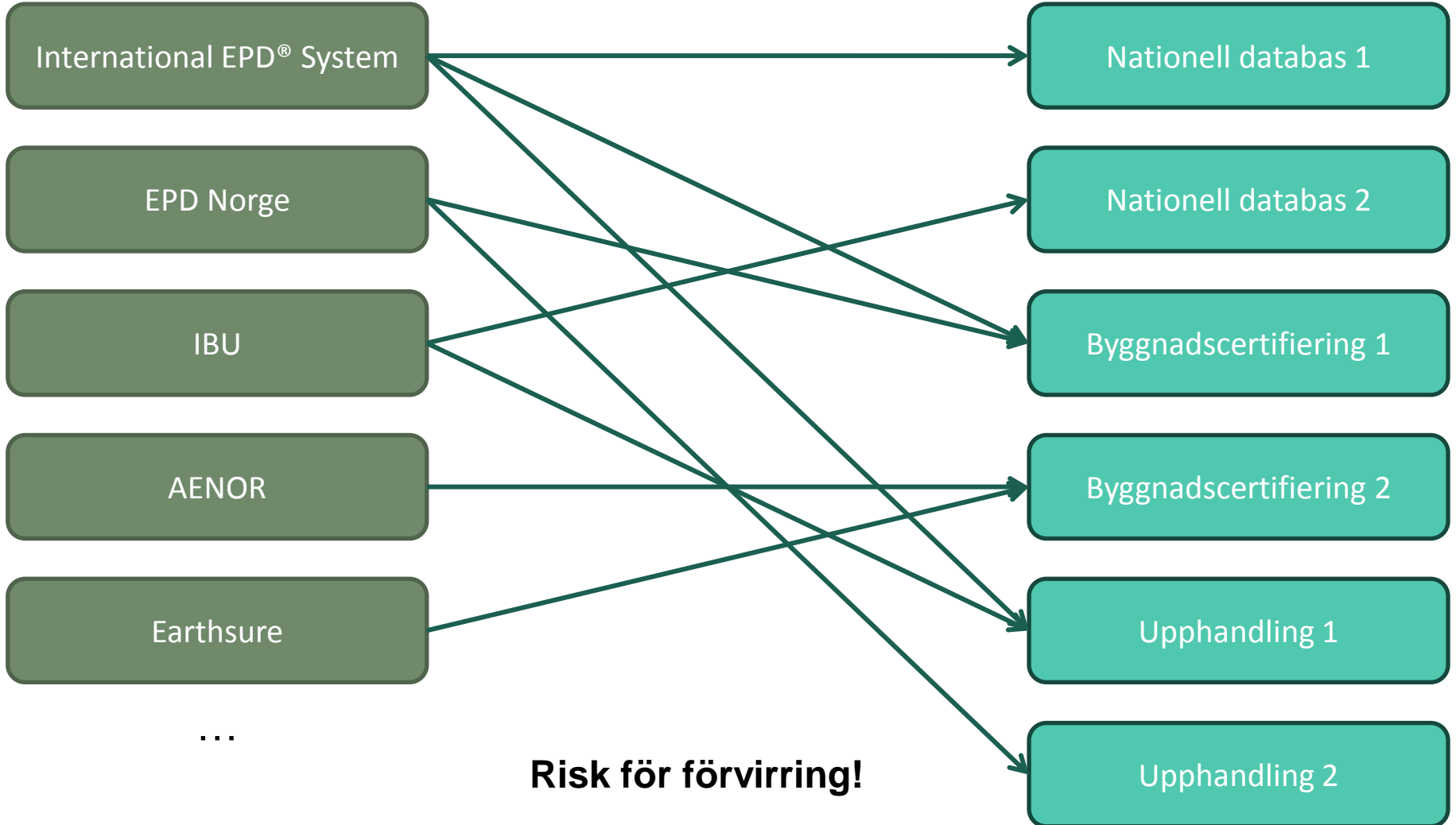
Earthsure

Upphandling 1

...

Upphandling 2

Risk för förvirring!



Harmonisering uppmuntras

*”Harmonization of general programme instructions and particularly product category rules (PCR) are encouraged between programmes to meet the principle of comparability. (...) programme operators are encouraged to **work cooperatively** to achieve harmonization of the programmes and to develop mutual recognition agreements”*

— ISO 14025

A decorative grid pattern consisting of small, light green squares arranged in a regular grid, located at the bottom of the slide.

Mutual recognition agreements



- IBU (Germany)



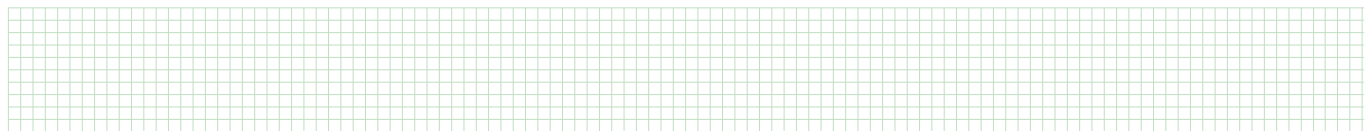
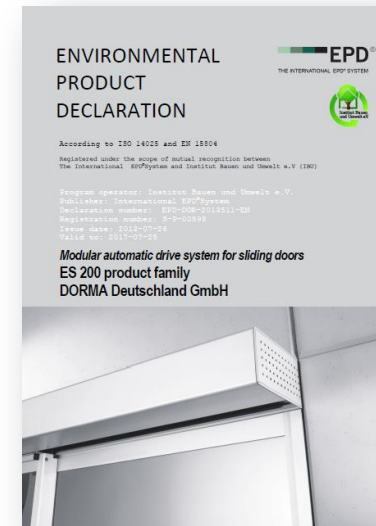
- AENOR (Spain)



- Earthsure (USA)




- EPD Norge





LIGHT GAUGE STEEL PROFILES
AND ASSEMBLY PRODUCTS


Environmental Product Declaration
EPD
v05




September 2015


ENVIRONMENTAL PRODUCT DECLARATION
in accordance with ISO 14025, ISO 21930 and EN 15804

Owner of the declaration	Europrofil AB
Program operator	EPD International AB
Publisher	EPD International AB
Declaration number	S-P-00037
ECO EPD Ref.No.	0000043
Issue date	2015-09-15
Valid to	2020-09-15

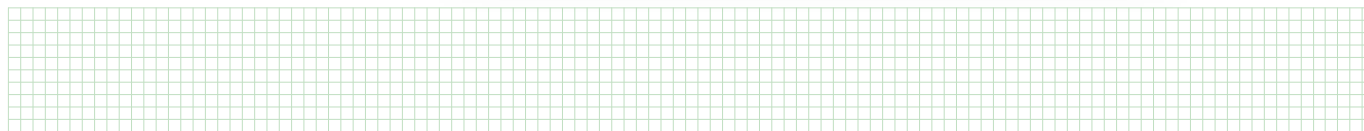


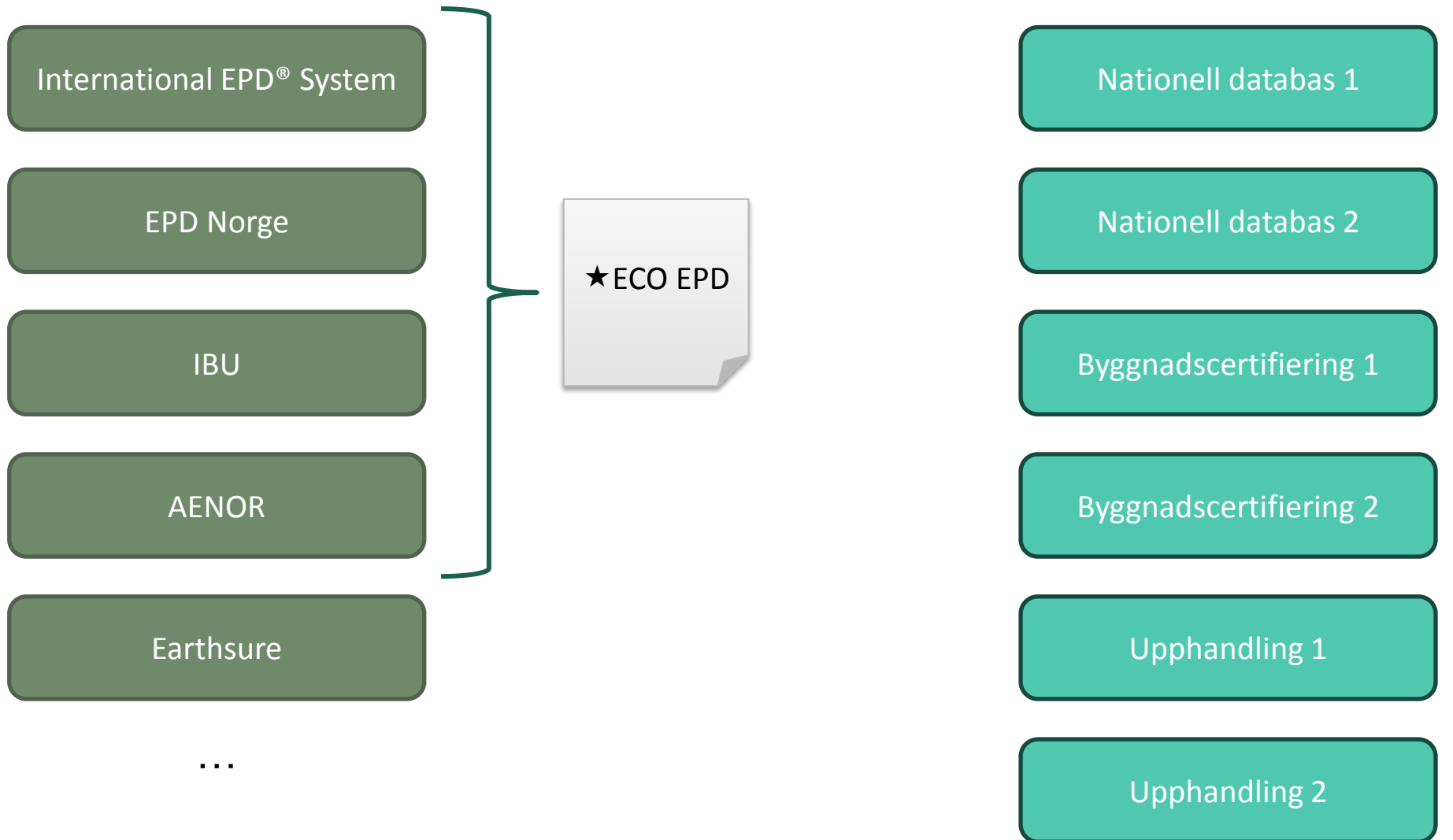
THE INTERNATIONAL EPD SYSTEM

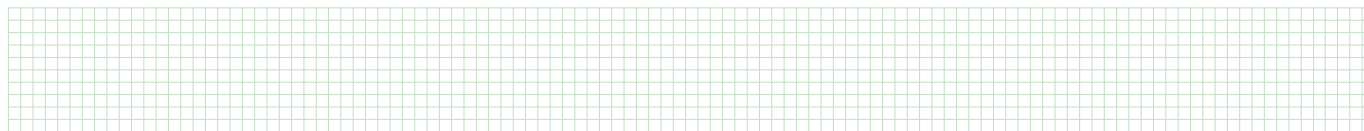
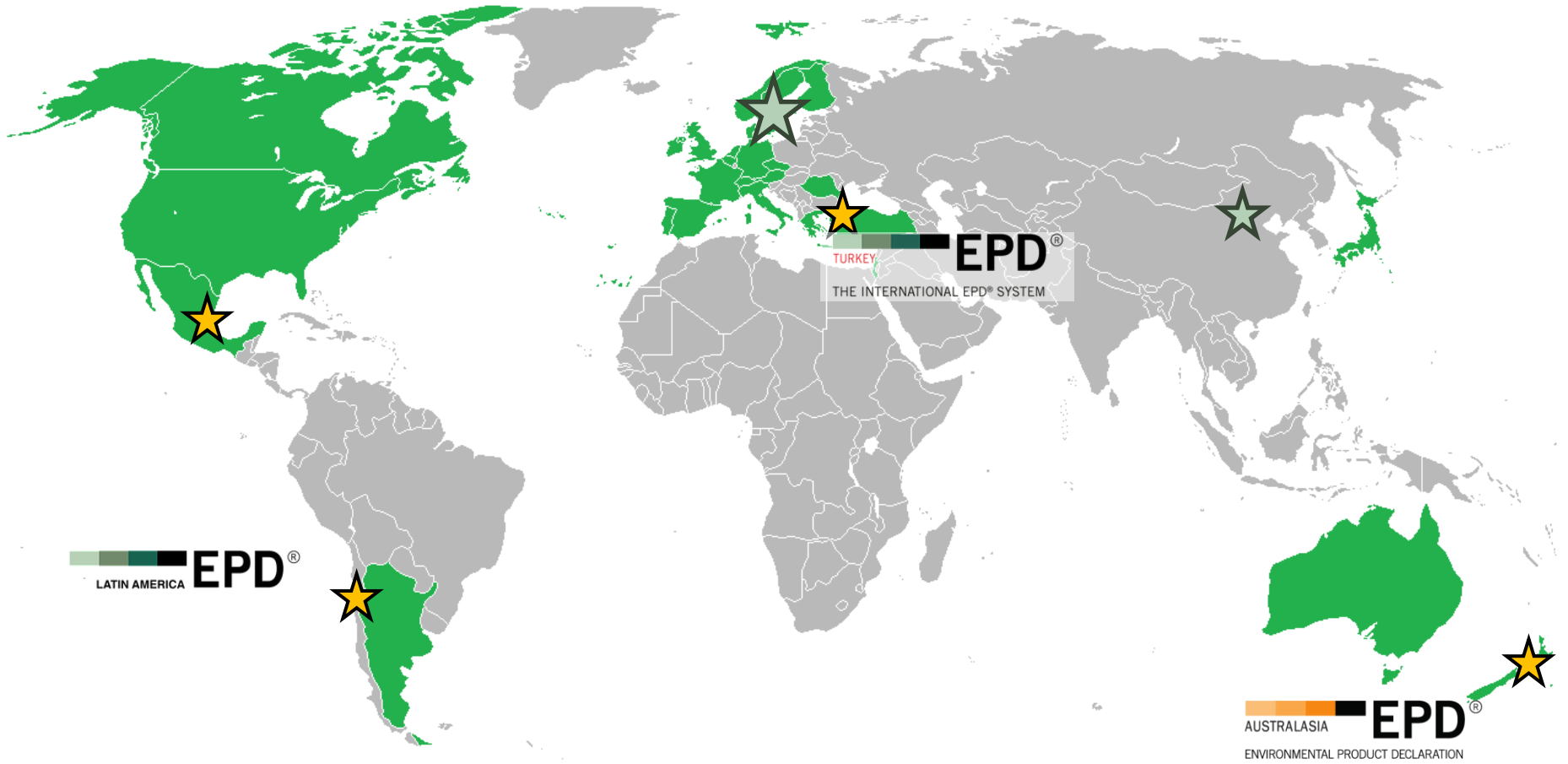




making room for tomorrow

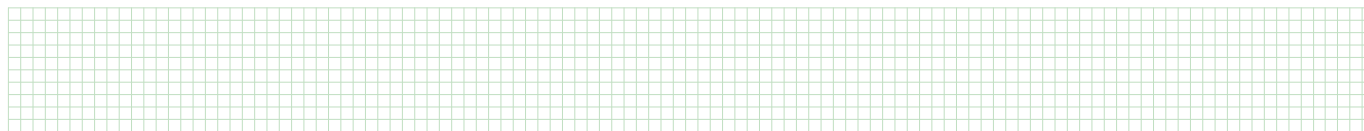






PCR-harmonisering

- Lista över PCR-initiativ på www.environdec.com
- MR-avtal och regionala samarbetspartners
- Deltar i PEFCR-arbetet
- Deltar i PCR-utveckling hos andra programoperatörer
- Deltar i standardisering som ISO/DTS 14027.



Tack för uppmärksamheten!

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www.environdec.com



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