



# Supply Base Report: The Danish Nature Agency

Re-assessment

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## Completed in accordance with the Supply Base Report Template Version 1.4

*For further information on the SBP Framework and to view the full set of documentation see [www.sbp-cert.org](http://www.sbp-cert.org)*

### *Document history*

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# 1 Overview

**Producer name:** The Danish Nature Agency

**Producer address:** Førstballevej 2, DK-7183 Randbøl, Denmark

**SBP Certificate Code:** SBP-05-06

**Geographic position:** 55.707000, 9.275100

**Primary contact:** Andreas Holten Sejbjerg, N/A,aholt@nst.dk

**Company website:** www.naturstyrelsen.dk

**Date report finalised:** 15 Apr 2021

**Close of last CB audit:** 15 Apr 2021

**Name of CB:** DNV GL Business Assurance Finland Oy Ab

**SBP Standard(s) used:** SBP Standard 2: Verification of SBP-compliant Feedstock, SBP Standard 4: Chain of Custody, SBP Standard 5: Collection and Communication of Data Instruction, Instruction Document 5E: Collection and Communication of Energy and Carbon Data 1.4

**Weblink to Standard(s) used:** <https://sbp-cert.org/documents/standards-documents/standards>

**SBP Endorsed Regional Risk Assessment:** N/A

**Weblink to SBR on Company website:** N/A

## Indicate how the current evaluation fits within the cycle of Supply Base Evaluations

Main (Initial) Evaluation	First Surveillance	Second Surveillance	Third Surveillance	Fourth Surveillance	Re-assessment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## 2 Description of the Supply Base

### 2.1 General description

**Feedstock types:** Primary

**Includes Supply Base evaluation (SBE):** No

**Feedstock origin (countries):** Denmark

### 2.2 Description of countries included in the Supply Base

**Country:**Denmark

**Area/Region:** Europe

**Exclusions:** No

#### Danish forest area

According to Statistics Denmark (2019) the forest cover in Denmark is 633.353 ha which is equal to app. 14,7 % of the total land area and the forest area is increasing. A total of app. 75% of the forest area is under private ownership while 25% is managed by public organizations. There are many small forest owners (less than 20 ha), but the main part (more than 50%) of the forest area is owned by larger forest owner >250 ha.

#### Forest Area Denmark 2016

Total forest area	633.353 ha
Broadleaves	43 %
Conifers	36 %
Mixtures of broadleaves and conifers	10 %
Christmas trees and greenery	5 %
Unstocked	2 %
Temporarily unstocked	3 %

Table 1. Forest cover in Denmark (Thomas Nord-Larsen et al.2019)

<b>Ownership</b>	<b>%</b>
Private forest	56
Private companies	15

Foundations	4
State forest	18
Other state owned	1
Other public forest	4
Unknown	2
Total	100

Table 2. Forest ownership (Thomas Nord-Larsen et al.2019)

Forestry farms sizes in Denmark	2016	%	
All forestry farms	23974	100	
Farms with 0,5-19,9 hectare forestry	20007	83	
Farms with 20,0-49,9 hectare forestry	2463	10	
Farms with 50,0-99,9 hectare forestry	706	3	
Farms with 100,0-249,9 hectare forestry	417	1,6	
Farms with 250,0-499,9 hectare forestry	192	0,6	
Farms with 500,0 hectare forestry and over	190	0,6	

Table 3. Forest ownership distributed on forest size (Thomas Nord-Larsen et al.2019)

The standing volume is app. 137 mio m<sup>3</sup> which is equal to 216 m<sup>3</sup>/ha. Broadleaves account for 57 % and conifers for 43 % of the standing volume. Standing volume has increased for many years due to an increasing forest area, and properly also an increase in standing volume/ ha.

The total gross factorial income for forest products is app, 1 billion Danish Kroner (app. 133 mio euro). In 2015 the production of energy wood accounted for 300 mio Danish Kroner.

More than 85% of the Danish forest area is protected under the Danish forest legislation. Certain forest habitats are also protected under Nature 2000 legislation.

### **The Supply-base: State forest managed by the Danish Nature Agency**

The Danish Nature Agency manages forest and nature areas owned by The Ministry of Food and Environment and only supply wood chips from these areas. The areas are managed in a holistic approach, where respect for nature protection, outdoor recreation, cultural history, production, etc. are all rated highly. However there is a special emphasis on nature protection and support of outdoor opportunities.

The total FSC certified area is 203.725 ha, while the PEFC certified and SBP compliant area is 204.898 ha.

The forest management is certified according to PEFC og FSCs standards for responsible forest management. Only a limited area is excluded from the certificates:

Certificate	Areas excluded	Area excluded (ha)
PEFC	Farmland, camping grounds, golf courts , nurseries, special project areas	4.339
FSC	Farmland, camping grounds, golf courts , nurseries, special project areas, christmas tree areas	5.504
SBP	Farmland, camping grounds, golf courts , nurseries, special project areas	4.339

Table 4. List over areas excluded from certificates.

The Danish Nature Agency manages the forest according to principles for Nature Based Management. The means that clear felling in general is not used although exceptions can occur.

Beech	Oak	Ash and mapple	Other broadleaves	Spruce	Noble fir	Mountain pine	Other conifers	Forest areas	Open nature areas	Other areas e.g. roads	Total
21589	16281	2420	5464	30405	6566	6764	17503	106997	81586	15688	204272

## 2.3 Actions taken to promote certification amongst feedstock supplier

The Danish Nature Agency is sourcing the feedstock from own areas, which is chipped and sold as SBP compliant biomass. Only in connection with nature projects where neighbor areas are included, there may be woodchips from outside The Danish Nature Agency's ownership. Woodchip from outside The Danish Nature Agency's ownership is not and will not be claimed as SBP compliant. Areas managed by The Danish Nature Agency are certified against PEFC as well as FSC forest management standards. Furthermore, The Danish Nature Agency is participating in certification standard setting processes

## 2.4 Quantification of the Supply Base

## Supply Base

- a. **Total Supply Base area (million ha):** 205000,00
- b. **Tenure by type (million ha):**0.21 (Public)
- c. **Forest by type (million ha):**0.21 (Temperate)
- d. **Forest by management type (million ha):**0.21 (Managed natural)
- e. **Certified forest by scheme (million ha):**0.20 (FSC), 0.21 (PEFC)

**Describe the harvesting type which best describes how your material is sourced:** Thinning

**Explanation:** The Danish Nature Agency only use clear fellings to a limited extend. A clear felling is a restricted coherent forest areas where all the trees are cut down at the same time. Instead the forest management is based on principles for nature based forest management. Nature Based forest management aims to build stable forests that are rejuvenating naturally, and where forest climate is maintained. Forests will consist of locally adapted and especially native species and the forest will be characterized by high variation in age and species composition. In the management of state forest there is a focus on providing dead wood, natural hydrology, protect and provide key habitats and create recreational values. Furthermore, there is ban on the use of pesticides in the state's forests. The total wood chip production represents around 200,000 tonnes annually. The chips are preferably provided in connection with the initial thinning, and as a byproduct in later fellings. Thinnings from low grade stemwood 127.409 tons (2019 numbers). From the first thinnings where trees are cut down using a feller/- buncher. Wood chip are the only product from these operations. Chipping is carried out in the stand and the chips are transported to the power plant or to a storage. Some of the wood chip also come from nature projects (For example clearing of heath). Treetops from thinnings: 67.350 tons (2019 numbers).Treetops from harvesting mid age or older deciduous trees are chipped. Treetops are stacked and chipped at roadside. Other trees from parks and landscapes: 1791 tons (2019 numbers) Is produced as a product from landscape clearing as part of the open nature management. The wood chip is low quality wood which cannot be used for high quality products. The products are harvested using a harvester forwarded to road side, from where it is chipped along the roadside and transported to the power plant.

**Was the forest in the Supply Base managed for a purpose other than for energy markets?** Yes - Majority

**Explanation:** N/A

**For the forests in the Supply Base, is there an intention to retain, restock or encourage natural regeneration within 5 years of felling?** Yes - Majority

**Explanation:** N/A

**Was the feedstock used in the biomass removed from a forest as part of a pest/disease control measure or a salvage operation?** No

**Explanation:** N/A

## Feedstock

**Reporting period from:** 01 Jan 2020

**Reporting period to:** 31 Dec 2020

- a. **Total volume of Feedstock:** 200,000-400,000 m<sup>3</sup>
- b. **Volume of primary feedstock:** 200,000-400,000 m<sup>3</sup>
- c. **List percentage of primary feedstock, by the following categories.**



- Certified to an SBP-approved Forest Management Scheme: 80% - 100%
  - Not certified to an SBP-approved Forest Management Scheme: 0%
- d. List of all the species in primary feedstock, including scientific name:** Abies procera (Noble fir spp); Larix spp (Larch spp); Picea spp (Spruce spp); Pinus spp (Pine spp); Pseudotsuga menziesii (Douglas fir); Thuja plicata (Thuja); Tsuga heterophylla (Tsuga); Acer pseudoplatanus (Mapple); Betula pendula (Birch); Fagus sylvatica (Beech); Fraxinus excelsior (Ash); Populus spp (Popple Spp); Prunus avium (Cherry); Quercus robur (Oak); Salix cinerea (Willow); Sorbus intermedia (Rowan); Quercus petraea (Oak); Abies alba (European silver fir);
- e. Is any of the feedstock used likely to have come from protected or threatened species?** No
- Name of species: N/A
  - Biomass proportion, by weight, that is likely to be composed of that species (%): N/A
- f. Hardwood (i.e. broadleaf trees): specify proportion of biomass from (%):** 35,00
- g. Softwood (i.e. coniferous trees): specify proportion of biomass from (%):** 65,00
- h. Proportion of biomass composed of or derived from saw logs (%):** 0,00
- i. Specify the local regulations or industry standards that define saw logs:** N/A
- j. Roundwood from final fellings from forests with > 40 yr rotation times - Average % volume of fellings delivered to BP (%):** 100,00
- k. Volume of primary feedstock from primary forest:** 0 N/A
- l. List percentage of primary feedstock from primary forest, by the following categories. Subdivide by SBP-approved Forest Management Schemes:**
- Primary feedstock from primary forest certified to an SBP-approved Forest Management Scheme: N/A
  - Primary feedstock from primary forest not certified to an SBP-approved Forest Management Scheme: N/A
- m. Volume of secondary feedstock:** 0 m3
- Physical form of the feedstock: Chips
- n. Volume of tertiary feedstock:** 0 N/A
- Physical form of the feedstock: N/A

Proportion of feedstock sourced per type of claim during the reporting period				
Feedstock type	Sourced by using Supply Base Evaluation (SBE) %	FSC %	PEFC %	SFI %
Primary	0,00	50,00	50,00	0,00
Secondary	0,00	0,00	0,00	0,00
Tertiary	0,00	0,00	0,00	0,00
Other	0,00	0,00	0,00	0,00

### 3 Requirement for a Supply Base Evaluation

Is Supply Base Evaluation (SBE) is completed? No

N/A

## 4 Supply Base Evaluation

### 4.1 Scope

**Feedstock types included in SBE:** N/A

**SBP-endorsed Regional Risk Assessments used:** N/A

**List of countries and regions included in the SBE:**

**Country:** N/A

**Indicator with specified risk in the risk assessment used:**  
N/A

**Specific risk description:**

### 4.2 Justification

N/A

### 4.3 Results of risk assessment and Supplier Verification Programme

N/A

### 4.4 Conclusion

N/A

# 5 Supply Base Evaluation process

N/A

## **6 Stakeholder consultation**

N/A

### **6.1 Response to stakeholder comments**

N/A

## **7 Mitigation measures**

### **7.1 Mitigation measures**

N/A

### **7.2 Monitoring and outcomes**

N/A

## 8 Detailed findings for indicators

Detailed findings for each Indicator are given in Annex 1 in case the Regional Risk Assessment (RRA) is not used.

**Is RRA used?** N/A

## **9 Review of report**

### **9.1 Peer review**

N/A

### **9.2 Public or additional reviews**

N/A



## 10 Approval of report

Approval of Supply Base Report by senior management			
Report Prepared by:	Per Lynge Jensen	Team manager	15 Apr 2021
	Name	Title	Date
<p>The undersigned persons confirm that I/we are members of the organisation's senior management and do hereby affirm that the contents of this evaluation report were duly acknowledged by senior management as being accurate prior to approval and finalisation of the report.</p>			
Report approved by:	Per Lynge Jensen	Team manager	15 Apr 2021
	Name	Title	Date

# **Annex 1: Detailed findings for Supply Base Evaluation indicators**

N/A