



Knowledge and Technologies for Effective Wood Procurement

Deliverable 6.13 Danish Efficiency Portal

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1 Introduction

Fully mechanized harvesting systems such as Harvesters and Forwarders collect lots of data using a global standard (standard for forest data – StanForD). A new efficiency portal for the forest sector, called “Silvismart”, digitalises the dataflow from forest operations and transforms machine-captured data into business intelligence and decision support. Silvismart is the entry point into the world of productivity, information and advice on how to continually improve the efficiency of operations. To facilitate the access to the global portal, national portals are required, where potential users can get information and support in their national language.

The Danish national efficiency portal is now available online at: www.silvismart.dk. The website ensures that potential users get all the information about the efficiency portal they need. Until project end participating users can use the portal for free and bring in their concerns, needs and suggestions to improve the global efficiency portal. This report gives an actual overview about the Danish national efficiency portal and explains in detail the functionalities of the website. As website maintenance is an ongoing process, the website will be constantly updated and improved.

2 Danish National Efficiency Portal

Silvismart collects StanForD files and is designed around one universal system, which maintains and updates the actual database that stores the data, reads the data from the incoming files, and updates and develops the actual analysis and reporting tools available in the system. Having one universal system ensures very low development and maintenance costs for the individual countries and organizations that use the system.

The national Silvismart portals serve as access points to the global Silvismart system. The host of the national portal is responsible for user support, making the system and tools available in the national language and provides the website that links to the Silvismart system. Further, the national hosts adapt contracts on confidentiality and other restrictions to data use according to national legislation and are essential in ensuring the longer-term sustainability of the Silvismart system, also in terms of generating revenue for covering the costs of maintaining the system.

The national portals and the global Silvismart system are mutually dependent. The global system maintains the database, algorithms, code and analytical tools. The national portals ensure that the system is properly adapted to local interest and conditions and that it is actively used. Now, the website for the Danish national efficiency portal is online. This report gives a short description of the functionalities and the information provided on www.silvismart.dk.

2.1 The Website

The website consists of the following one start page and four sub-pages (Figure 1):

- "Startside" („Start page")
- "Om Silvismart" („About Silvismart")
- "Brugerflader" („User interfaces")
- "Downloads" („Downloads")
- „Kontakt" („Contact")

On these five pages, users are provided with information about Silvismart in a structured way and in Danish language.

2.1.1 Page "Startside" ("Start page")

The page "Startside" is the start page of the website. When you click on one of the logos representing an interface that you want to have access to you are presented with a log-in form. This secures that only persons authorised to handle available data in a specific interface actually are given access (Figure 1).

At the bottom of the start page, as well as on each other page, information about the provider of the website is presented. Additionally, information about the funding and a hyperlink to the "TECH4EFFECT"-project website is provided (Figure 2).

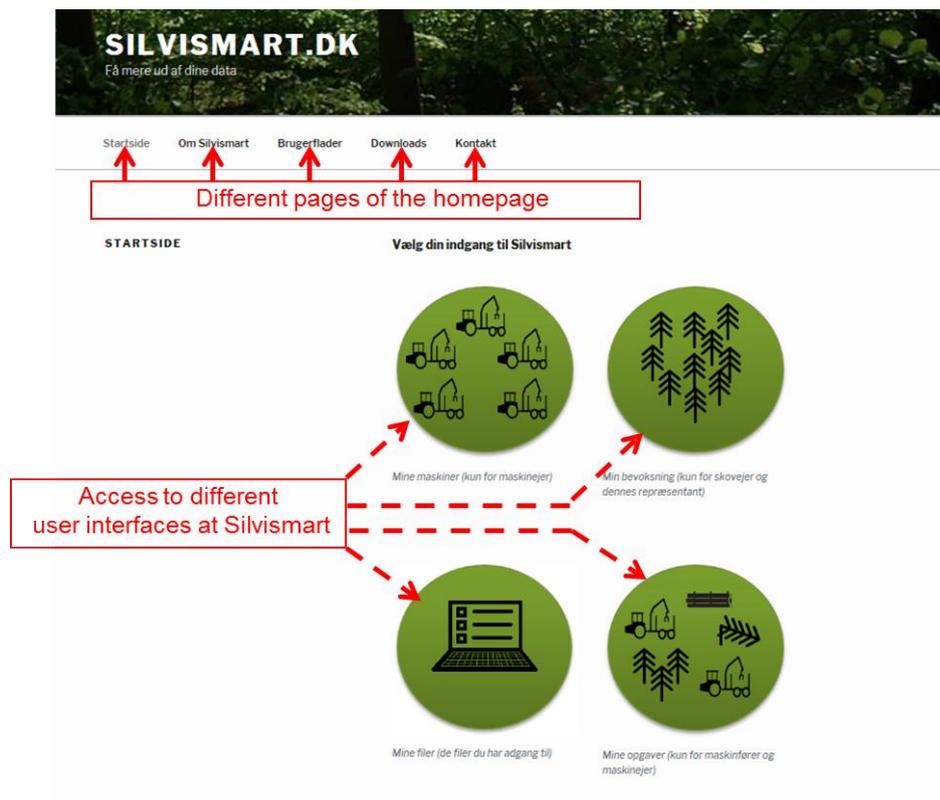


Figure 1: Start page of the website of the Danish national portal.

Link to the TECH4EFFECT website

Denne hjemmeside er en del af projektet TECH4EFFECT, der har modtaget finansiering fra Bio Based Industries Joint Undertaking under EU's Horizon 2020-forsknings- og innovationsprogram under tilskudsaf tale nr. 720757.



Information about the provider of the homepage

Denne hjemmeside er hosted og administreret af Niels Strange, nst(a)ifro.ku.dk

Adresse:

Institut for Fødevarer og Ressourceøkonomi

Rolighedsvej 23

DK-1958 Frederiksberg C

Danmark

Indhold:

Ansvarlig for indholdet af dette websted er Niels Strange, nst(a)ifro.ku.dk

Ansvarsfraskrivelse:

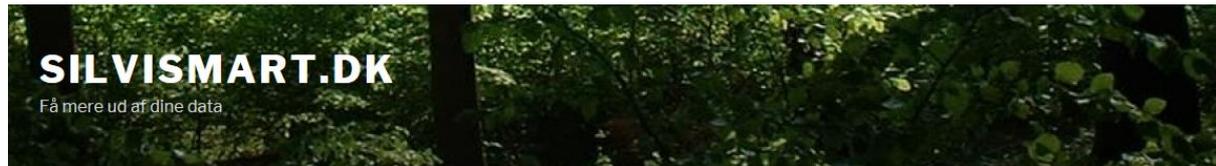
Denne hjemmeside er kun til informationsformål. Der gives ingen garanti for korrektheden og aktualiteten af de leverede oplysninger.

Figure 2: Information about the provider of the website, funding and a link to the TECH4EFFECT website.

2.1.2 Sub-page "Om Silvismart" ("About Silvismart")

General information about Silvismart is provided on the sub-page "Om Silvismart". On the top of this page the functionalities of Silvismart are described in a concise way (Figure 3). Additionally, detailed answer to frequently asked questions (FAQ) about Silvismart are answered below this section:

- Motivation
- Your own personal online coach?
- What exactly is Silvismart?
- What is the global Silvismart system?
- What are the national Silvismart portals?
- How are the national portals connected to the global system?
- How does the data transmission work?
- Who has access to my data?
- Will my data be safe?
- How do I participate?



[Startside](#)
[Om Silvismart](#)
[Brugerflader](#)
[Downloads](#)
[Kontakt](#)

OM SILVISMART

- Hvad er en præstations app
- Gode dage og dårlige dage – hvornår og hvorfor
- En app som din personlige rådgiver og coach
- Hvordan opsamler og nyttiggør en Silvismart data for mig
- Hvem har adgang til (mine) data
- Er (mine) data sikret
- Hvordan kommer jeg igang

Hvad er en præstations app

Det er din indgang til en verden af information om produktivitet og kvalitet. Information om, hvordan du hele tiden kan blive bedre til det du laver. Den bygger på automatisk overførsel af data, som løbende analyseres og viser hvor du har mulighed for at gøre tingene bedre og smartere.

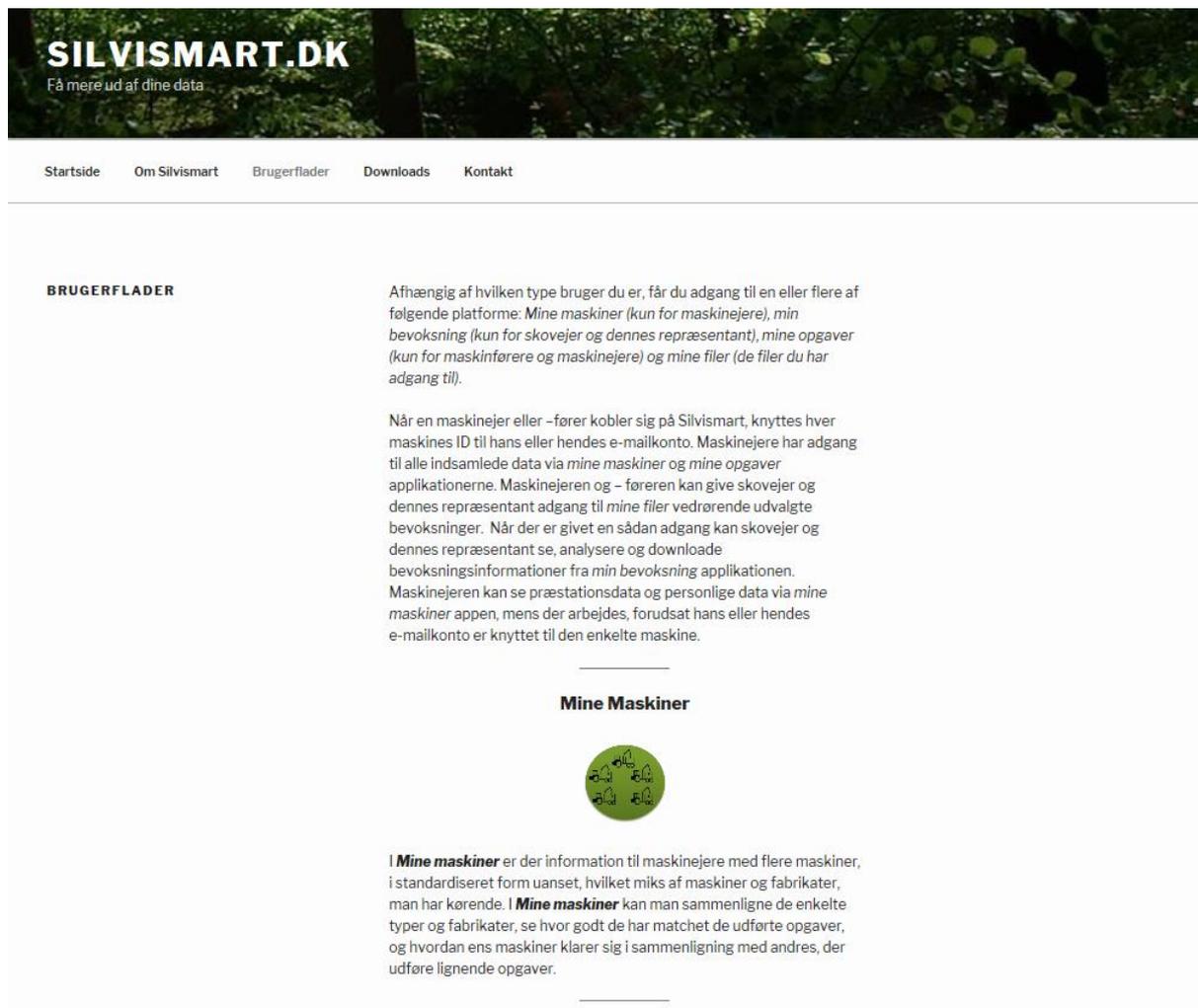
Der holdes styr på dine data, så du ikke mister dem og kan finde dem, når du senere måtte få brug for det. De opsamles som dagens produktion og for den enkelte bevoksning, og kan bruges som afrapportering til arbejdsgiver og baggrund for din betaling. Det er dig, der bestemmer, hvem der har lov til at se hvad, og du behøver ikke skrive noget ud og maile det til nogen bolt give adgang fx ved afslutningen af hver arbejdsdag.

Figure 3: Sub-page "Om Silvismart" ("About Silvismart").

2.1.3 Sub-page “Brugerflader” (“User interfaces”)

As Silvismart is offering different user interfaces, a general description is provided on the sub-page “Brugerflader” (Figure 4) and each user interface is comprehensively explained. At the moment Silvismart offers the following four user interfaces:

- Mine Maskiner → My Fleet
- Min Bevoksning → My Stand
- Min Opgave → My Operation
- Mine Filer → My Files



SILVISMART.DK
Få mere ud af dine data

Startside Om Silvismart Brugerflader Downloads Kontakt

BRUGERFLADER

Afhængig af hvilken type bruger du er, får du adgang til en eller flere af følgende platforme: *Mine maskiner (kun for maskinejere)*, *min bevoksning (kun for skovejer og dennes repræsentant)*, *mine opgaver (kun for maskinførere og maskinejere)* og *mine filer (de filer du har adgang til)*.

Når en maskinejer eller -fører kobler sig på Silvismart, knyttes hver maskines ID til hans eller hendes e-mailkonto. Maskinejere har adgang til alle indsamlede data via *mine maskiner* og *mine opgaver* applikationerne. Maskinejeren og -føreren kan give skovejer og dennes repræsentant adgang til *mine filer* vedrørende udvalgte bevoksninger. Når der er givet en sådan adgang kan skovejer og dennes repræsentant se, analysere og downloade bevoksningsinformationer fra *min bevoksning* applikationen. Maskinejeren kan se præstationsdata og personlige data via *mine maskiner* appen, mens der arbejdes, forudsat hans eller hendes e-mailkonto er knyttet til den enkelte maskine.

Mine Maskiner

I **Mine maskiner** er der information til maskinejere med flere maskiner, i standardiseret form uanset, hvilket miks af maskiner og fabrikater, man har kørende. I **Mine maskiner** kan man sammenligne de enkelte typer og fabrikater, se hvor godt de har matchet de udførte opgaver, og hvordan ens maskiner klarer sig i sammenligning med andres, der udføre lignende opgaver.

Figure 4: Sub-page “Brugerflader” (“User interfaces”).

2.1.4 Sub-page “Downloads” (“Downloads”)

The sub-page “Downloads” offers different resources for download by the user. So far, this includes factsheets about Silvismart as well as a factsheet about “FeltBoks” and “FeltLog”. Upon request of one contractor a small factsheet for machine operators was created, which is now also provided as a download. Additionally, the installation manual for FeltBoks as well as the installation manual for FeltLog can be downloaded (Figure 5).

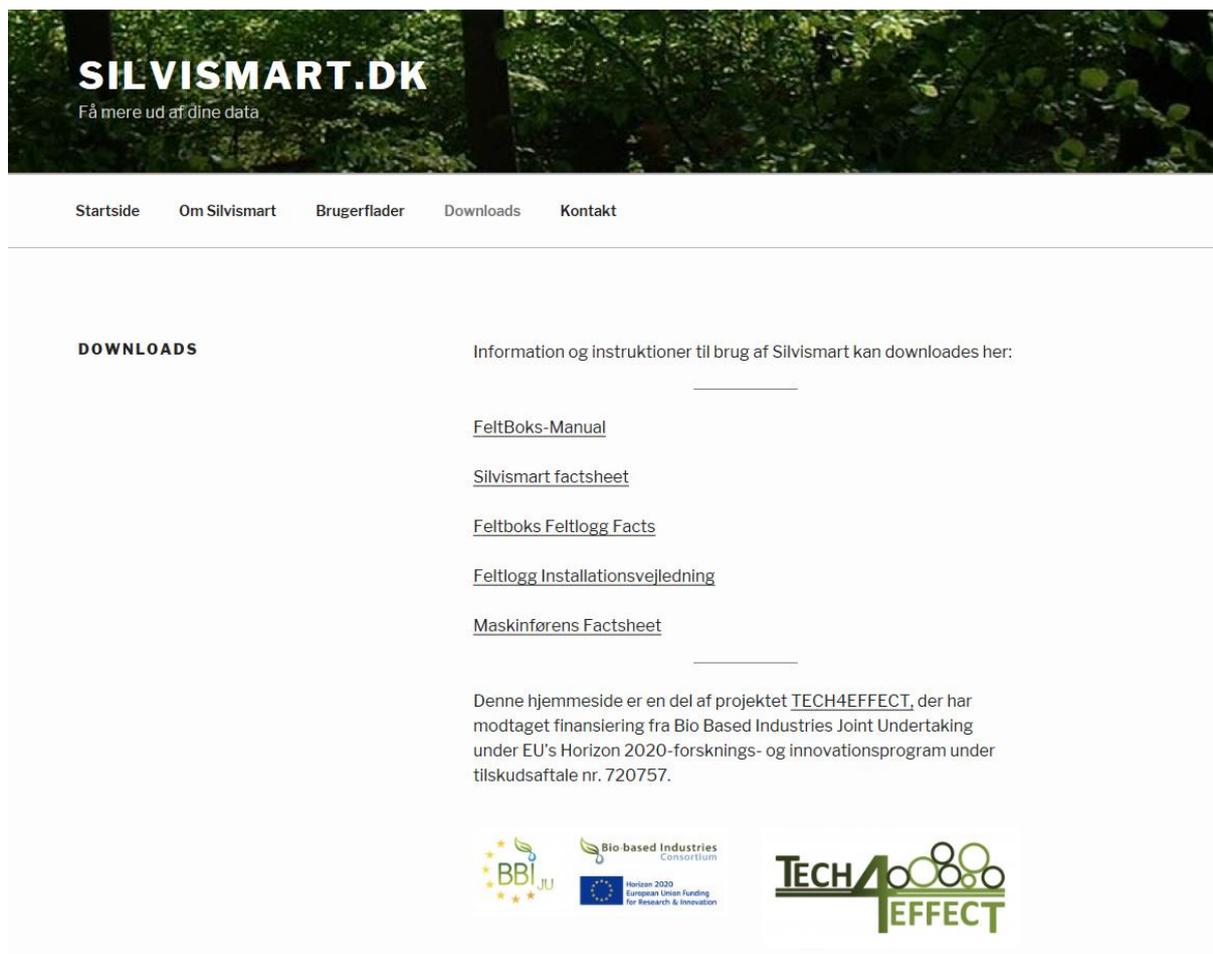


Figure 5: Sub-page “Downloads” (“Downloads”).

2.1.5 Sub-Page “Kontakt” (“Contact”)

The sub-page “Kontakt” enables to get in contact with the national support team (Figure 6). For Denmark the national support team consists of Niels Strange who is working at the Department of Food and Resource Economics at University of Copenhagen.

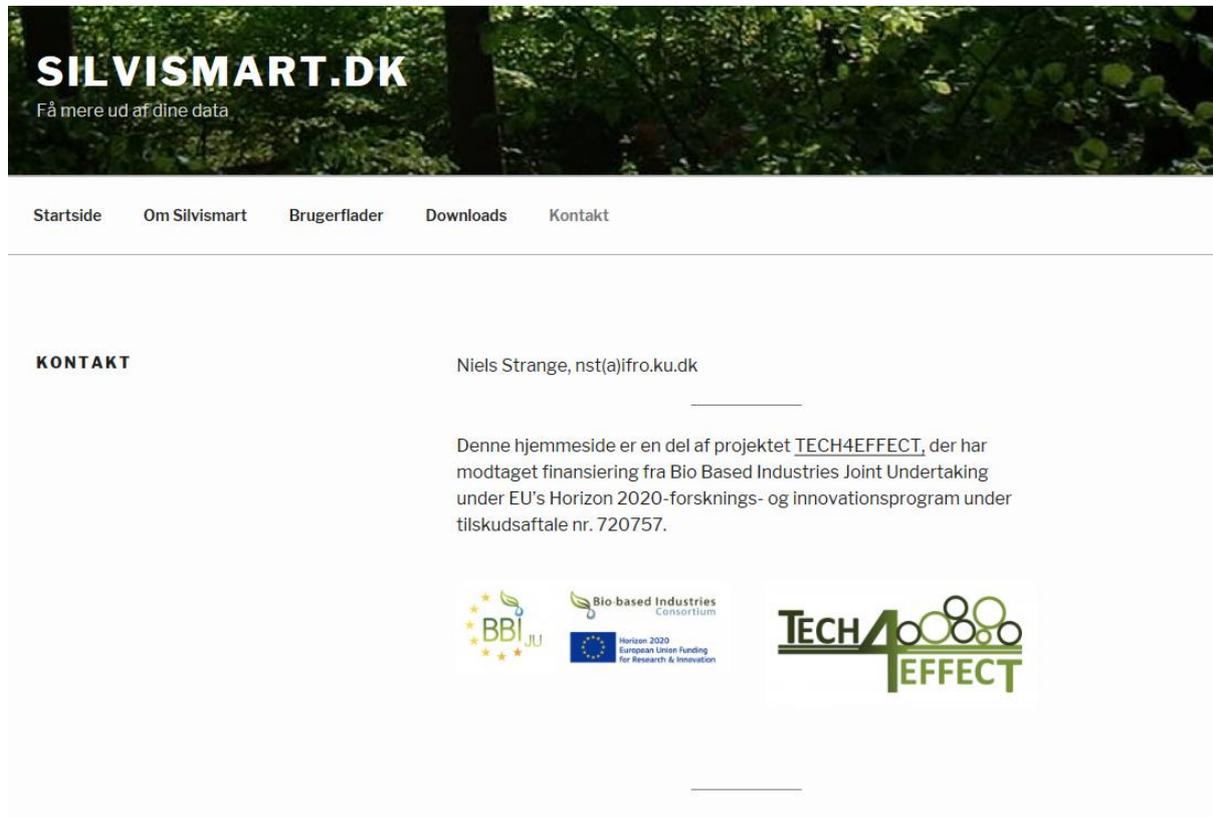


Figure 6: Sub-page “Kontakt” (“Contact”).