



Knowledge and Technologies for Effective Wood Procurement

Deliverable 6.10 Austrian 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”, digitalizes 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 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 Austrian national efficiency portal is now available online at: www.silvismart.at. 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 Austrian 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.

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2 Austrian 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 Austrian national efficiency portal is online. This report gives a short description of the functionalities and the information provided on www.silvismart.at.

2.1 The Website

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

- „Startseite“ („Start page“)
- „Über Silvismart“ („About Silvismart“)
- „Benutzeroberflächen“ („User interfaces“)
- „Downloads“ („Downloads“)
- „Kontakt“ („Contact“)

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

2.1.1 Page “Startseite” (“Start page”)

The page “Startseite” is the start page of the website. On the start page no information about the portal is provided. In order to facilitate fast and easy access to the global portal, a login form is provided on this page, where already registered users can login directly to the desired user interface by clicking on one of the four different logos on the start page (Figure 1). Information for new users is available on the other four sub-pages.

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).

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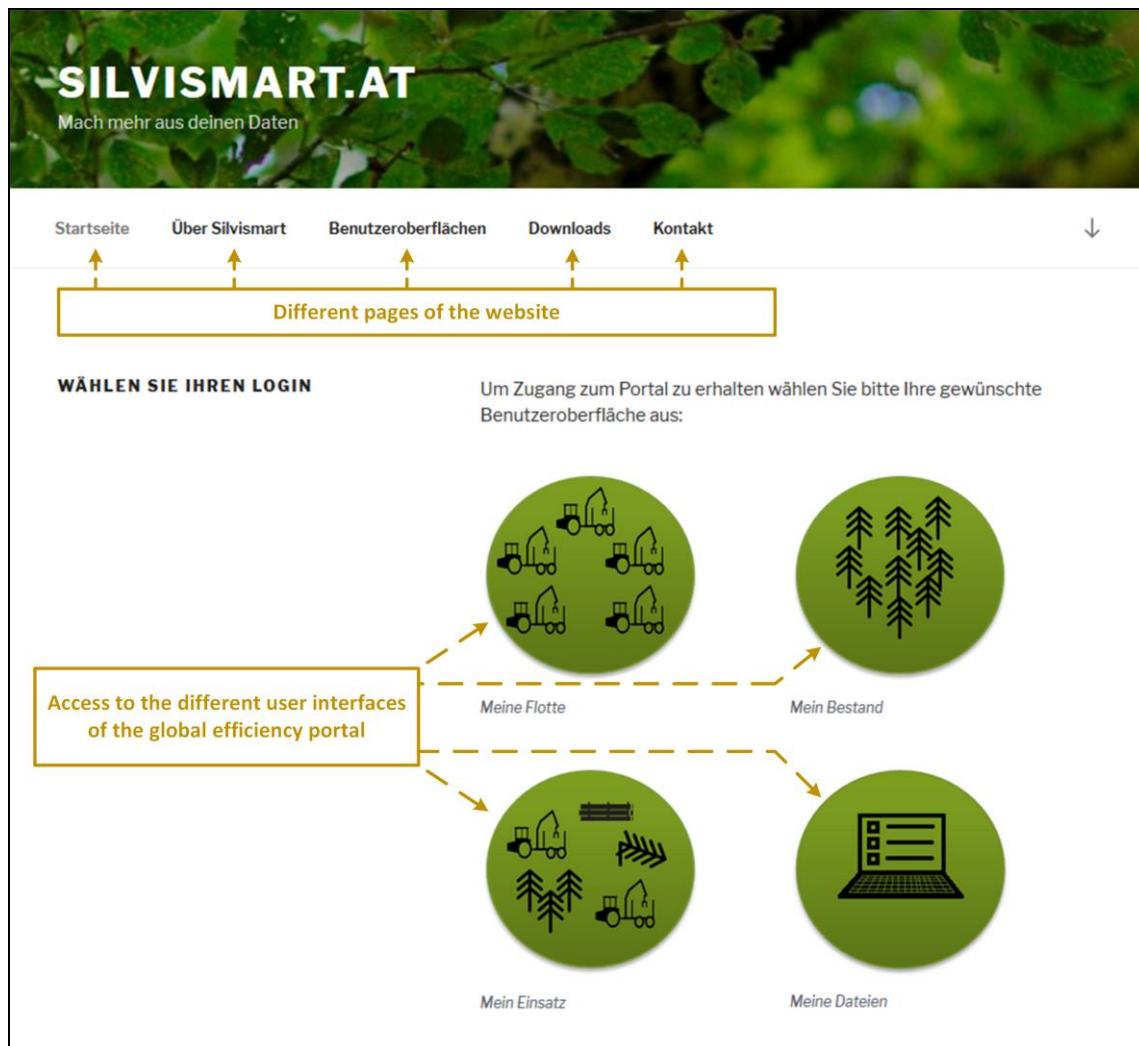


Figure 1: Start page of the website of the Austrian national portal.

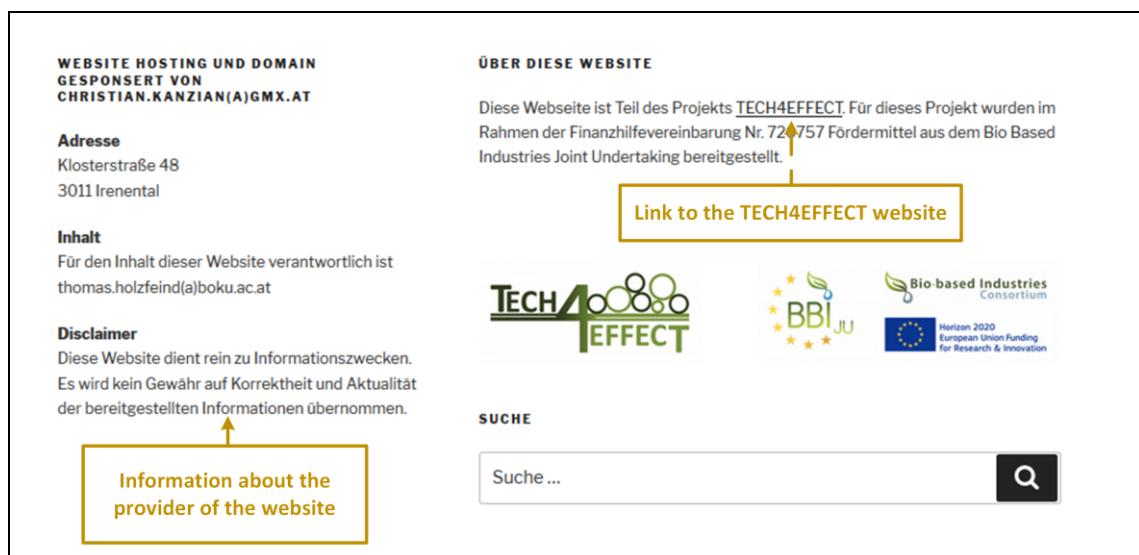


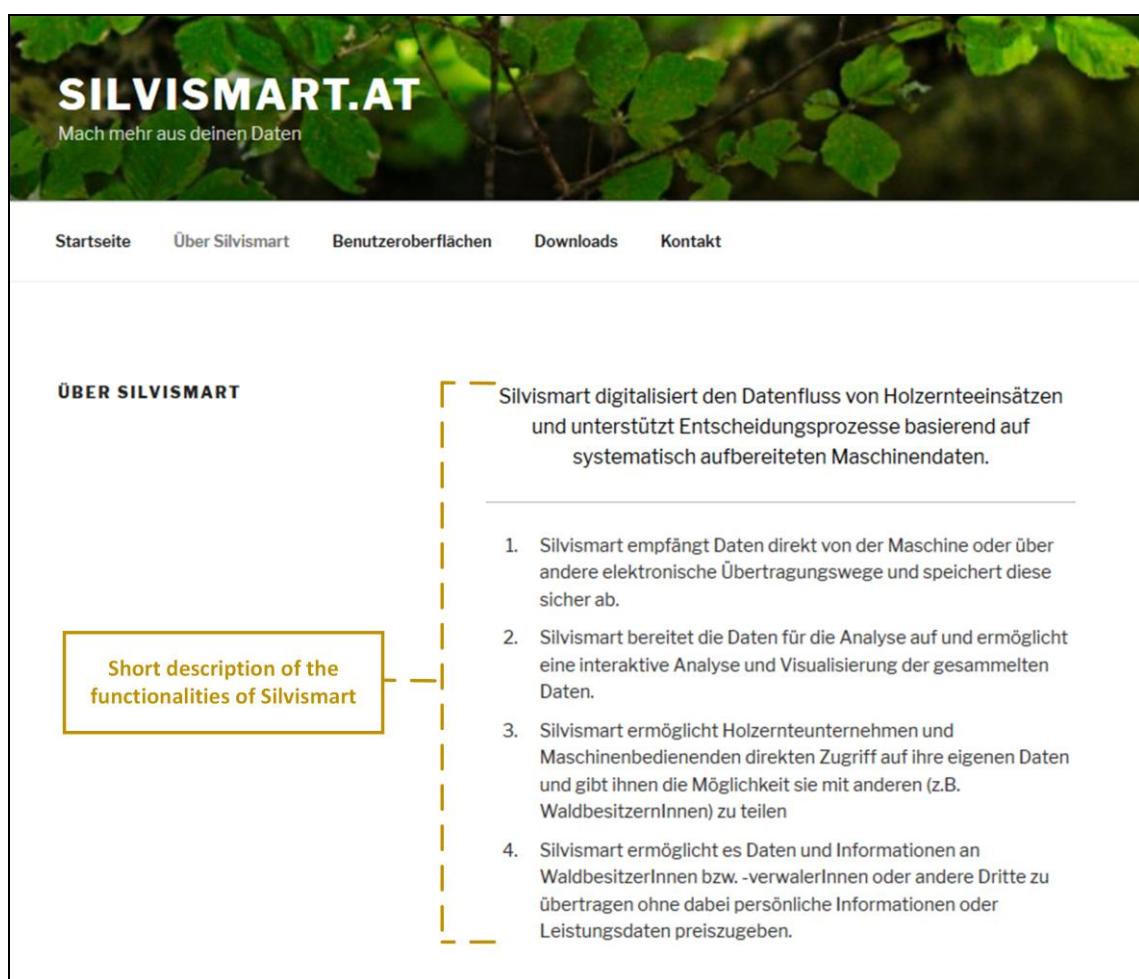
Figure 2: Information about the provider of the website, funding and a link to the TECH4EFFECT website.

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

General information about Silvismart is provided on the sub-page "Über 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?



ÜBER SILVISMART

Short description of the functionalities of Silvismart

Silvismart digitalisiert den Datenfluss von Holzerteeinsätzen und unterstützt Entscheidungsprozesse basierend auf systematisch aufbereiteten Maschinendaten.

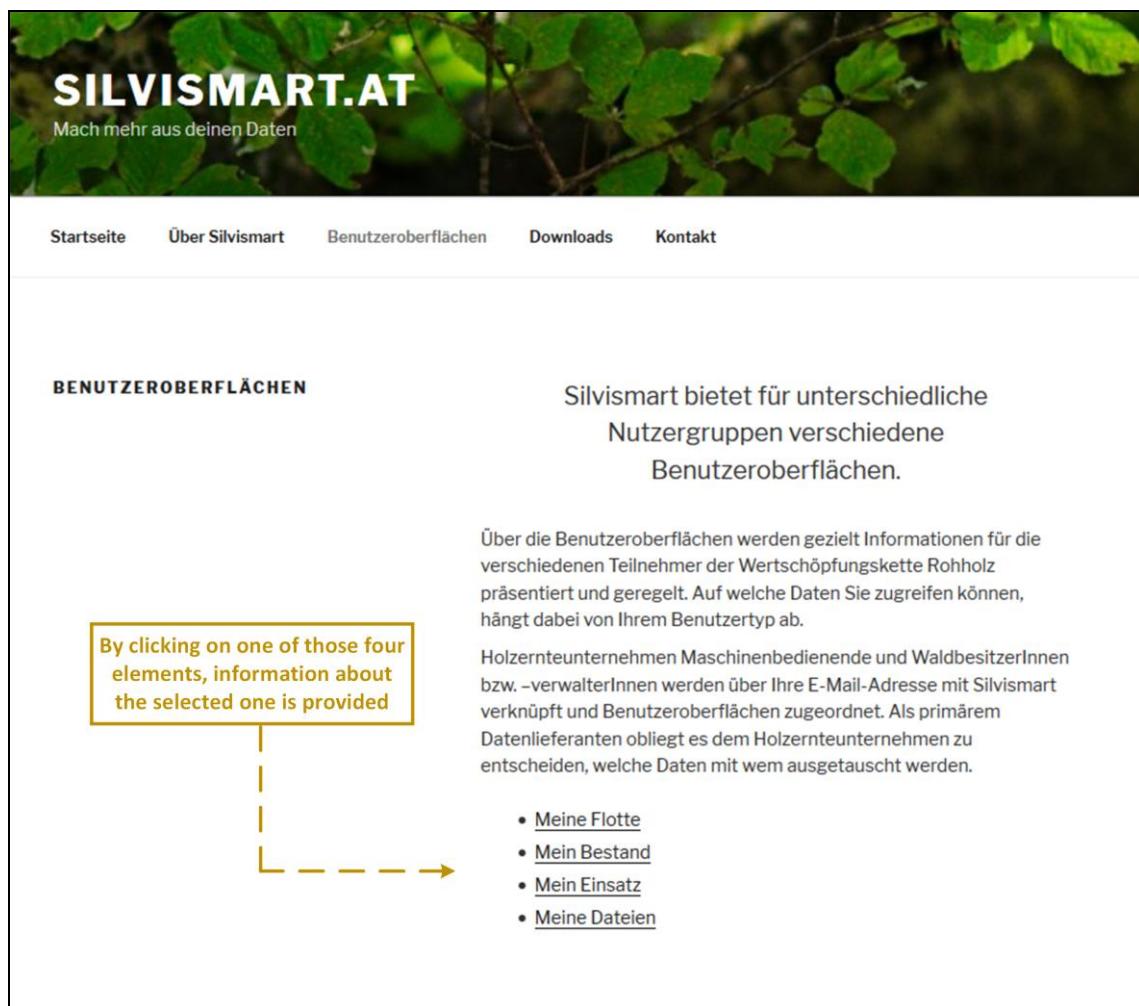
1. Silvismart empfängt Daten direkt von der Maschine oder über andere elektronische Übertragungswege und speichert diese sicher ab.
2. Silvismart bereitet die Daten für die Analyse auf und ermöglicht eine interaktive Analyse und Visualisierung der gesammelten Daten.
3. Silvismart ermöglicht Holzernteunternehmen und Maschinenbedienenden direkten Zugriff auf ihre eigenen Daten und gibt ihnen die Möglichkeit sie mit anderen (z.B. WaldbesitzerInnen) zu teilen
4. Silvismart ermöglicht es Daten und Informationen an WaldbesitzerInnen bzw. -verwalerInnen oder andere Dritte zu übertragen ohne dabei persönliche Informationen oder Leistungsdaten preiszugeben.

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

2.1.3 Sub-page "Benutzeroberflächen" ("User interfaces")

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

- Meine Flotte → My Fleet
- Mein Bestand → My Stand
- Mein Einsatz → My Operation
- Meine Dateien → My Files



SILVISMART.AT
Mach mehr aus deinen Daten

Startseite Über Silvismart Benutzeroberflächen Downloads Kontakt

BENUTZEROBERFLÄCHEN

Silvismart bietet für unterschiedliche Nutzergruppen verschiedene Benutzeroberflächen.

Über die Benutzeroberflächen werden gezielt Informationen für die verschiedenen Teilnehmer der Wertschöpfungskette Rohholz präsentiert und geregelt. Auf welche Daten Sie zugreifen können, hängt dabei von Ihrem Benutzertyp ab.

Holzernteunternehmen Maschinenbedienende und WaldbesitzerInnen bzw. -verwalterInnen werden über Ihre E-Mail-Adresse mit Silvismart verknüpft und Benutzeroberflächen zugeordnet. Als primärem Datenlieferanten obliegt es dem Holzernteunternehmen zu entscheiden, welche Daten mit wem ausgetauscht werden.

By clicking on one of those four elements, information about the selected one is provided

- [Meine Flotte](#)
- [Mein Bestand](#)
- [Mein Einsatz](#)
- [Meine Dateien](#)

Figure 4: Sub-page "Benutzeroberflächen" ("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 download. Additionally, the installation manual for FeltBoks as well as the installation manual for FeltLog can be downloaded (Figure 5).

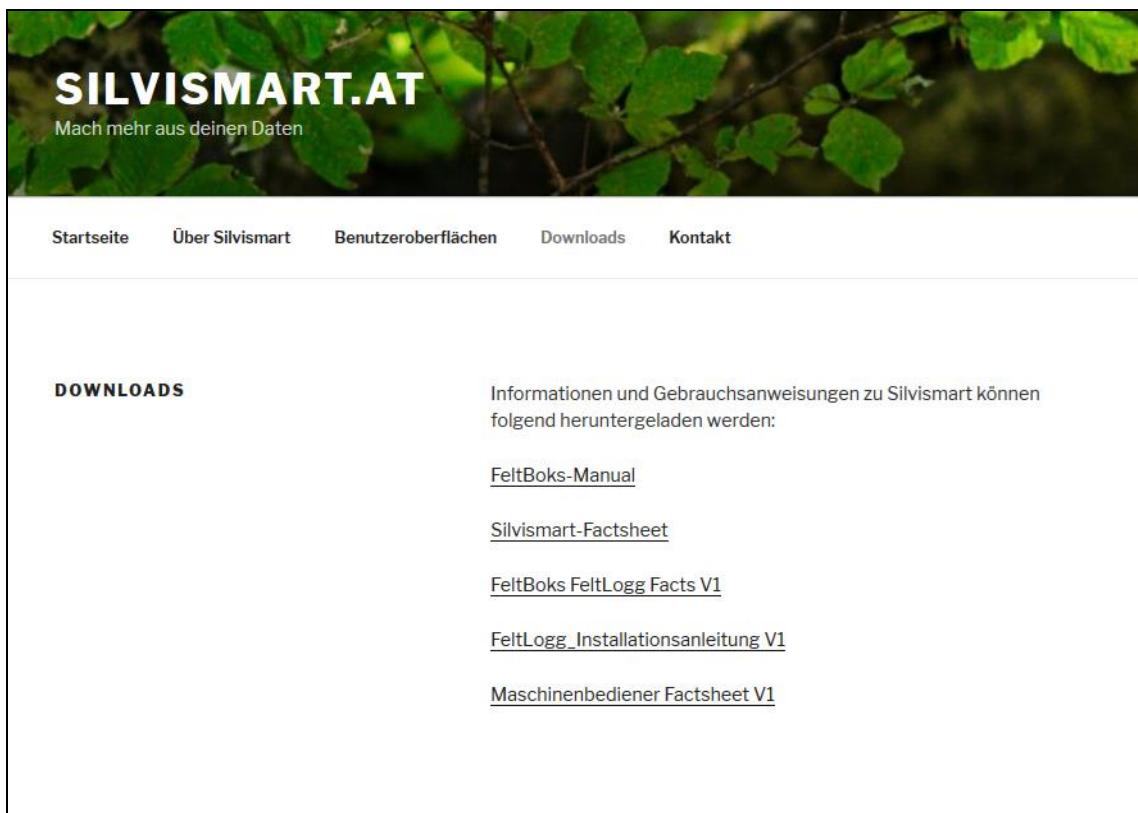


Figure 5: Sub-page “Downloads” (“Downloads”).

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2.1.5 Sub-Page "Kontakt" ("Contact")

The sub-page "Kontakt" enables to get in contact with the national support team (Figure 6). For Austria the national support team consists of Thomas Holzfeind and Christian Kanzian, both working at the Institute of Forest Engineering of the University of Natural Resources and Life Sciences Vienna.

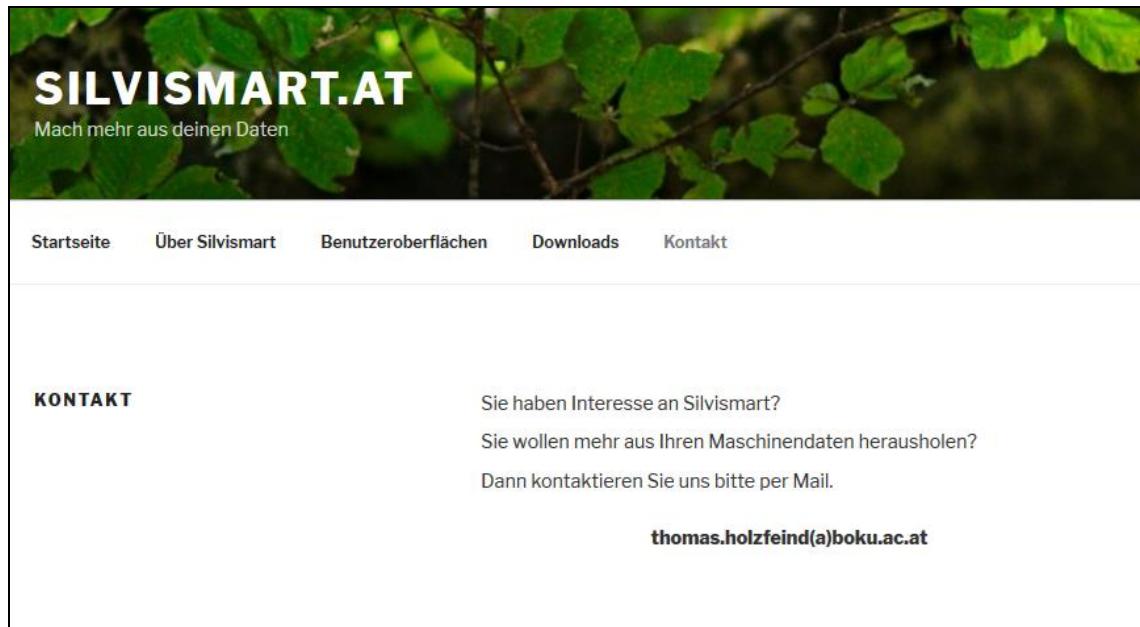


Figure 6: Sub-page "Kontakt" ("Contact").

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