SBWL Supply Networks and Services

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Institute for Transport and Logistics Management

WU WIRTSCHAFTS UNIVERSITÄT WIEN VIENNA UNIVERSITY OF ECONOMICS AND BUSINESS

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Institute for Transport and Logistics Management

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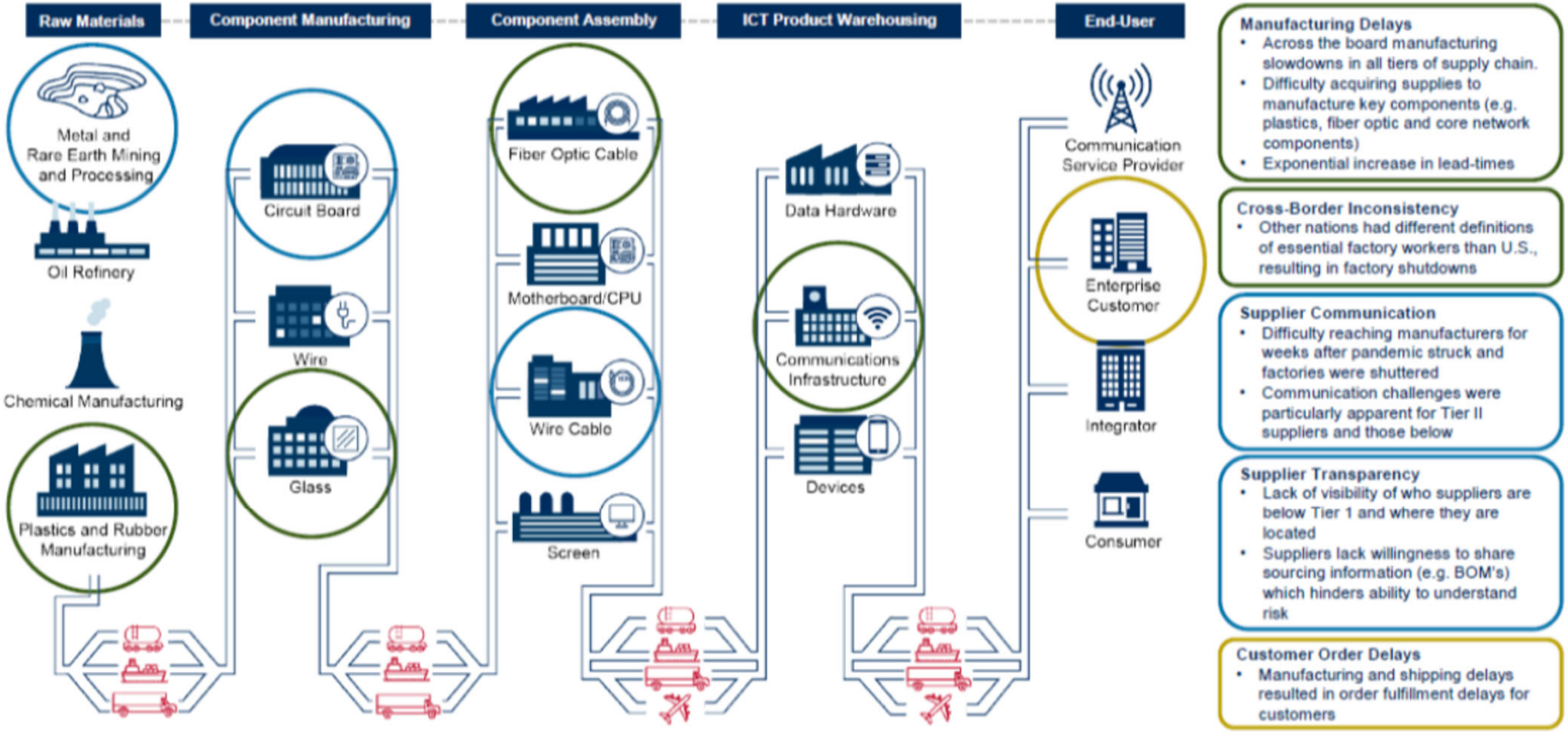
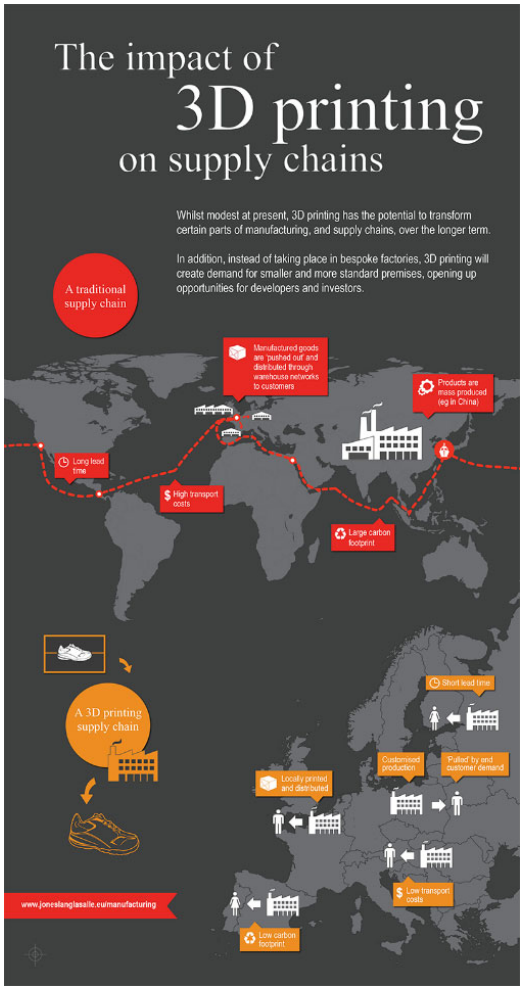
What is a Supply Chain?

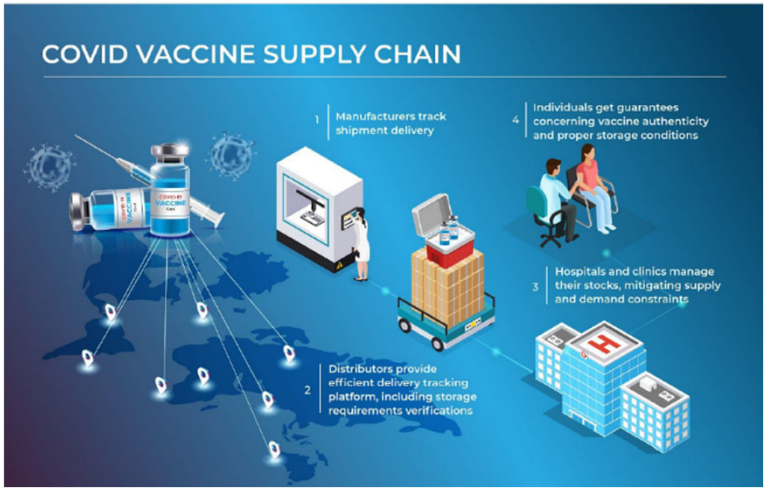
- All stages involved, directly or indirectly, in fulfilling a customer request



Source: Building A More Resilient ICT Supply Chain: Lessons Learned During The COVID-19 Pandemic, ICT Supply Chain Risk Management (SCRM) Task Force's COVID-19 Impact Study Working Group (WG) 2020

Supply Chain Trends and Challenges





REFERENCES: THEBCI.ORG, WEFORUM.ORG, BBC.COM, INDUSTRYWEEK.COM, DREAMSTOCK.COM

SBWL Orientation

- Complexity in supply chains is increasing due to globalization, urbanization, ecological and social challenges.

- The SBWL 'Supply Networks and Services' deals with models and tools to support decision making within companies and NGOs in the field of supply chain management. A specialization in the field of sustainable supply chain management or supply chain management for disaster relief is possible.

- In addition to numerous case studies and practical examples, the SBWL 'Supply Networks and Services' attaches great importance to a research- and method-oriented education of its students.

SBWL Supply Networks and Services

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Course I: Introduction to Supply Chain Management
Course III: Supply Chain Modeling and Design
Course II: Analysis and Optimization of Distribution Networks

Core
First Semester

Course IV: Humanitarian Logistics

Seminar: Humanitarian Logistics

or

Seminar: Project Management

Course IV: Sustainable Logistics

Seminar: Sustainable Logistics

Elective
Second Semester

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International case study competition HUMLOG and international recognition

QS Global Ranking

QS Business Masters Ranking 2023
WU Master in Supply Chain Management
- **Rank 1** in Europe
- Rank 3 globally

International experience and relevance of Supply Chain Management: Networks & Services

Example for Supply Chain Network Design: Location for an energy generation plant

Composting plant

Sewage plant

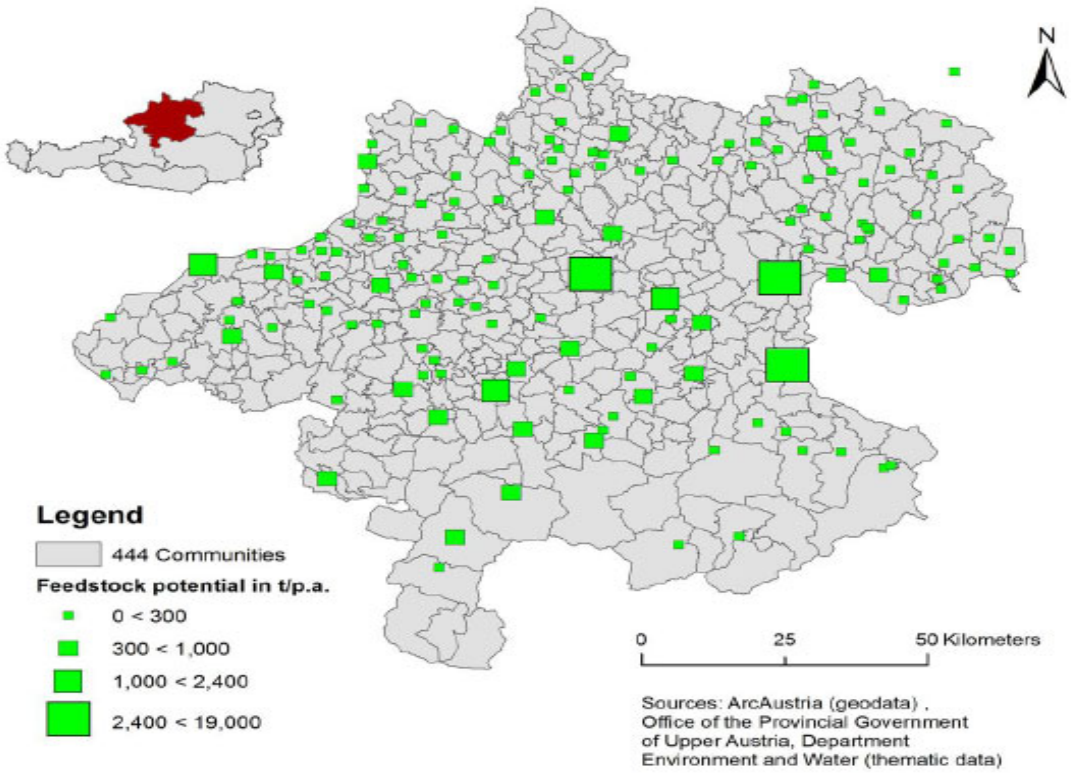
HTC-facility

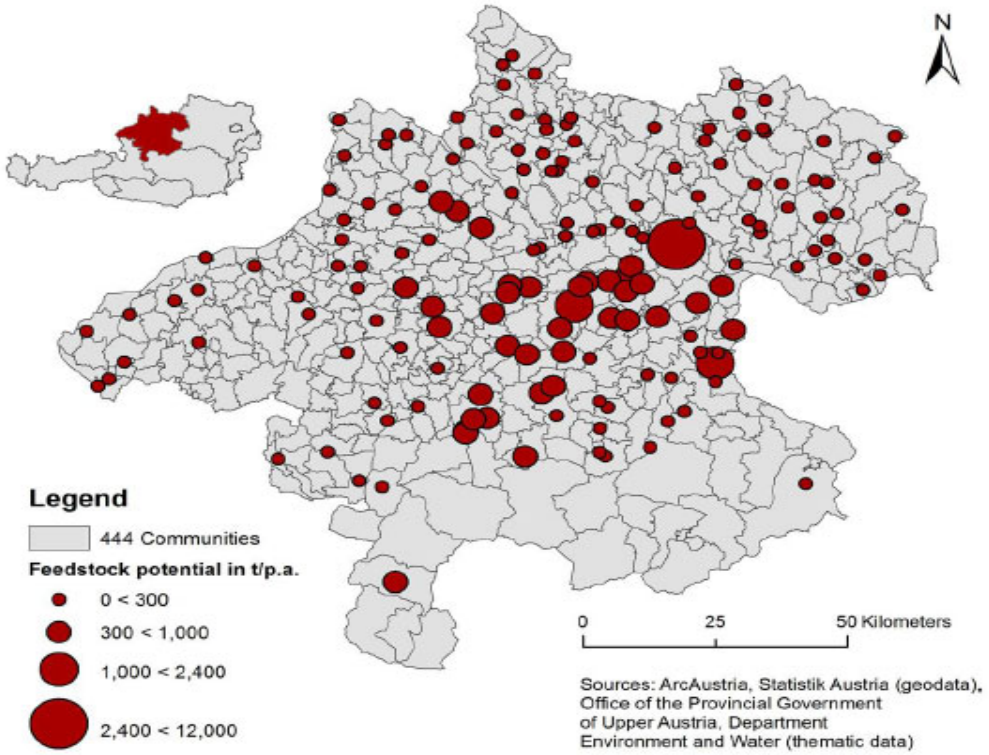
Stefan Rotter, 2012, A Facility Location and Allocation Model for Biomass-based Energy Carrier Production in Upper Austria, 2012

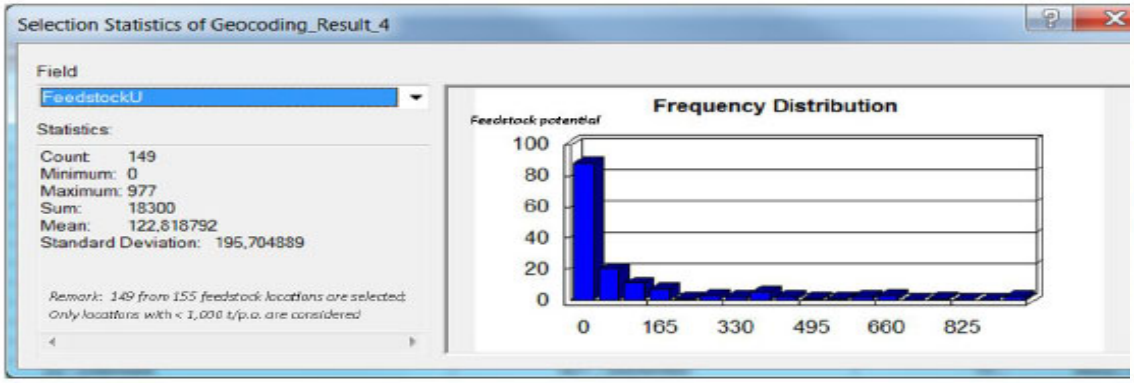
Research questions

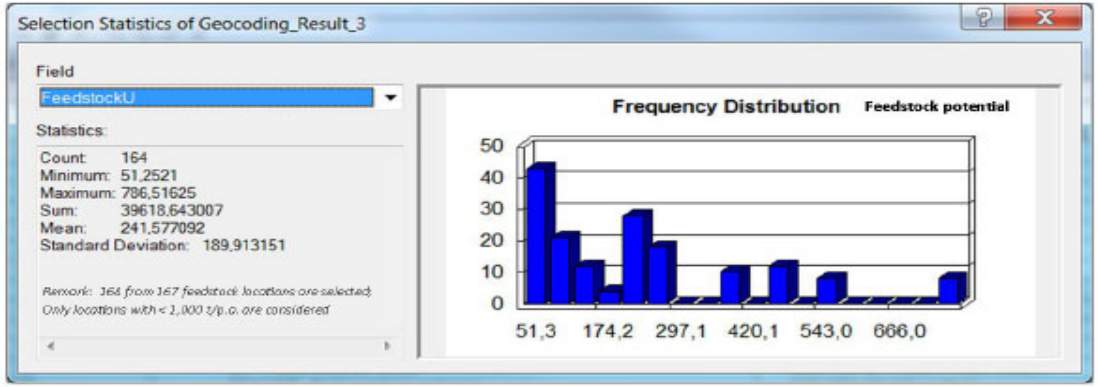
1. How much feedstock potential in terms of sewage sludge and municipal biowaste is theoretically available and where are those feedstock types located in Upper Austria?
2. Where are potential locations for HTC-facilities?
3. What is the optimal number of HTC-facilities to convert the feedstock potential into biocoal as an energy carrier?
4. Where are optimal locations for those HTC-facilities considering the allocation of feedstock locations?
5. What is the network-wide profit that could be realized by applying this supply chain network design?
6. How does the baseline supply chain network design differ when model parameters are changed?

Rotter 2012







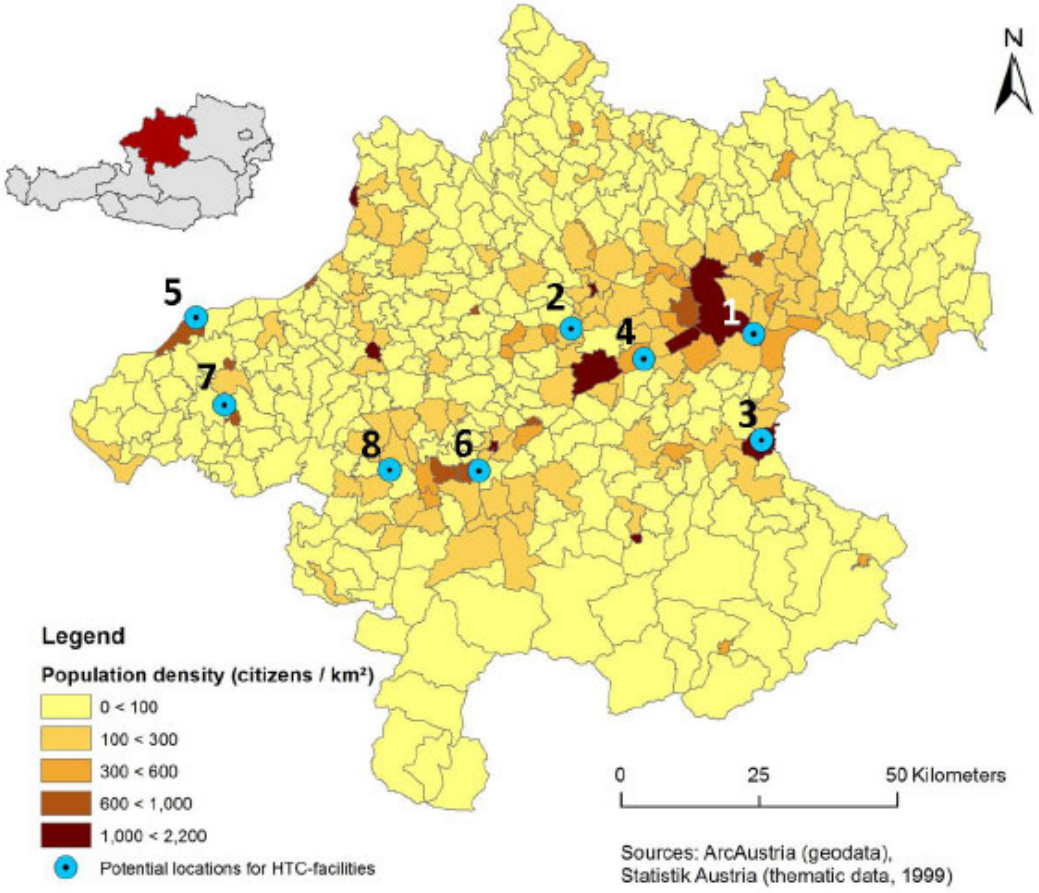


Sewage plant

Rotter 2012

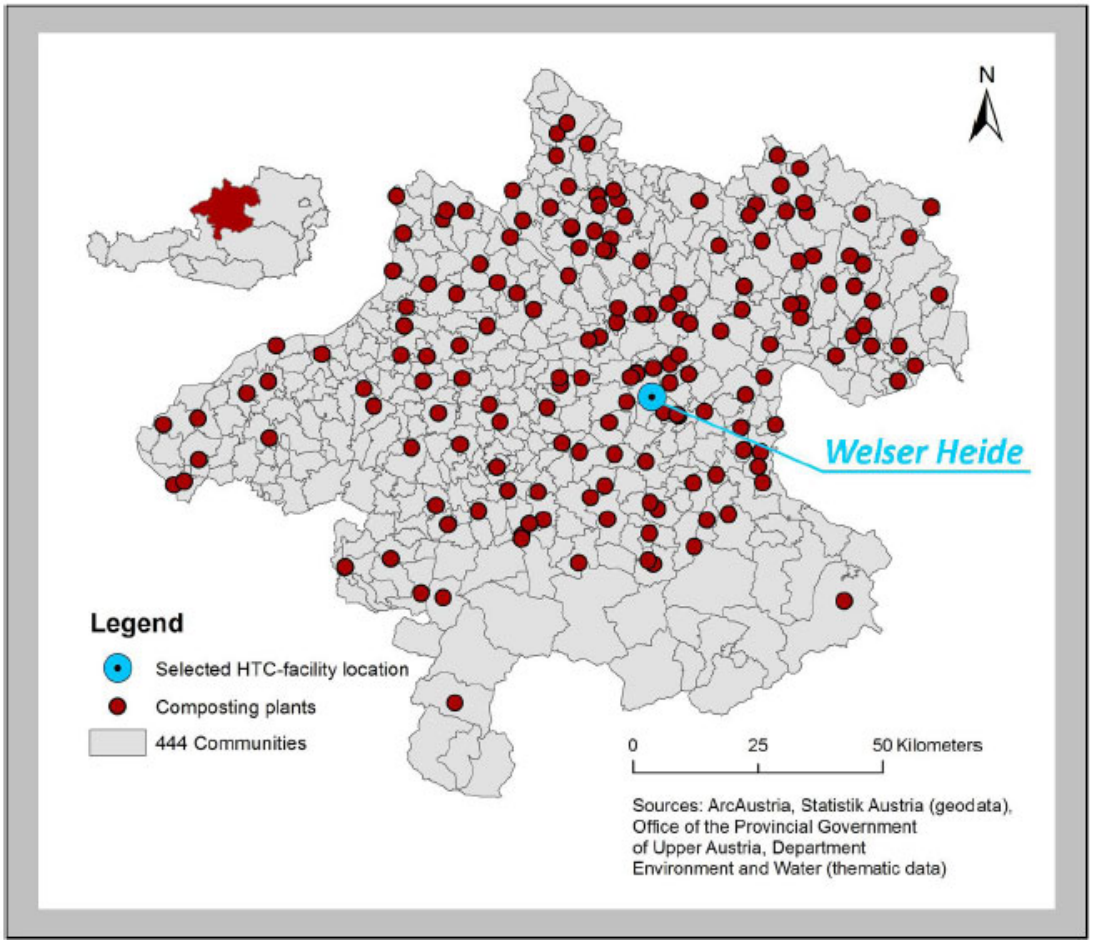
Composting plant

Potential locations for HTC facilities



Rotter 2012

The optimal location

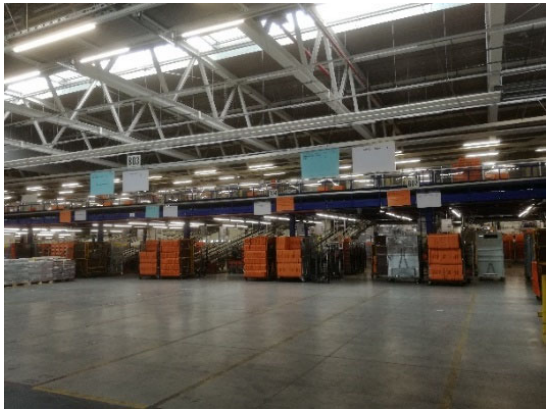


Rotter 2012

Company visits

Henkel, Summer Semester 2018

Post, Summer Semester 2017



Rewe, Winter 2017

Company presentations and networking opportunities in (e.g. Amazon, woom, ÖBB)

Job opportunities

The SBWL offers an excellent preparation for the Master program in Supply Chain Management at WU.

A strong demand for well-trained people exists in the area of Supply Chain Management, e.g.:

- Supply chain management in industrial, commercial and service companies
- Logistics companies
- Consulting companies in the field of Supply Chain Management

Our communication channels

WIRTSCHAFTS UNIVERSITÄT WIEN VIENNA UNIVERSITY OF ECONOMICS AND BUSINESS

Institute

Mailing list
http://wu-lists.wu-wien.ac.at/mailman/listinfo/sns

Website of the institute
http://wu.ac.at/itl

Institute for Transport and Logistics Management

Courses

CANVAS WU

E-Mails regarding specific courses
firstname.lastname@wu.ac.at

Admission

- The SBWL starts each semester with up to 40 students.
- The formal requirements for admission to an SBWL at WU must be met.
- Admission to the SBWL requires the successful completion of the AG " Access to Specialization in Business Administration: Supply Networks and Services" (see WU Course Catalog).
- Admission to the SBWL is based on a motivation letter and the GPA.

Enrollment process of the SBWL

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Step 1:

- Please register for the ET LV Nr. 5561 "Access to Specialization: Supply Networks and Services". Registration is possible from **01.02.2024 until 05.02.2024 using LPIS.**

- ATTENTION!! Without exception, NO application documents will be accepted after the deadline!

- Students who have a "Very Good“ or “Good” in the course "Procurement, Logistics, Production" (BLP) have automatically successfully completed the AG. The grade of BLP is automatically checked by the Institute.

Enrollment process of the SBWL

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Step 2:

- (weight 1/3) Written letter of motivation: Please upload a letter of motivation of maximum one page and a CV in the AG under "Assignments" (saved in a PDF file in the format "Last_name_first_name_matriculation_number.pdf") by **February 05, 2024, 23.55 hrs** at the latest.

- (weight 2/3) **Previous academic performance** - student ranking based on grade point average (for further information about the ranking, please see: https://www.wu.ac.at/en/students/tools-services/rankings): The student performance is checked by the Institute automatically.

- We will inform the accepted students until **February 07, 2024**. If you have not heard from us by then, this means that you are on the waiting list.

Step 3:

- Make sure by selecting the SBWL at LPIS that you are enrolled to the basic courses. Accepted students have to enroll to Courses I, II and III. Please check the WU Course Catalog for the enrollment period.

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Further information

- Information on the SBWL can be found at:

  https://www.wu.ac.at/itl/lehre/bachelor/sbwl/sbwl-supply-networks-and-services

- If you have any questions about the SBWL Supply Networks and Services, please contact Doris Phiri at

  sbwl-sns@wu.ac.at