

Titel:	Transitioning from Industrial Pig Farming to Mushroom Production
Fachbereich	Planning of Landscape and Urban Systems PLUS
LeiterIn	Prof. Dr. Adrienne Grêt-Regamey (gret@ethz.ch)
BetreuerIn	Dr. Salliou Nicolas (nsalliou@ethz.ch) in partnership with Sarah Heiligtag (Hof Narr) and Dumazel Silvère (TransiTerra)
Typ	MSc
Sprache	EN. Knowledge of French and/or Swiss-German is a plus
Weiteres	The MSc is in partnership with Hof Narr and TransiTerra who will support financial costs related to travel in France and Switzerland. A background related to agriculture or economics is a plus.

In Europe, industrial livestock farming is under increasing scrutiny due to its significant environmental, health, and ethical concerns. Additionally, high market pressures create socio-economic challenges for farmers. As a result, there is a growing demand for viable alternatives for those looking to transition away from industrial animal farming.

Organizations such as Hof Narr (Switzerland) and TransiTerra (France) actively support farmers in making this transition. Recently, industrial pig farmers have expressed interest in restructuring their farms toward mushroom production as a sustainable alternative. However, there is a critical lack of technical and economic data to guide them through this transformation.

This MSc thesis aims to bridge that knowledge gap. Through scientific literature review and field interviews with pig and mushroom farmers in Switzerland and France, you will develop the first science-based framework for transitioning from industrial pig farming to mushroom cultivation. Your research will focus on:

- Economic feasibility: Analyzing costs, revenues, and market potential.
- Technical requirements: Understanding infrastructure, labor, and production processes.
- Transition roadmap: Designing a step-by-step guide to support farmers through the conversion process.

By contributing to this research, you will play a key role in supporting Hof Narr and TransiTerra in their mission to shift away from harmful agricultural practices. If you are passionate about sustainable food systems and want to make a real impact, this thesis offers a unique opportunity to be at the forefront of agricultural transformation.



Oyster mushrooms production in farm tunnels