

Quantitative sustainability of OST

An analysis of the current situation as a foundation for an OST-wide sustainability controlling and monitoring

Student

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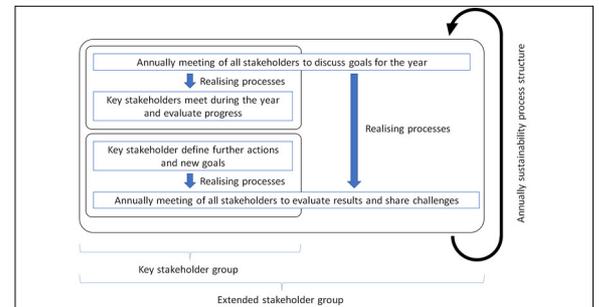
Initial Situation: Prior to this work, the foundations for a sustainable university had been established through legislation, core values, strategies, and a roadmap. In this existing roadmap, some initial sustainability goals had been defined, but to develop a more detailed sustainability program, more knowledge about the current state and each stakeholder's needs must be collected.

Introduction: This study analyzes the comprehensive current state of OST's quantitative sustainability by examining the available data. This is a necessary step to identify reasonable and specific sustainability goals, which is a pivotal stride towards an OST-wide sustainability controlling and monitoring framework. The analysis of the stakeholders is necessary to get a qualitative impression of the current challenges but also of the already implemented sustainability programs at OST. This study also highlights essential metrics from different sustainability rankings that should be considered for the development of the sustainability program.

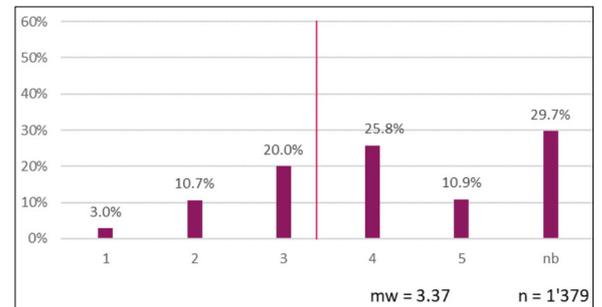
Conclusion: The analysis reveals that most stakeholders have embraced sustainability goals, either driven by the previous university structures or out of intrinsic motivation. However, a robust sustainability control and monitoring would drastically increase coordination and efficiency. Today, it is very challenging to gauge OST's current state due to the rather uncoordinated actions of the stakeholders. Therefore, it is very difficult to define further actions. Despite the very new and still mostly conceptual sustainability approach of OST, the analysis of the already existing data shows that some major OST-wide steps have already been implemented, and the foundation was laid to become one of Switzerland's most sustainable universities within the next decade.

Surprisingly, large differences appeared in the data between the locations of the campuses. This can be explained by the history of these places and the different universities they belonged to prior to the fusion to OST. The lack of awareness among some stakeholders underlines the pressing need to implement a well-structured sustainability program.

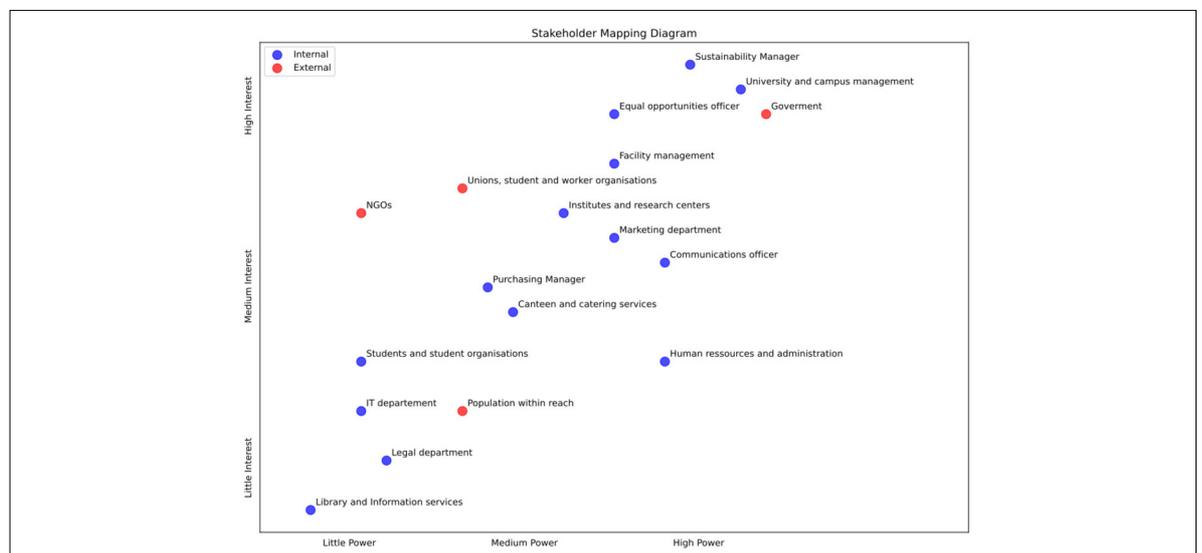
An example of a sustainability management process for OST.
Own presentation



The result of the employee survey with the question ecological efforts at OST.
Own presentation



The stakeholder mapping diagram as the result of an analysis of each stakeholder.
Own presentation



Advisor

Prof. André Podleisek

Subject Area

Business Engineering, Energy and Environment, Innovation in Products, Processes and Materials - Business Engineering and Productions