

## **Quality management in agile software projects: development and integration in the IT-sector**

My research combines the practices of agile software development and quality management in order to improve project success for SMEs in the IT-sector. While quality management has been utilized for over a decade, agile software development is a relatively modern phenomenon. Agile values represent flexibility, speed and self-empowerment in project teams, whereas quality management relies on implementing and overseeing processes. The IT-sector is facing growing complexity: 56 % of software projects are over budget and 60 % exceed the planned time. The literature agrees that implementing a quality management system might solve some of those issues. However, it is not well researched how to implement it in an agile environment. My competition contribution aims to fill this gap by outlining factors to be addressed when integrating quality management in agile projects, focusing on SMEs, which make up for 99 % of all software companies in Germany and need quality to distinguish from the competition and succeed in innovating the industry.