

A Quality Model for Inner Source

Summary

Inner source (IS) is the utilization of open source development practices within an organization. Many organizations run IS projects (software projects with the goal to develop IS software) or even IS programs (coordinated efforts to run and maintain multiple IS projects). We intend to provide metrics that help IS stakeholders to evaluate their IS programs and projects. For this we need to understand the (quality) attributes that characterize a good IS program and project.

In this thesis the student will prepare, conduct, and analyze interviews with five IS experts. From the interview results and insights gathered from open source quality models in research literature, the student will develop a hierarchical quality model of IS describing quality attributes of IS programs and projects.

Work Results

- Literature review
 - Methods for interviews (interview design, conduction, qualitative data analysis)
 - Open source (OS) quality models
 - Inner source literature (to understand context)
- Research question
 - **What are the (measurable) quality attributes of IS programs and projects?**
- Thesis methods, execution
 - Conducting interviews, analyzing them using QDA methods
 - Develop IS quality model (from analyzed interviews augmented with OS quality models, IS literature)
- Thesis results
 - Interview guideline for expert interviews (likely: student will not perform interviews himself)
 - Transcribed interviews (outside help possible), code systems resulting from analysis
 - **Quality model (hierarchical quality attributes) of IS programs and projects**

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