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Motivation

- Lack in definition and missing standards regarding project risk management
- Existing project management tools either lack quantitative risk management or are liable to costs
- Increase risk transparency throughout the organisation

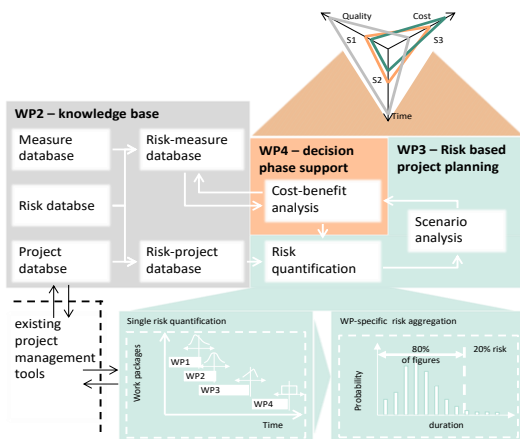
Goals

- Framework for quantitative project risk management adapted for small and medium sized enterprises (SME)
- Risk identification, quantification and impact control
- Compatibility with other project management tools

Realisation

- Open source software tool
- Project risk quantification with virtual scenario analysis
- Semi-automated project forecast
- Risk-optimal resource distribution

General Project Organisation



Main Features

Quantitative approach provides a solid decision base due to precise risk measures

- Supports rationale towards project workers
- Supports rationale towards supervisor



Cost-Risk optimal resource allocation

- Within projects
- Across projects (multi project management)

2 Reduced effort in application

- Supports risk identification by automated risk proposing
- Automated quantification based on past-oriented data
- Semi-automated quantification due to simulation

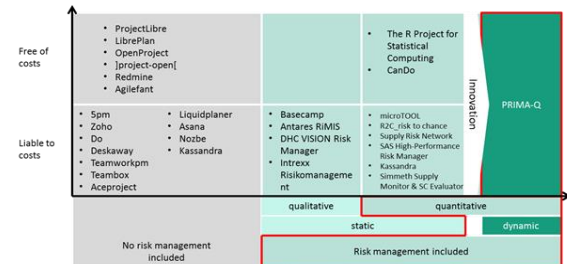
3 Improved risk perception

- Increased transparency regarding risks and risk treating measures
- Virtual cause and impact oriented risk illustration
- Support of risk communication process
- Enabler for systematic organisational learning of risk management

Current Status - Requirements Gathering and Survey of Existing Tools

In order to gather the requirements for the newly developed software tool, the project engaged into the following activities:

- Conducting an international survey about practices and requirements on project risk management into SME
- Performing research on existing project risk management methods and gap analysis with SME needs
- Reviewing the available project and risk management tools to identify their functionalities, match them with SME needs and select an adequate target platform for integrating our extensions



Taking the Survey → <https://www.socisurvey.de/PrimaQ>

The survey is structured in six parts:

- Company characteristics
- Project characteristics
- Project management issues
- Risk management
- Risk assessment software
- Follow-up

The survey takes about 20 minutes to complete. It is available in English, French and German.

It can be anonymous or you can leave your contact info if you want

- to be kept informed
- to integrate the user committee

PRiMa-Q Risk Management survey questions:

16. During your company's risk management in Project Management, do you proceed a prioritization of risks?

17. Do you use software for risk assessment in your company (identification, measurement, monitoring etc.)?

18. Who is responsible for risk identification?

19. Are Cost benefit considerations included in the risk management measures?

20. Which risk identification techniques do you use?

Joining the User Committee

Some benefits:

- Learn about project risk management methods and tools
- Introduce methods' and tools' requirements in project
- Influence project roadmap
- Exchange best practices
- Benefit from guidance on your case
- Benefit from the early application of enhanced tool for risk identification, analysis and treatment