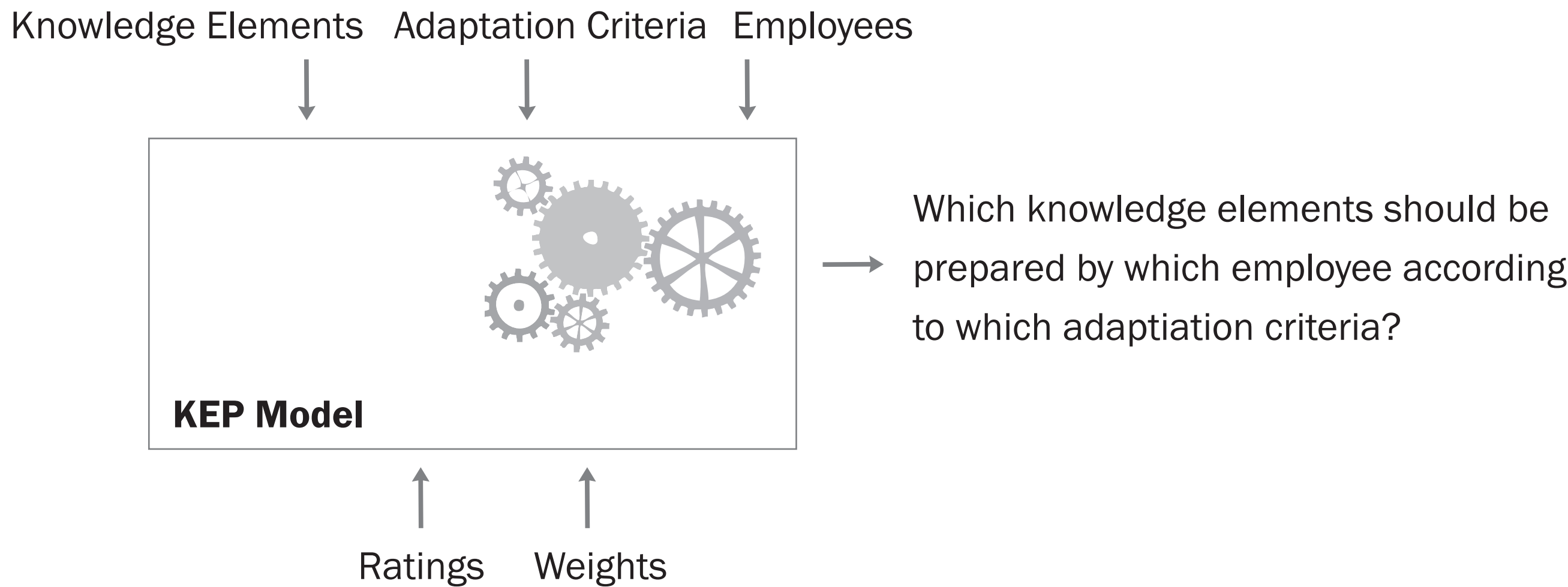


IMPLEMENTATION & EVALUATION OF THE KNOWLEDGE ELEMENT PREPARATION MODEL

PRELIMINARIES

- Knowledge Element Preparation Model (KEP Model) by Thalmann, 2012
- part of a decision support system considering benefits and efforts
- basis for the KEPTool



RESEARCH OBJECTIVE

The Implementation and Formative Evaluation of the KEP Model and the KEPTool

evaluation of the ...

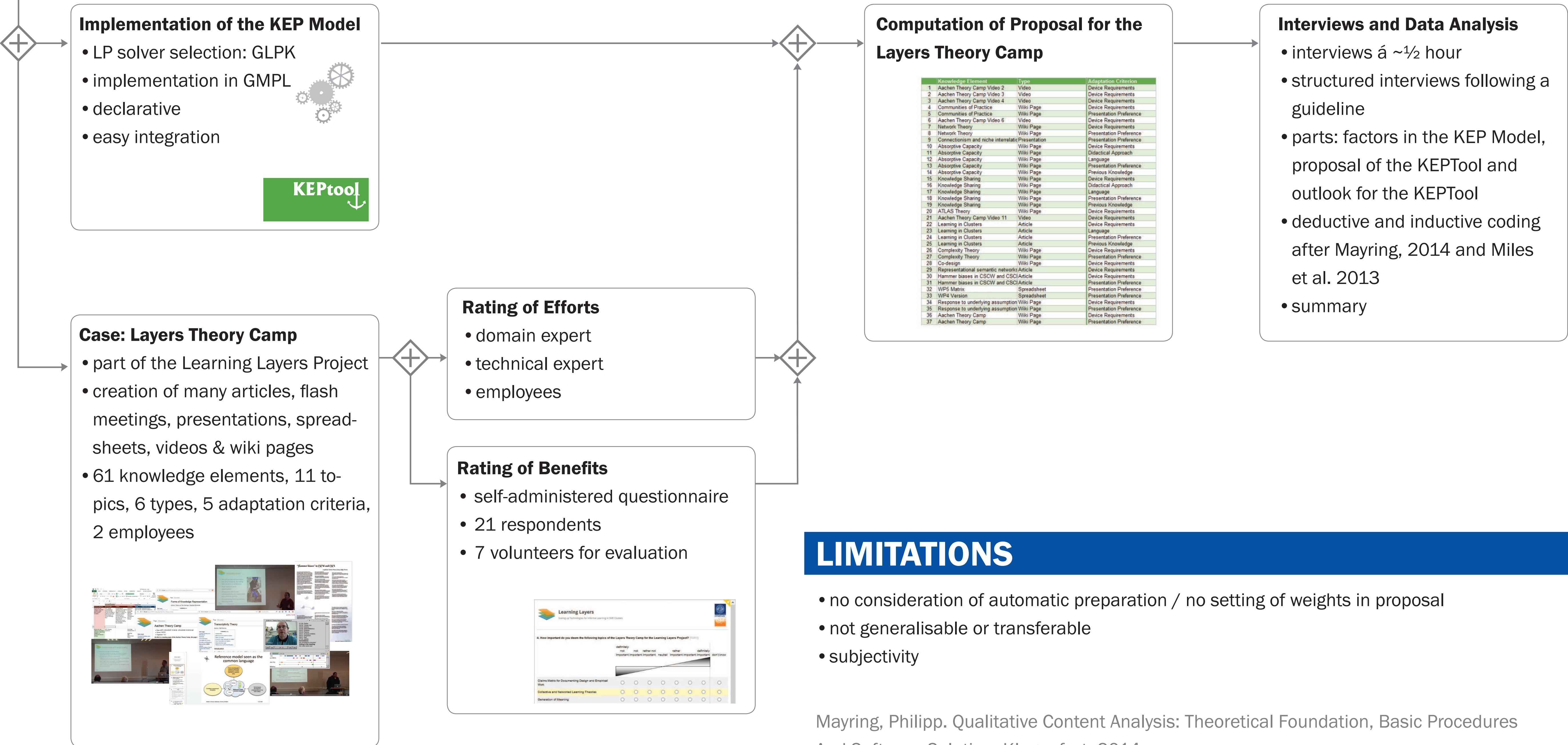
- proposal the KEPTool computed for the Layers Theory Camp
- factors influencing the benefits and efforts in the KEP Model
- weights balancing the factors in the KEP Model
- rating procedure of the factors influencing the benefits in the KEP Model

identification of ...

- requirements for the graphical user interface of the KEPTool
- further application scenarios of the KEPTool

Thalmann, Stefan. Decision Support Framework for Selecting Techniques to Prepare Knowledge Elements for Adaptive Use. PhD thesis, University of Innsbruck, 2012.

PROCEDURE



LIMITATIONS

- no consideration of automatic preparation / no setting of weights in proposal
- not generalisable or transferable
- subjectivity

Mayring, Philipp. Qualitative Content Analysis: Theoretical Foundation, Basic Procedures And Software Solution. Klagenfurt, 2014.

Miles, Matthew B., Huberman, A. M., and Saldana, Johnny. Qualitative Data Analysis: A Methods Sourcebook. Sage Publications, 2013

RESULTS

Suggestions: Factors in the KEP Model

- benefit factor depending on employee
- factor concerning time, date, or version
- factor concerning safety, security, or environmental aspects
- investigate how factors can be instantiated
- (automatic) rating procedures

Suggestions: Relationships in the KEP Model

- exclusion of topics, types, or adaptation criteria
- technical evaluation
- change types of knowledge elements
- only one adaptation criterion

Suggestions: Application & Evaluation of the KEPTool

- clear description
- collaborative ratings
- assignment of topics and types
- involvement of stakeholders
- guidance in rating
- setting of weights
- timely proposal

Suggestions: User Interface of the KEPTool

- keywords or icons
- different languages
- terminology
- aggregation
- key measures

Suggestions: Application Scenarios of the KEPTool

- didactical tool
- project work
- knowledge management

Application in a Real World Context +

