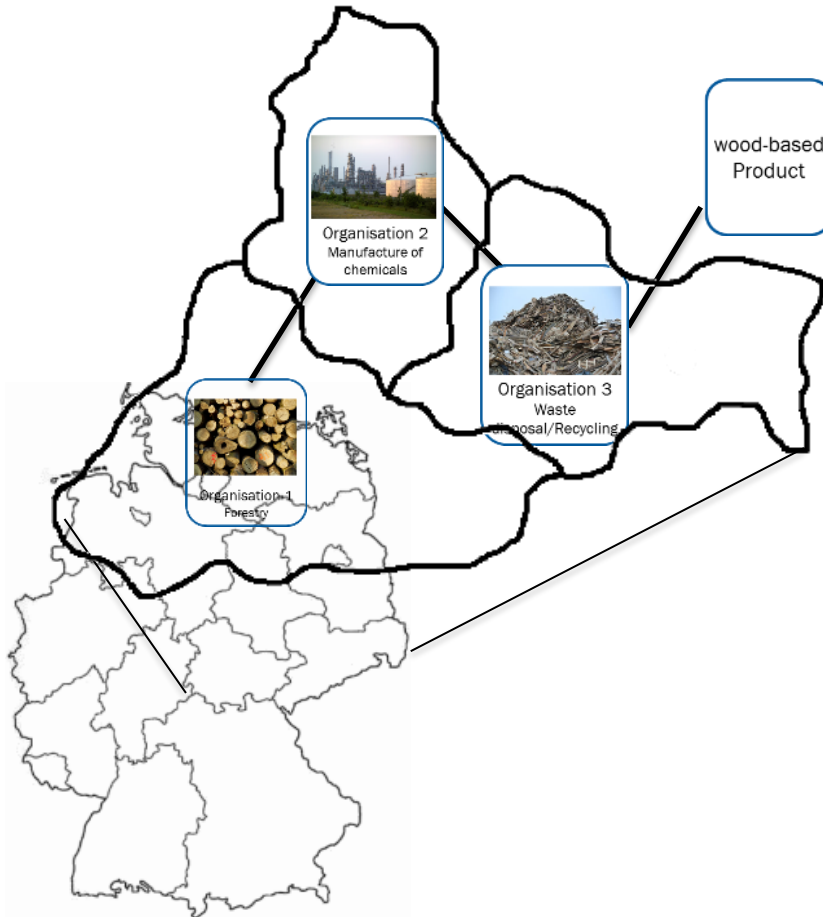


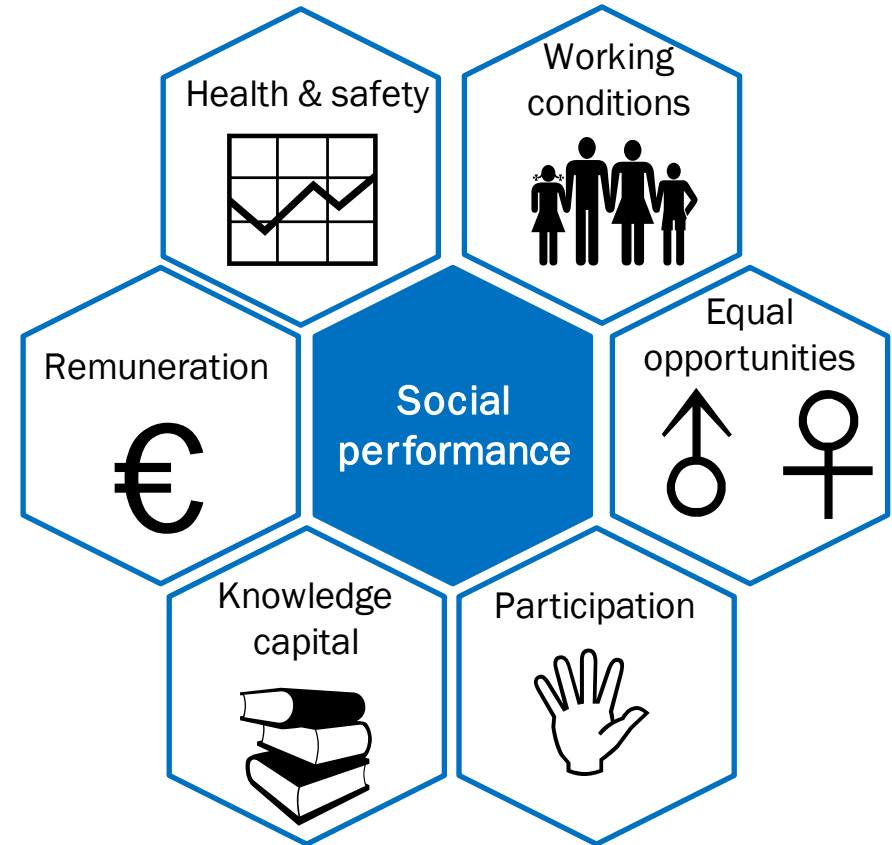
Social life cycle assessment of wood-based products from bioeconomy regions



Goal: To assess wood-based products from German bioeconomy regions regarding their social performance

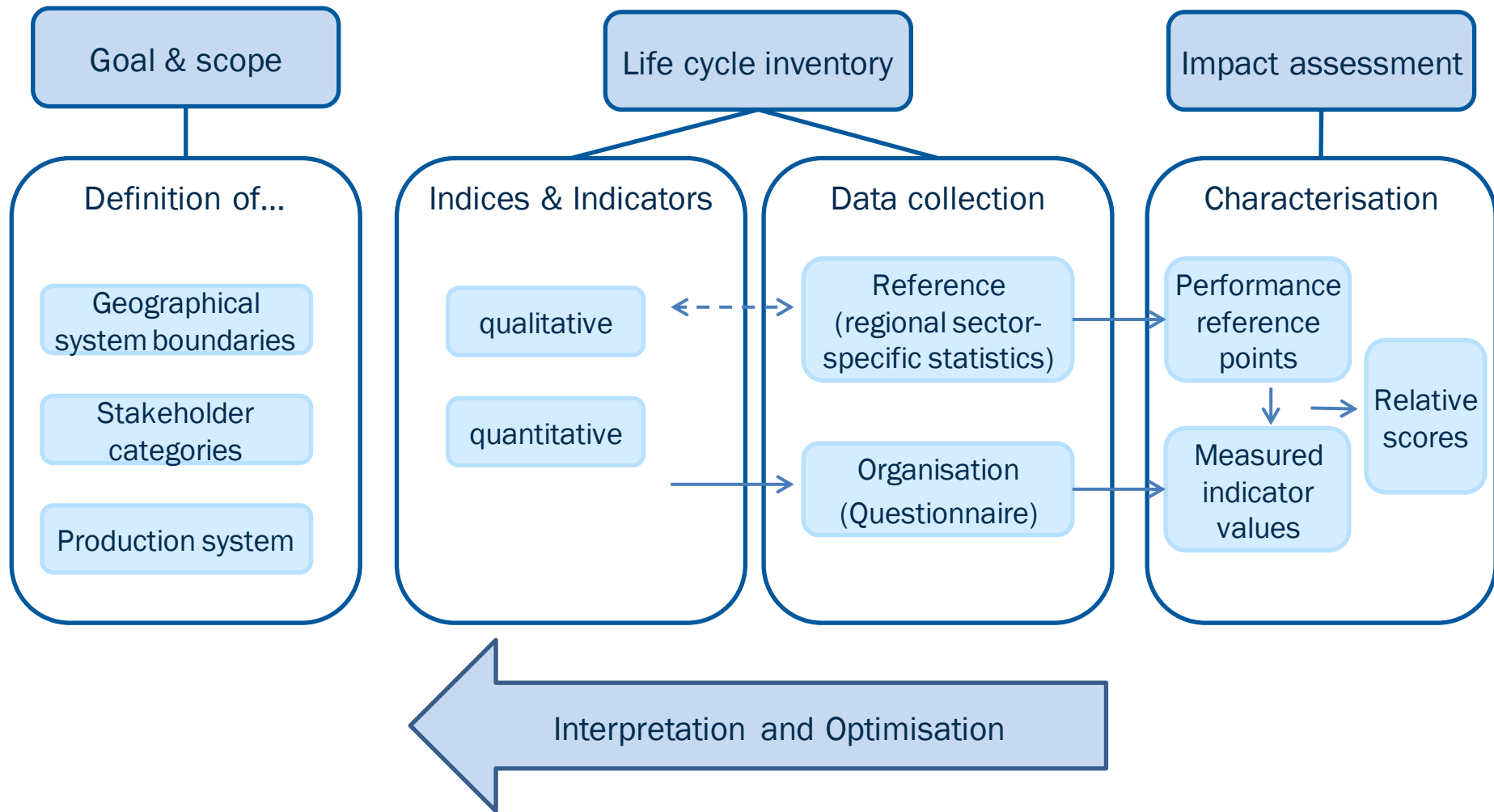


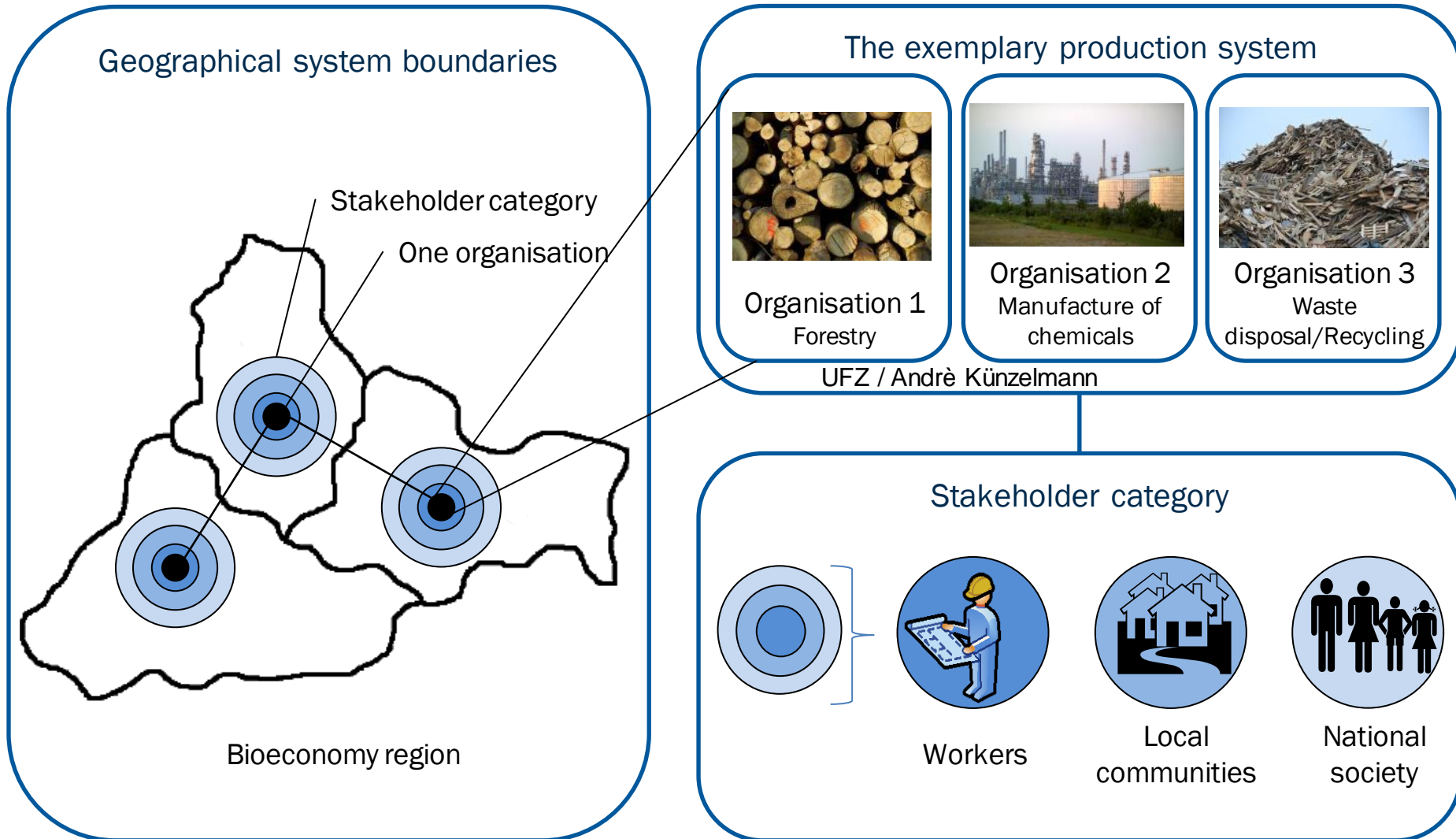
Bioeconomy region in Germany

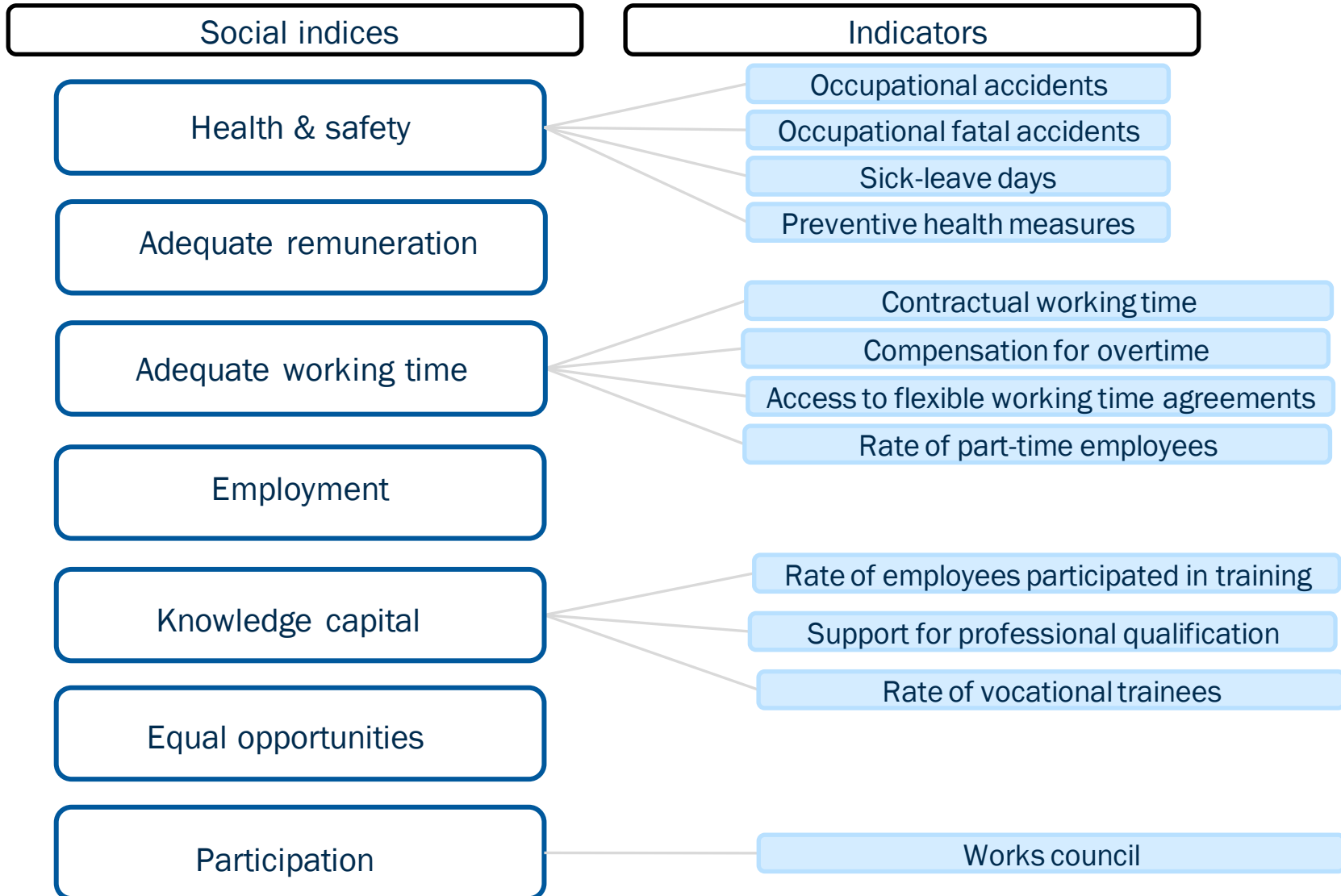


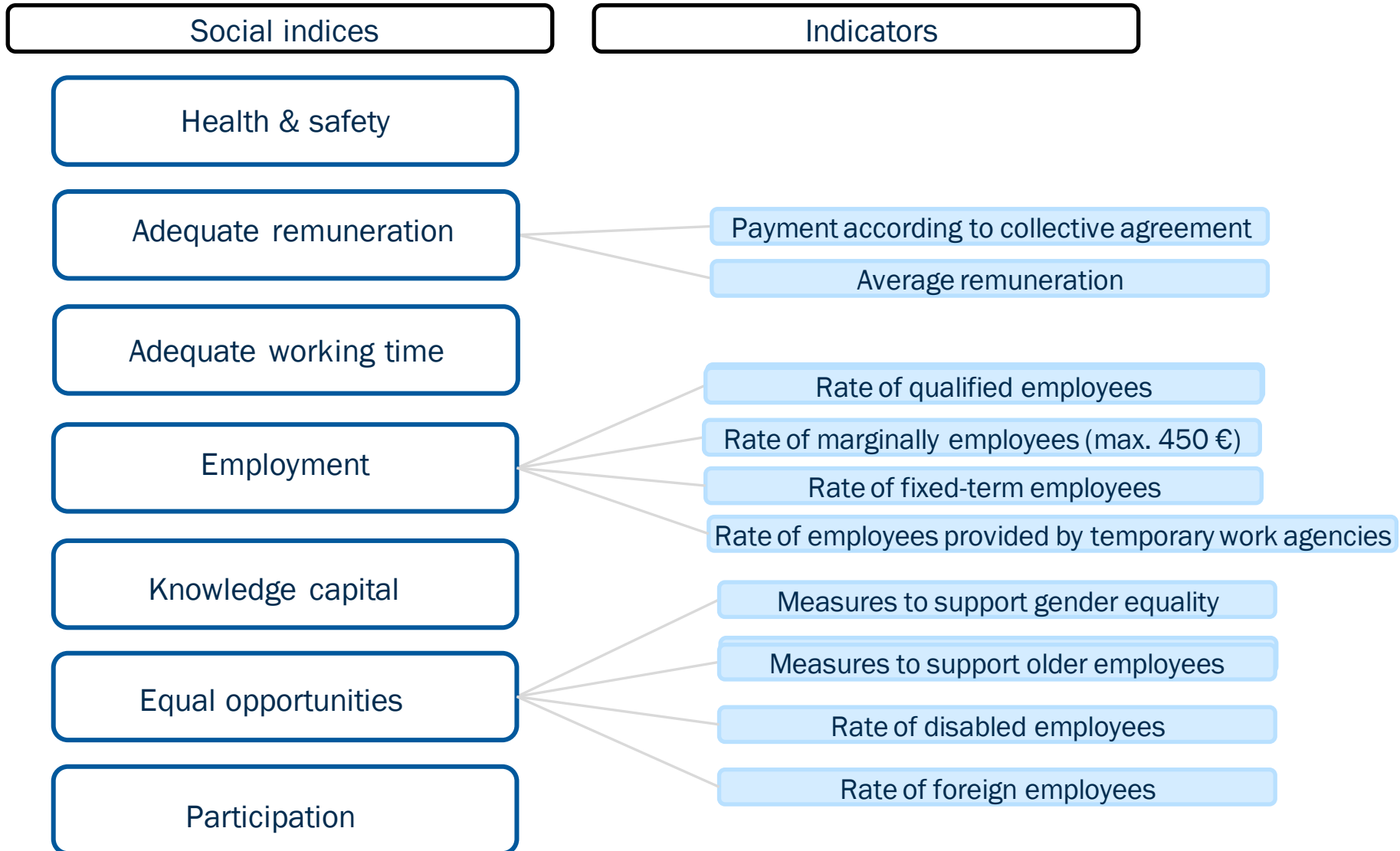
Aspects of social performance

RESPONSA - Regional SPecific cONtextualised Social life cycle Assessment

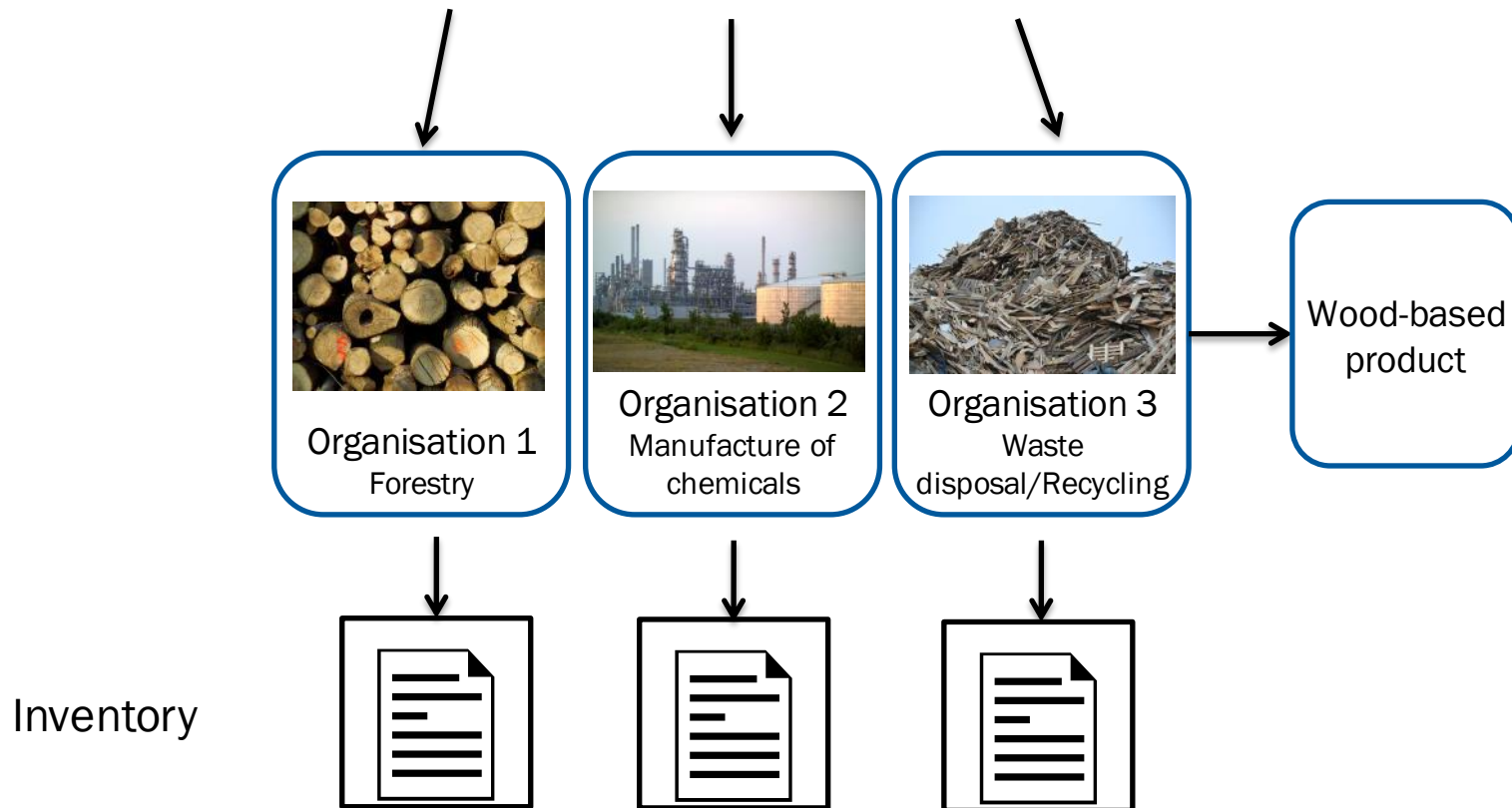






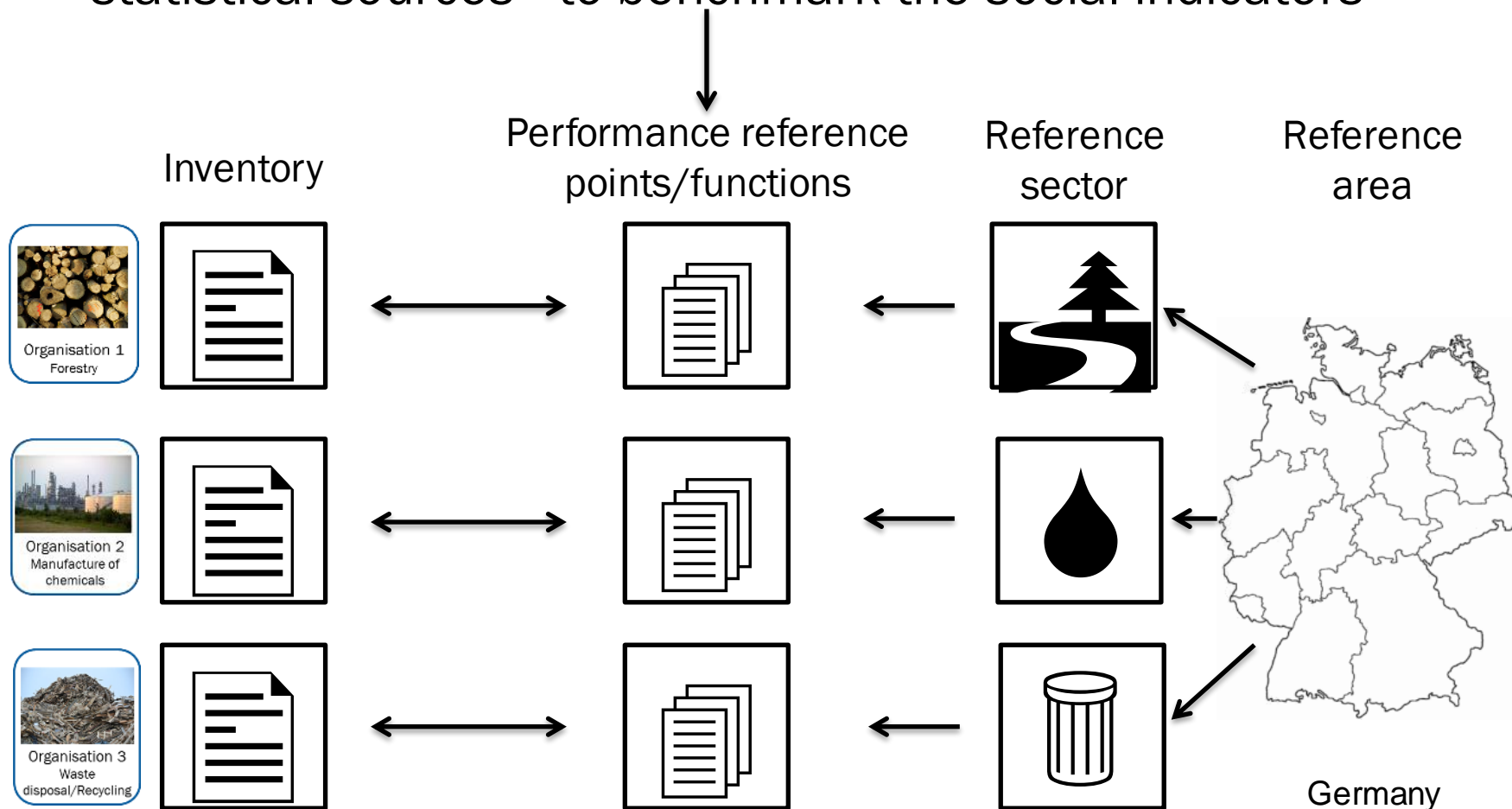


Step 1: Indicator values are collected via a questionnaire from all organisations in the production system in the regional foreground



Application: Step 2 – „Benchmarking social indicators“(Characterisation)

Step 2: Performance reference points/functions are created from statistical sources* to benchmark the social indicators



*IAB Establishment Panel from the Institute for Employment Research (IAB), Federal Statistical Office

„Benchmarking social indicators“ (Characterisation method)

Quantitative indicator

Statistical reference data*

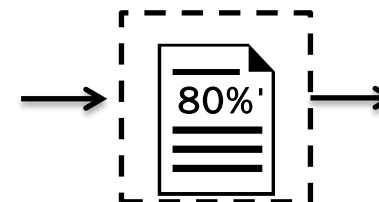
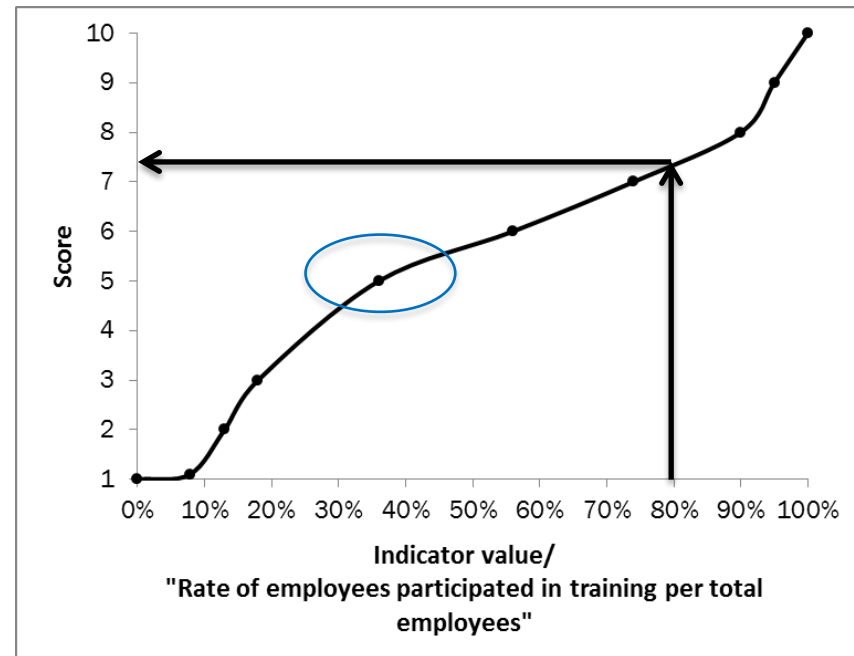
Characterisation function

Deciles/percentage of the reference organisations	Rate of employees participated in training/total employees
10%	8%
20%	13%
30%	18%
40%	25%
50%	36%
60%	56%
70%	74%
80%	90%
90%	95%
100%	100%

Best performance



Worst performance



Score: 7,41

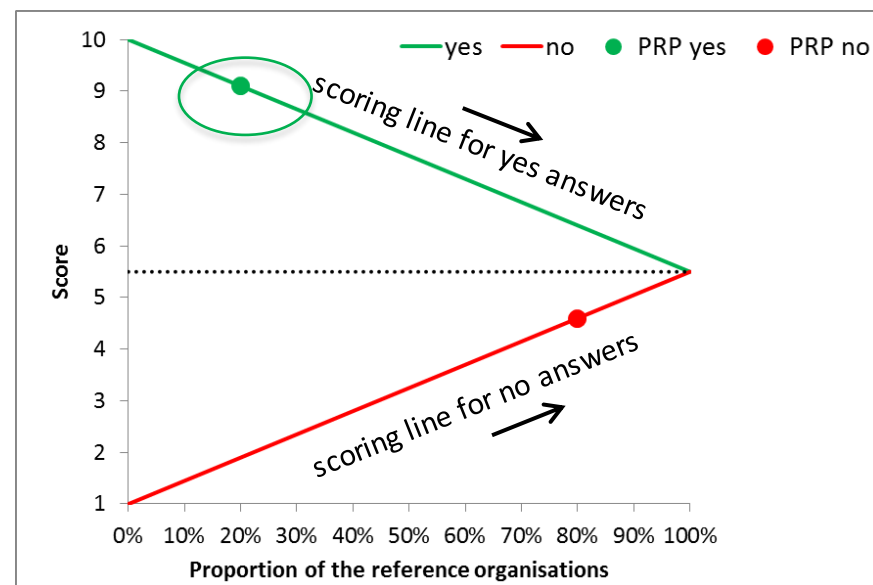
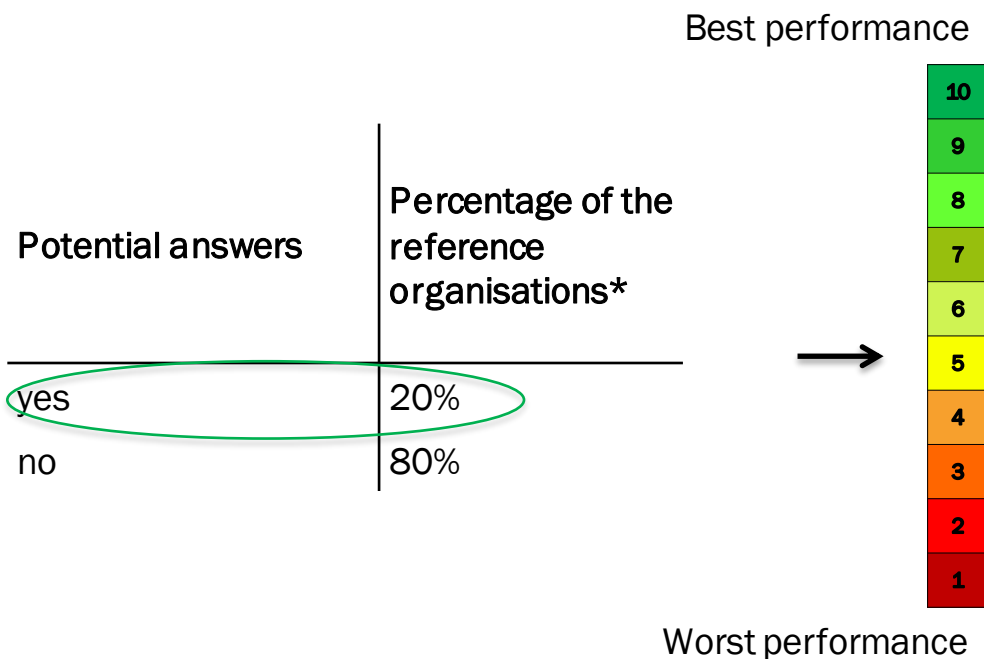
*IAB Establishment Panel from the Institute for Employment Research (IAB)

„Benchmarking social indicators“ (Characterisation method)

Qualitative indicator

Statistical reference data*

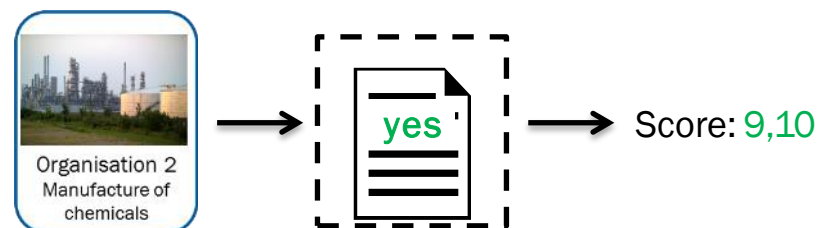
Characterisation function



Support for professional qualification

Does your organisation supports professional qualification?

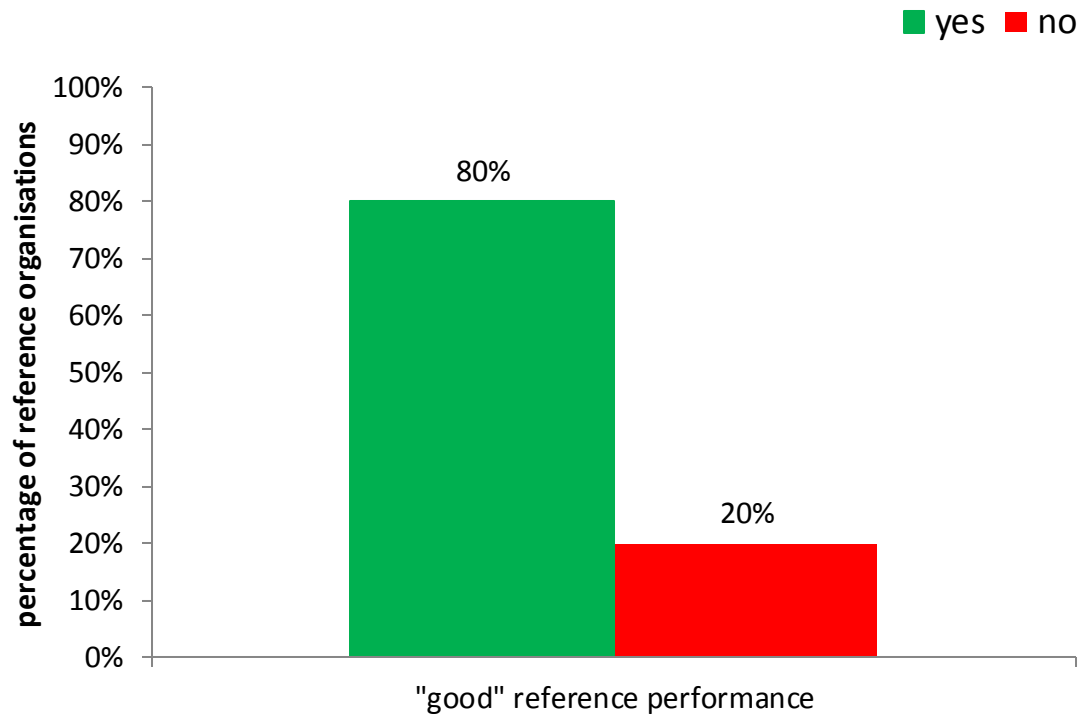
Yes, employees were released or the cost were paid.
No, employees were not released neither cost were covered.



*IAB Establishment Panel from the Institute for Employment Research (IAB)

Qualitative indicator

Statistical reference data



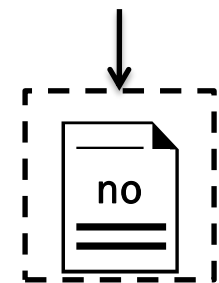
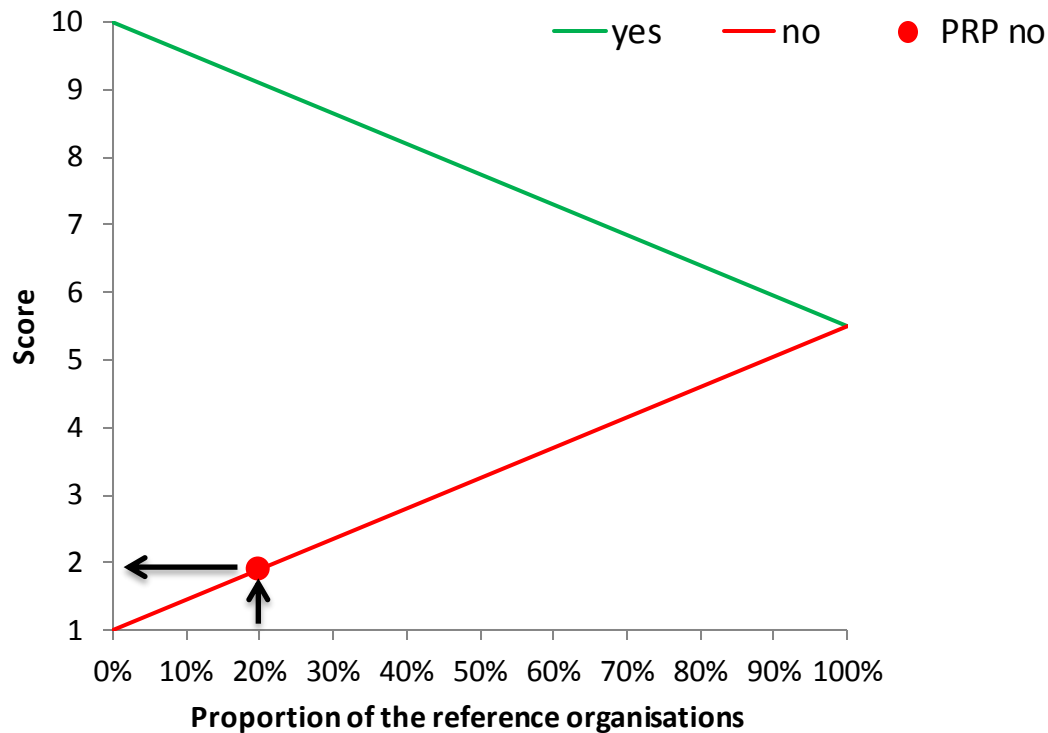
Qualitative indicator

Best performance



Worst performance

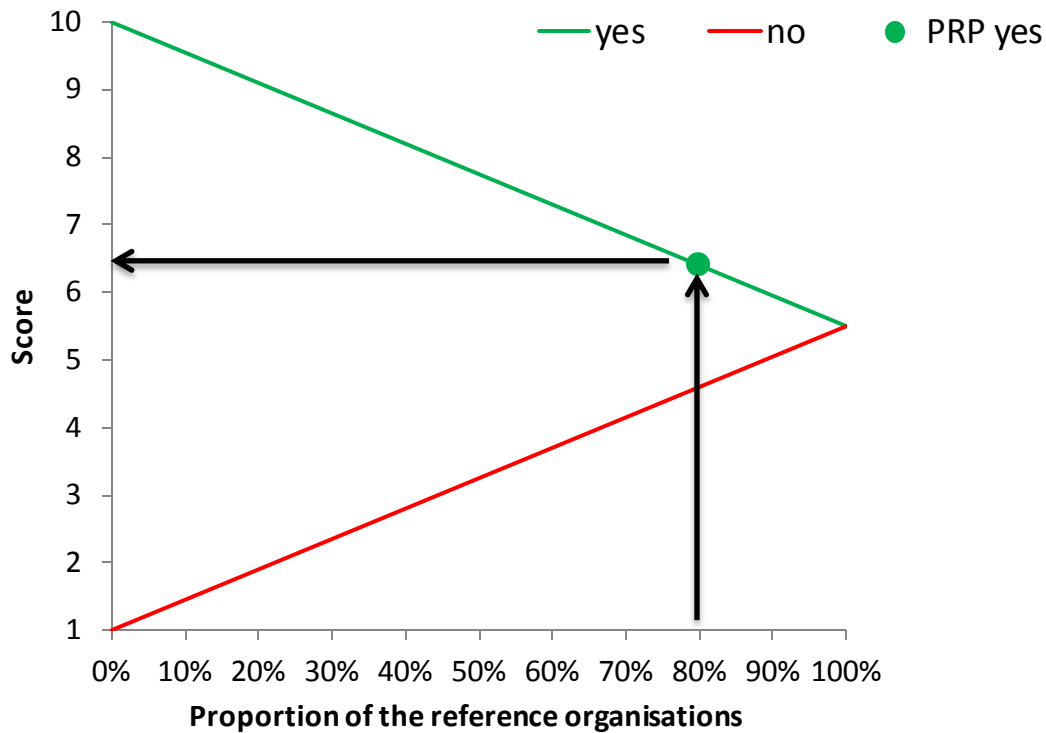
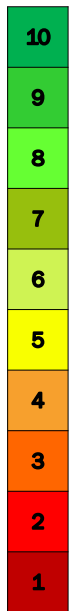
Statistical reference data



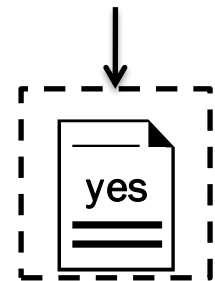
Qualitative indicator

Statistical reference data

Best performance

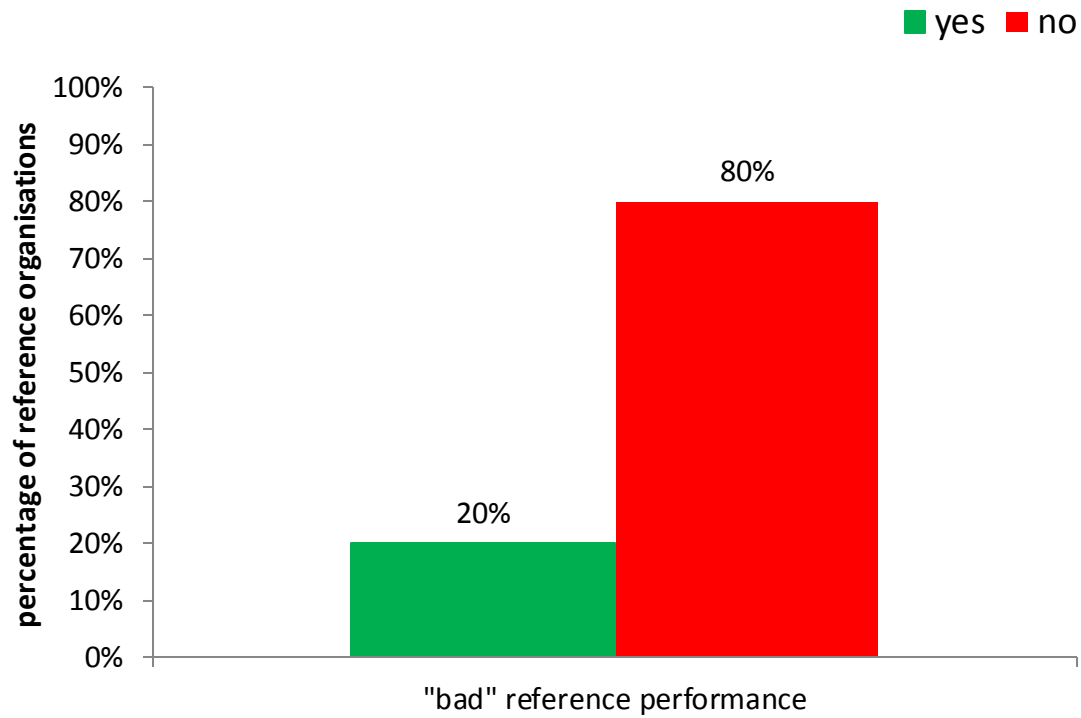


Worst performance



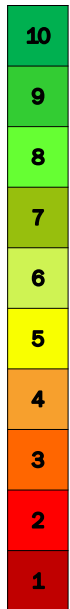
Qualitative indicator

Statistical reference data

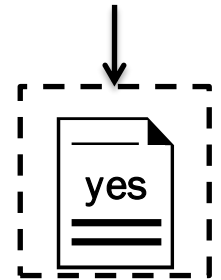
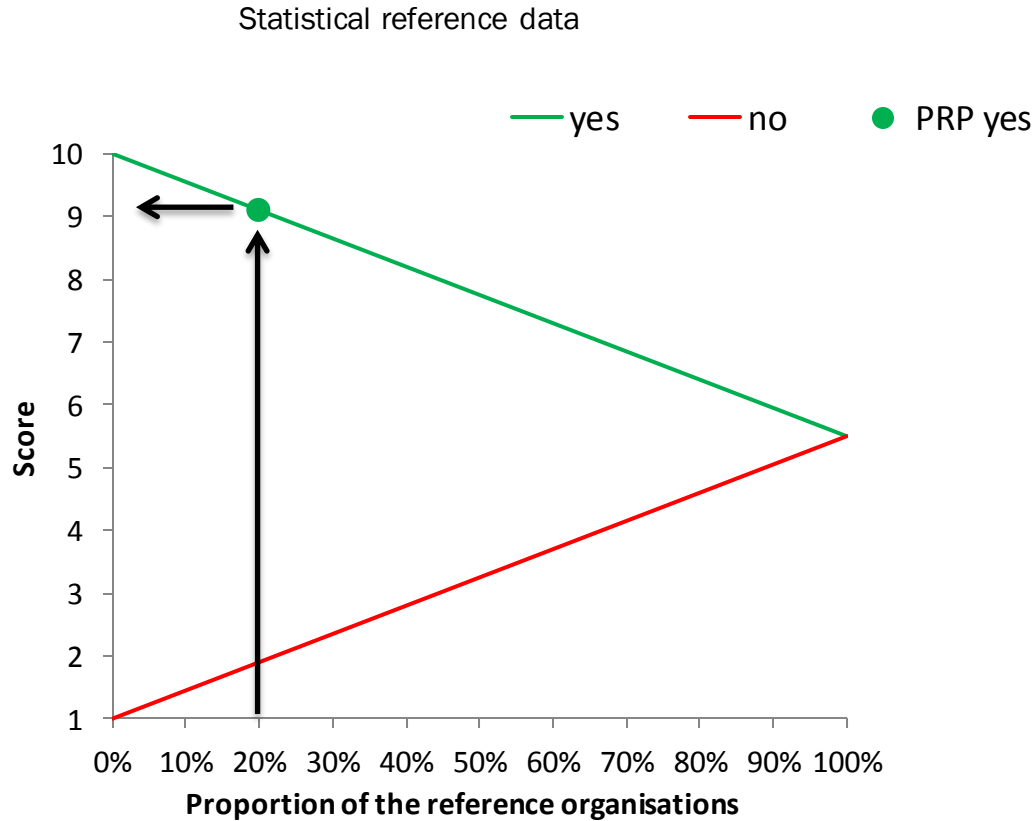


Qualitative indicator

Best performance



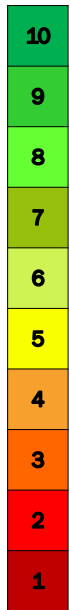
Worst performance



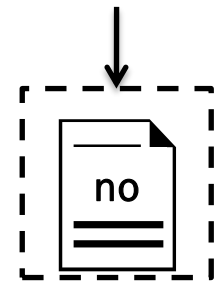
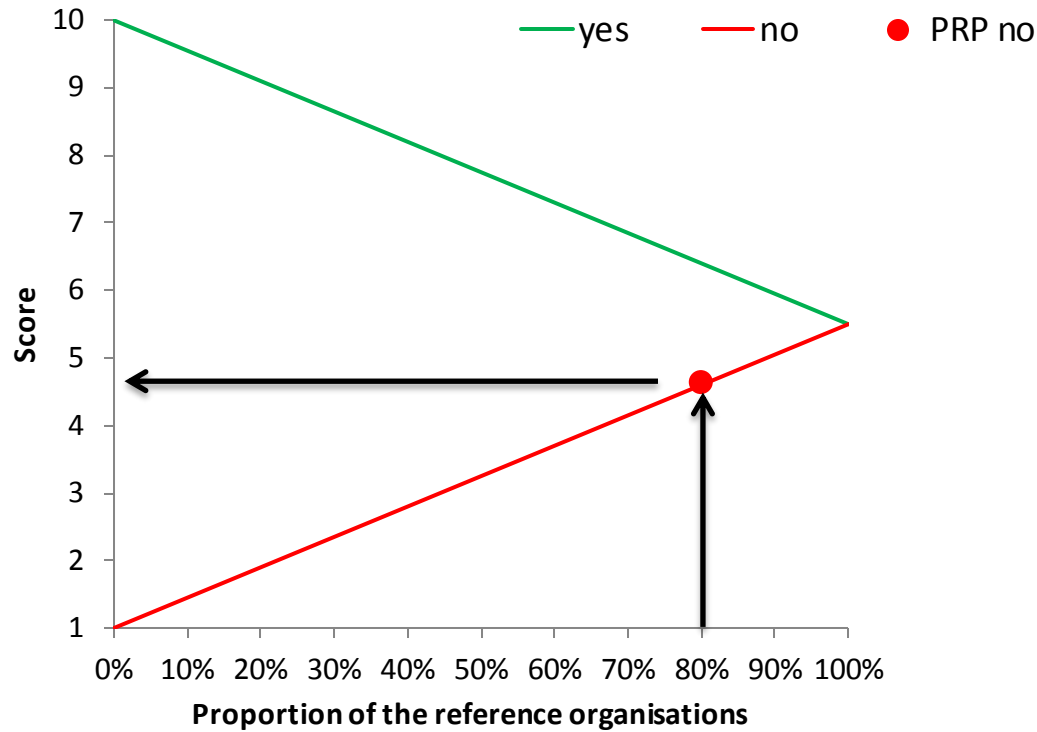
Qualitative indicator

Statistical reference data

Best performance



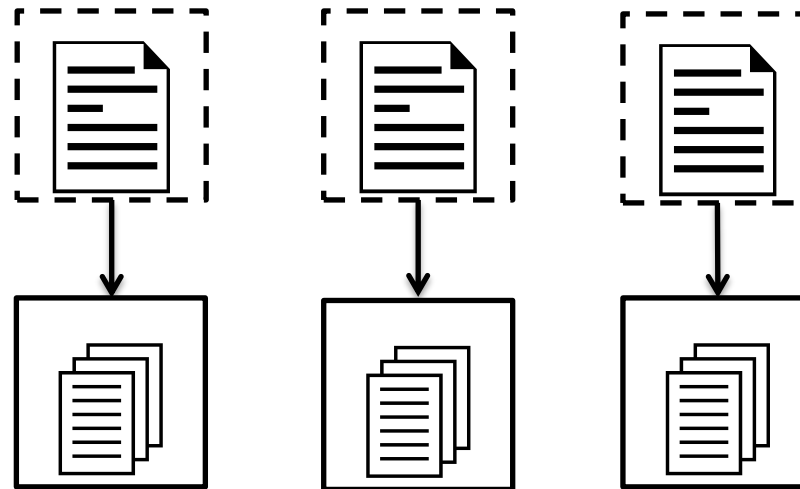
Worst performance



Exemplary production system:



Inventory:
Sector-specific statistical mean values



Relative scores

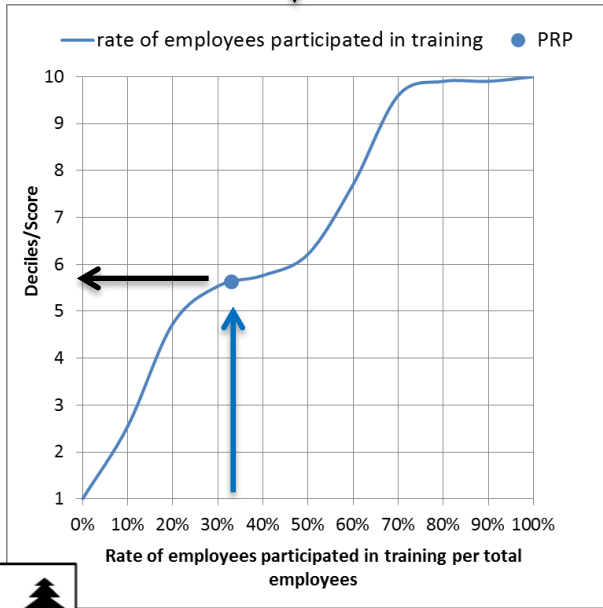
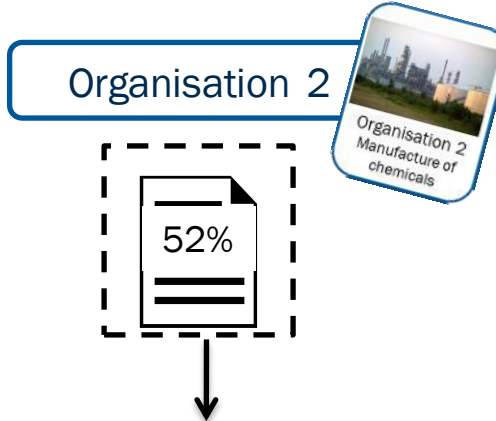
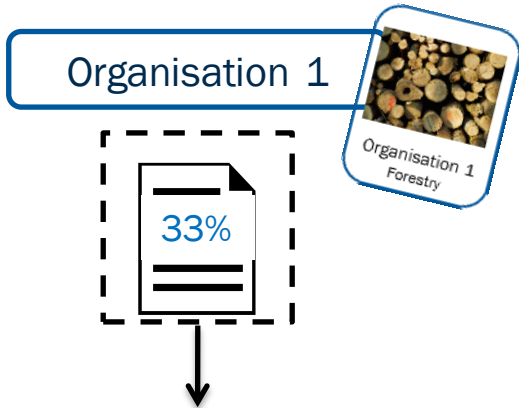
Relative scores

Relative scores

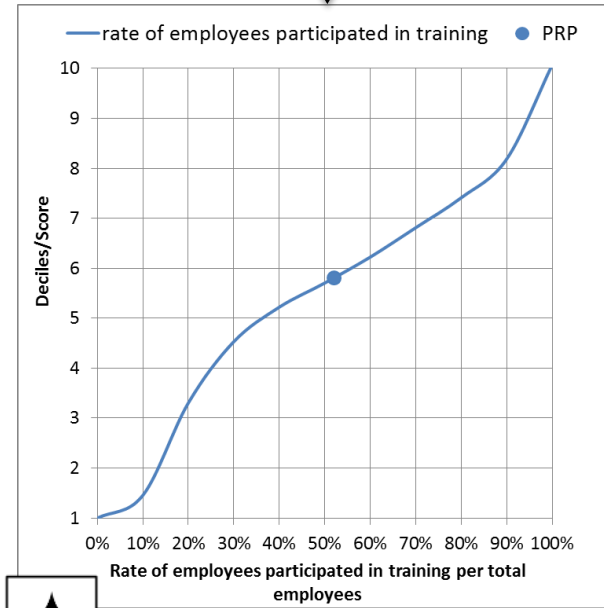
Characterisation:
With performance reference points according to Germany and the reference sectors

Exemplary results - Index: Knowledge capital

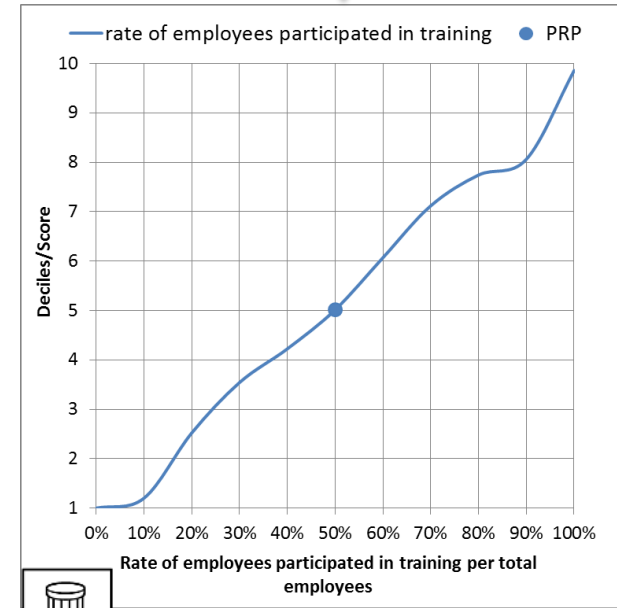
Quantitative indicator **Rate of employees participated in training**



Score: 5,63



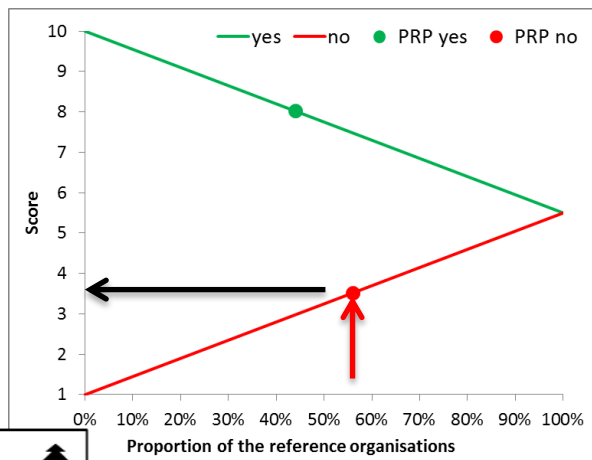
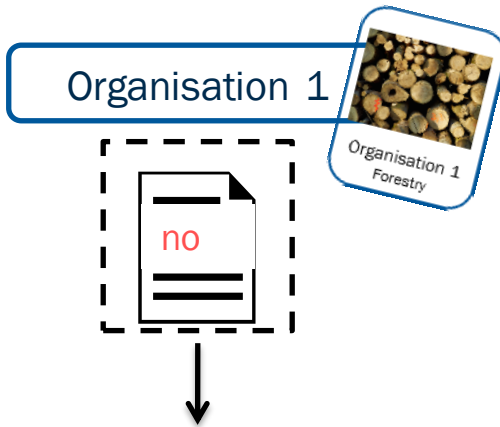
Score: 5,80



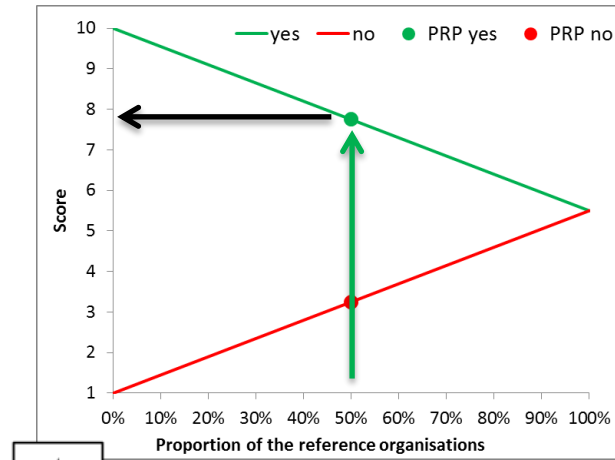
Score: 5,01

Qualitative indicator

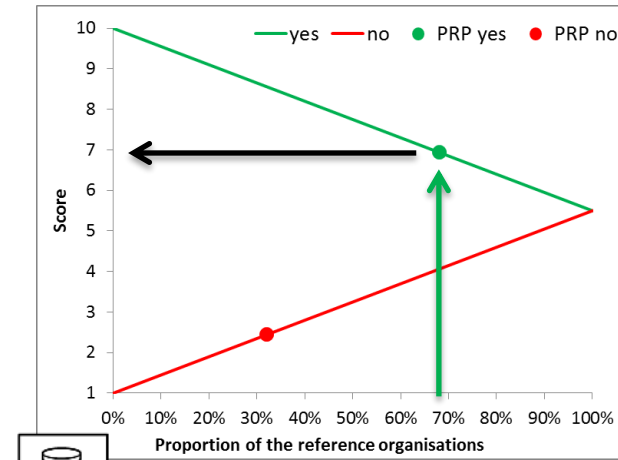
Support for professional qualification



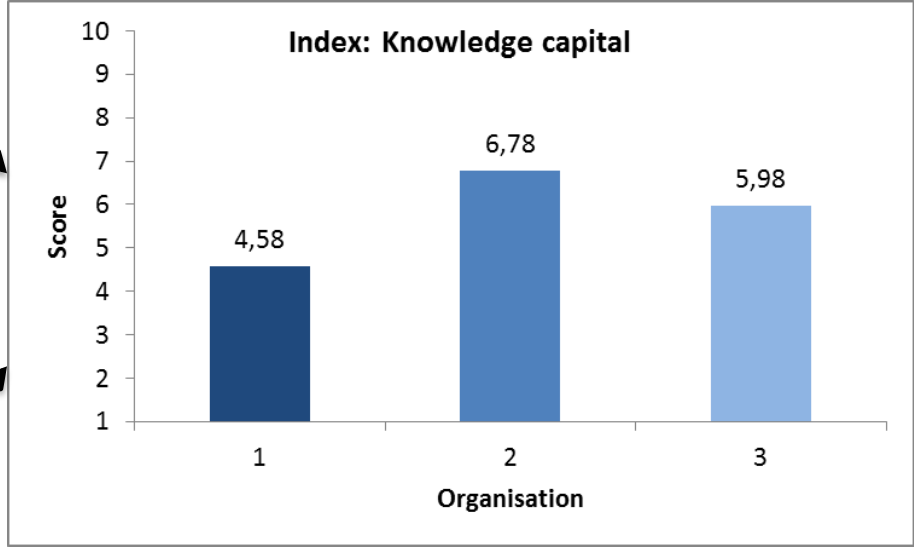
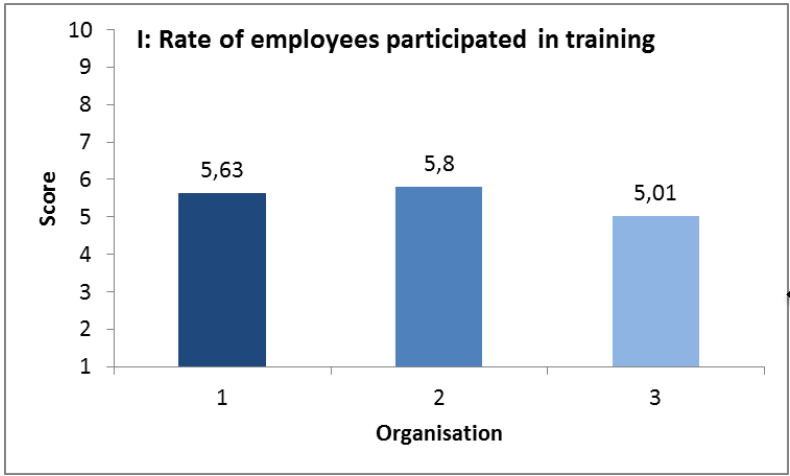
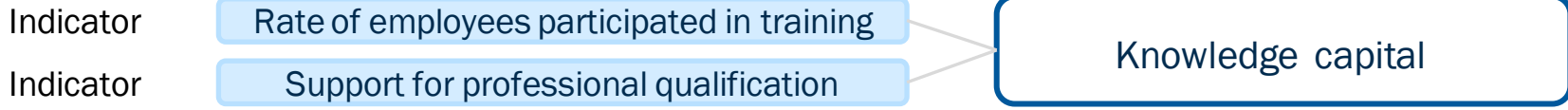
Score: 3,52



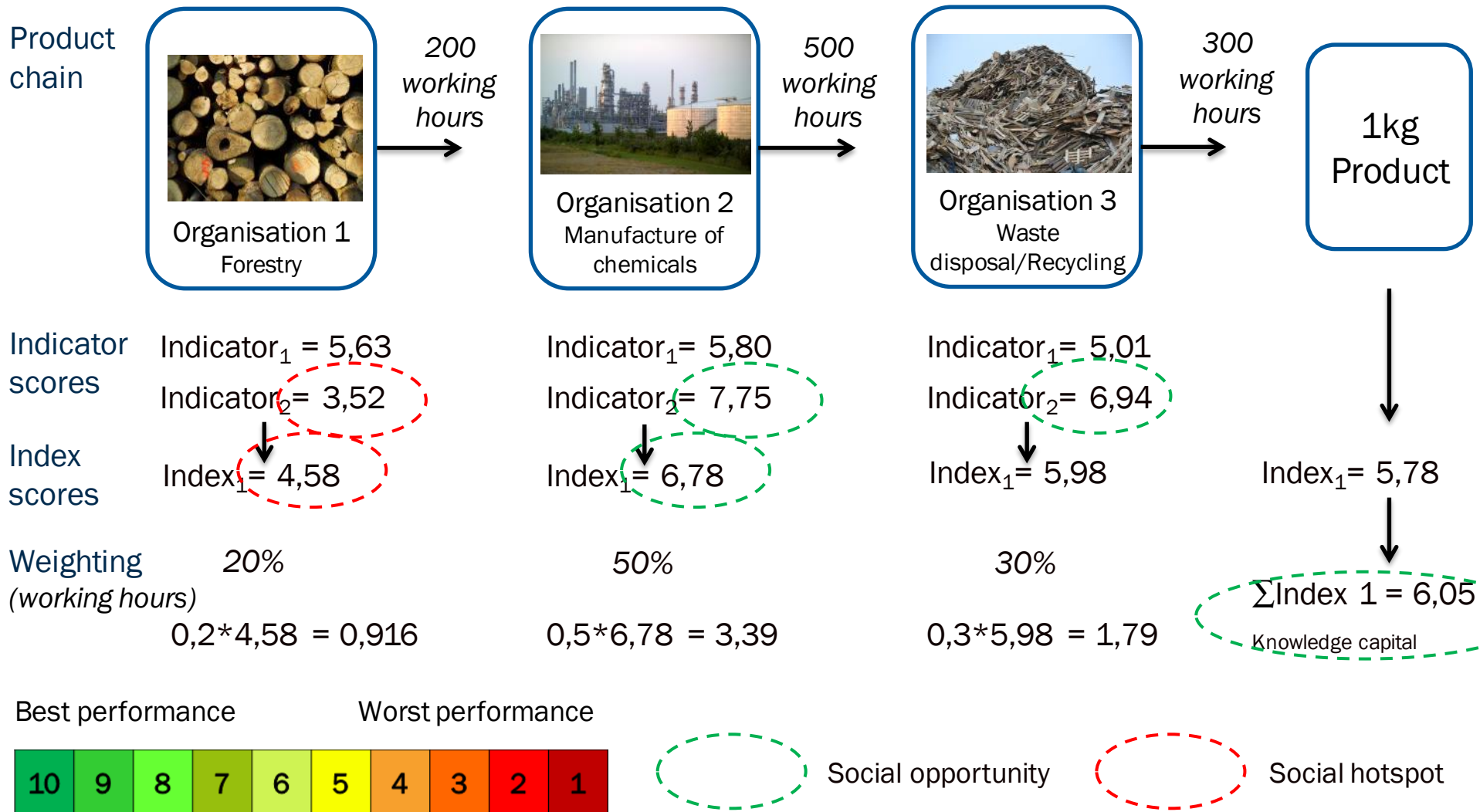
Score: 7,75



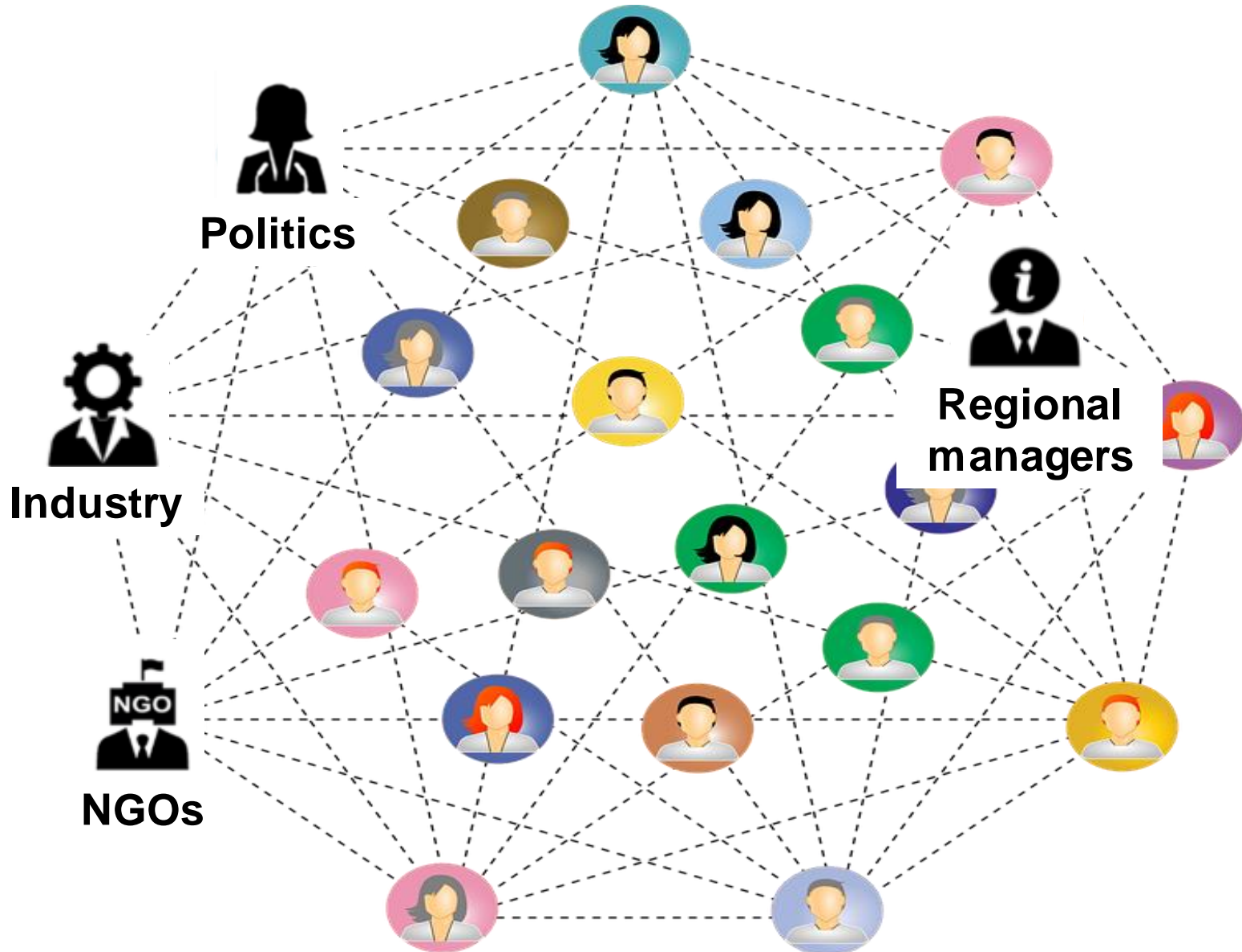
Score: 6,94



Exemplary result for one of the seven indices „knowledge capital“



Who will use our results?



- This tool helps us to assess and monitor social implications from wood-based products produced in a German bioeconomy region.
- Applies a context-specific indicator set and allows a sector-specific and national characterisation.
- Assessment according to the socio-economic conditions in Germany and the sector the organisations in the product system are operating in.
- Producer can evaluate their social performance according to their competitors.
- Detailed results that can be directly related to the product.

Thank you for your attention!

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