



innopolis
UNIVERSITY

GQM and GQM+Strategies

Example: a diet

Diet: Goal

Goal: Why do you need a diet?



Diet: Metric

How do you measure the Goal?

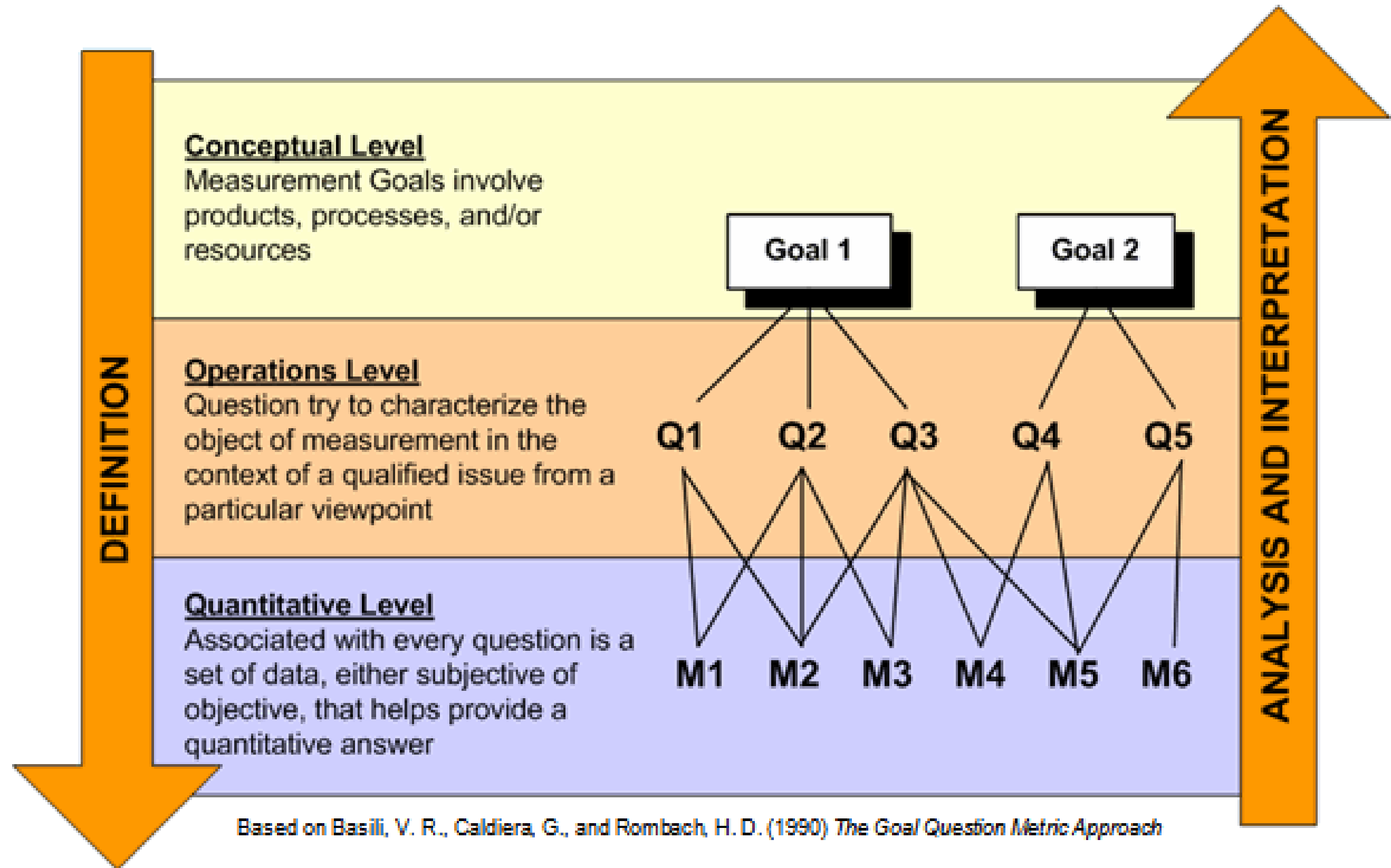


Diet: Question

What connects Goal and Metrics?



GQM paradigm



Goal Definition Template

Object {the name of activity or attribute}

Purpose {overall goal}

Focus {the aspect to be considered}

Viewpoint of {interested people}

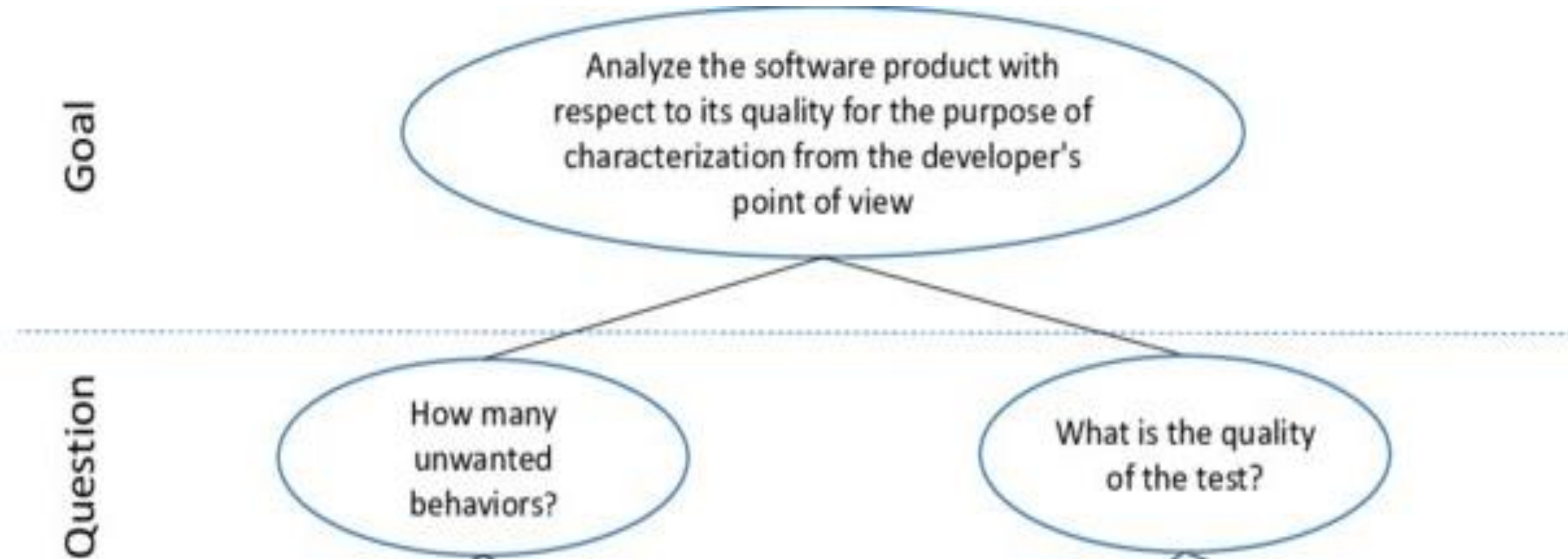
Environment {specific context}

Example of Goal

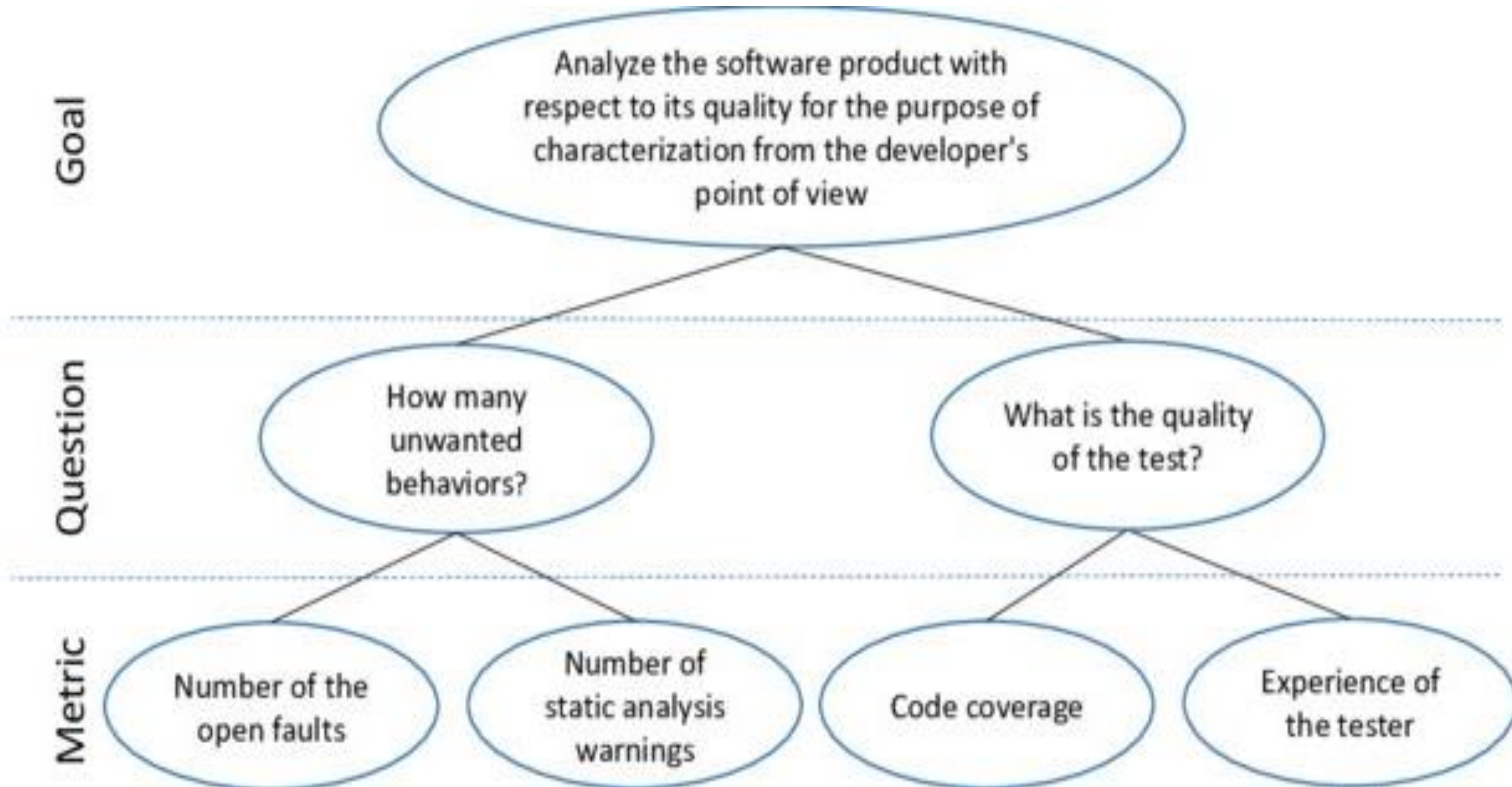
Goal

Analyze the software product with respect to its quality for the purpose of characterization from the developer's point of view

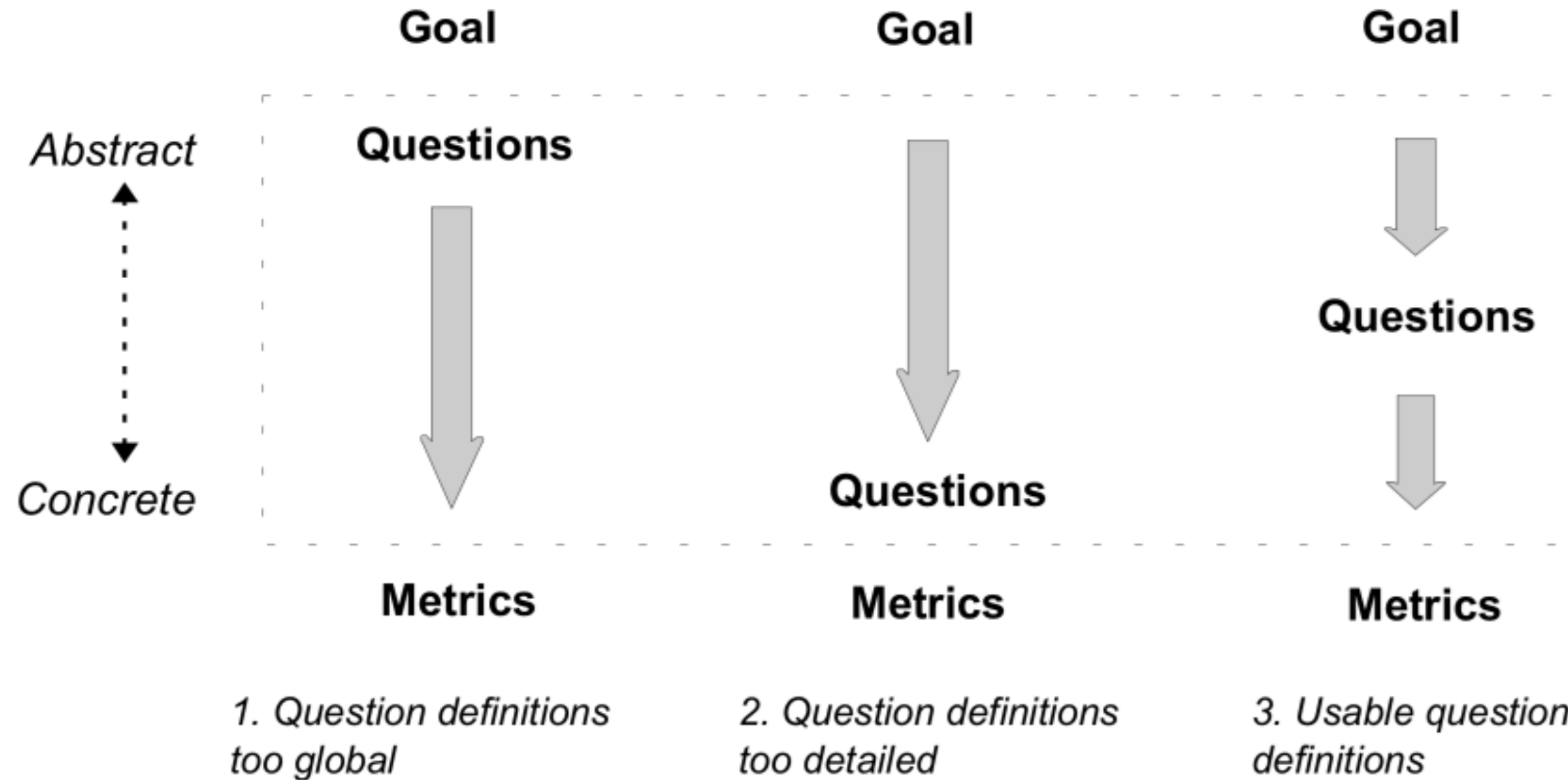
Examples of Questions



Examples of Metrics

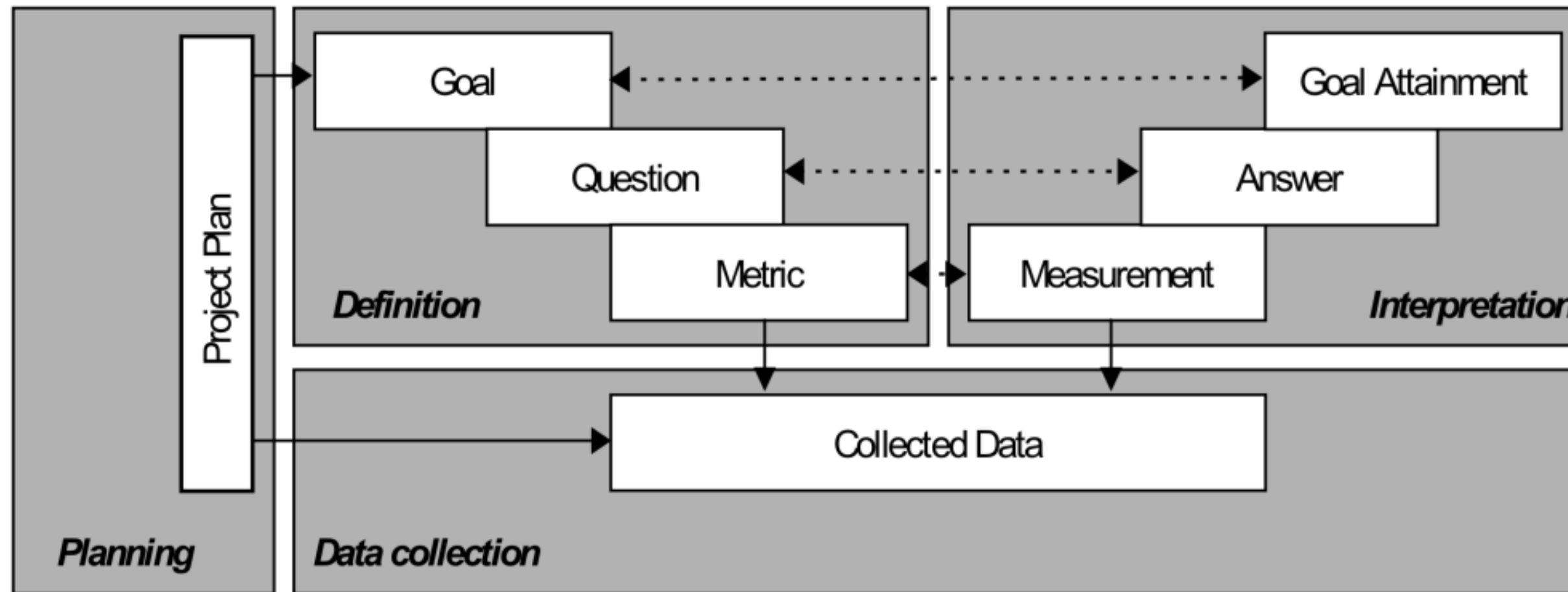


GQM Question



Phases of GQM

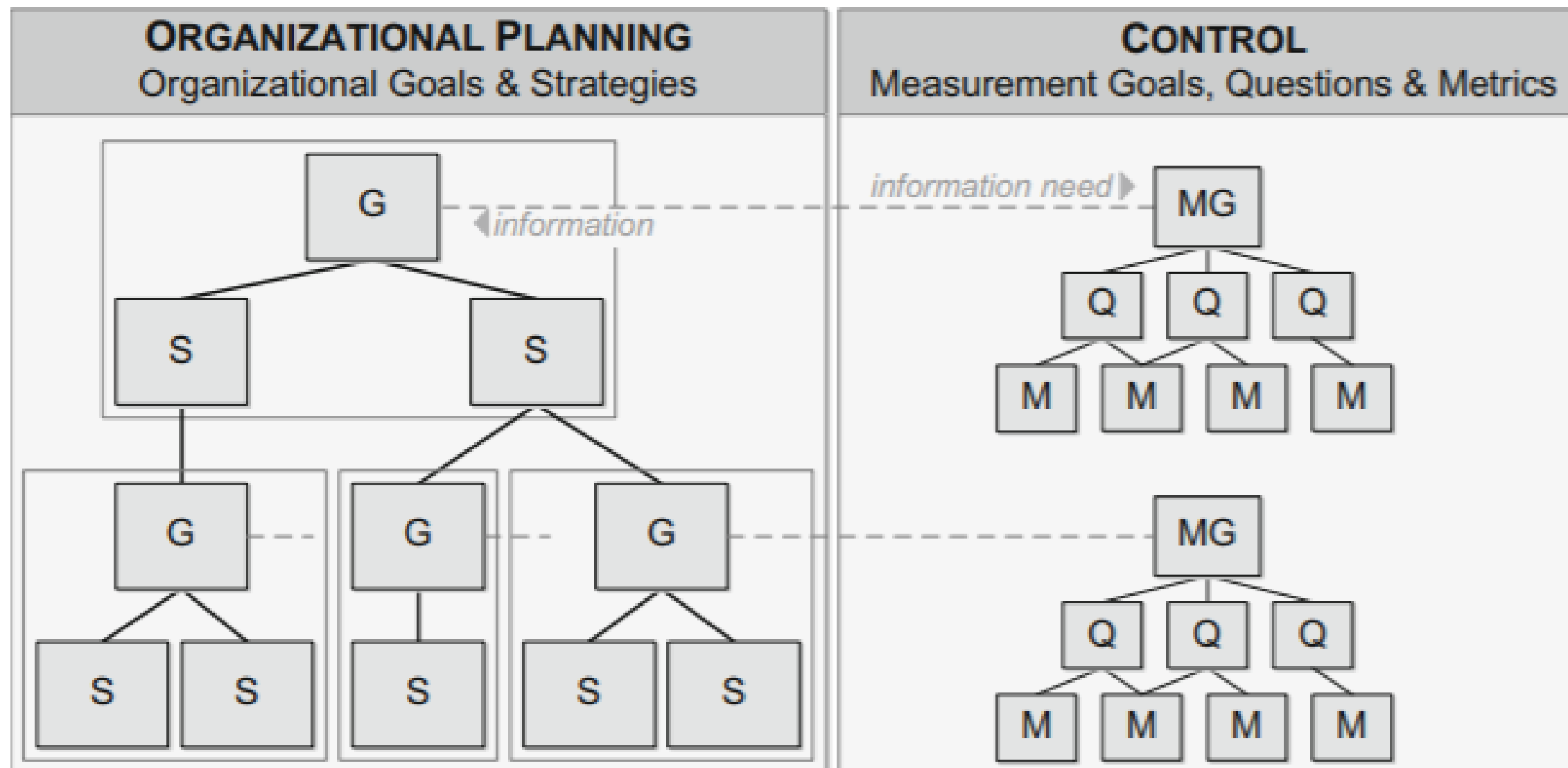
- Planning
- Definition
- Data collection
- Interpretation



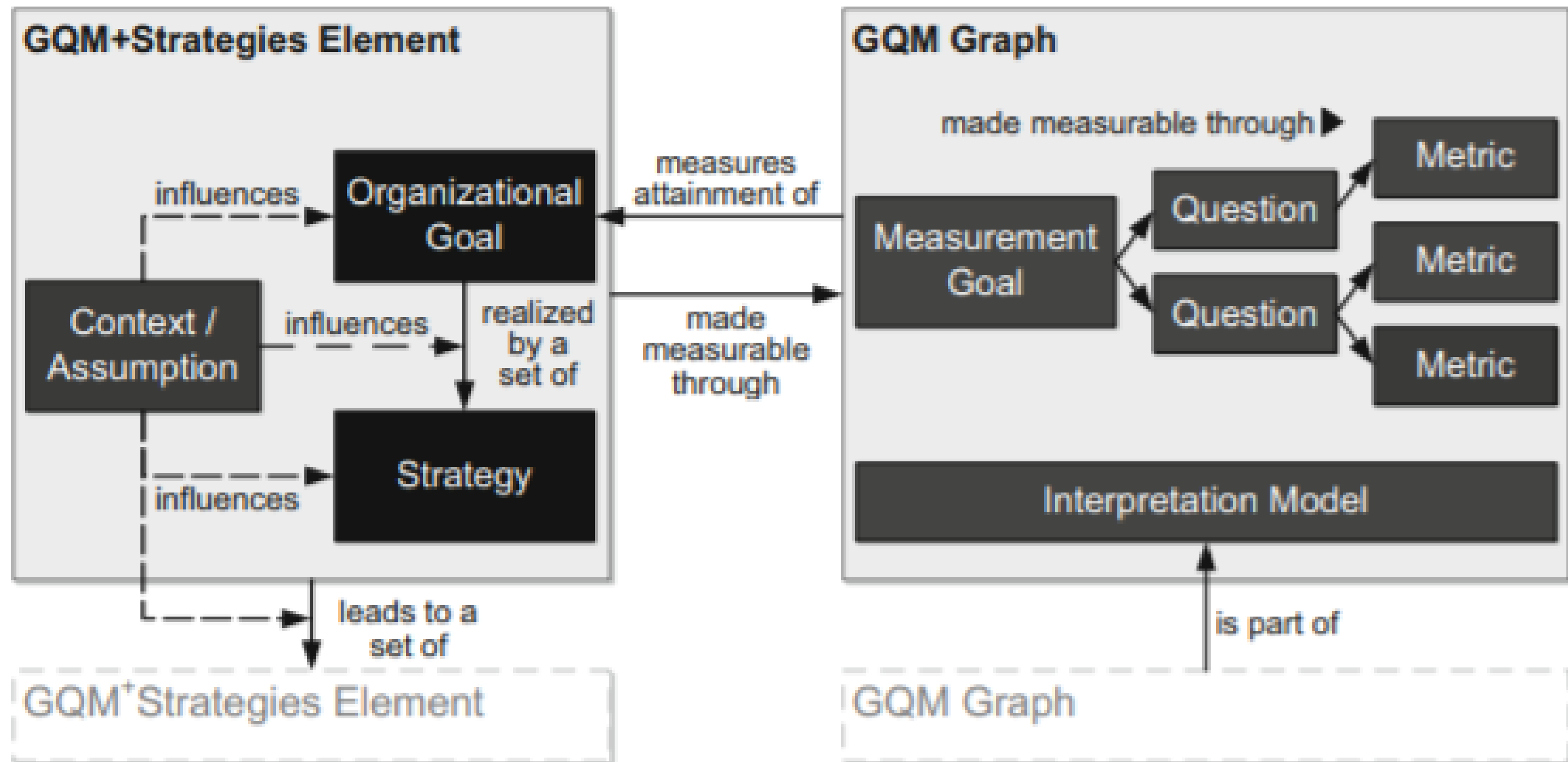
GQM+Strategies

Approach for aligning the goals and strategies of an organization:

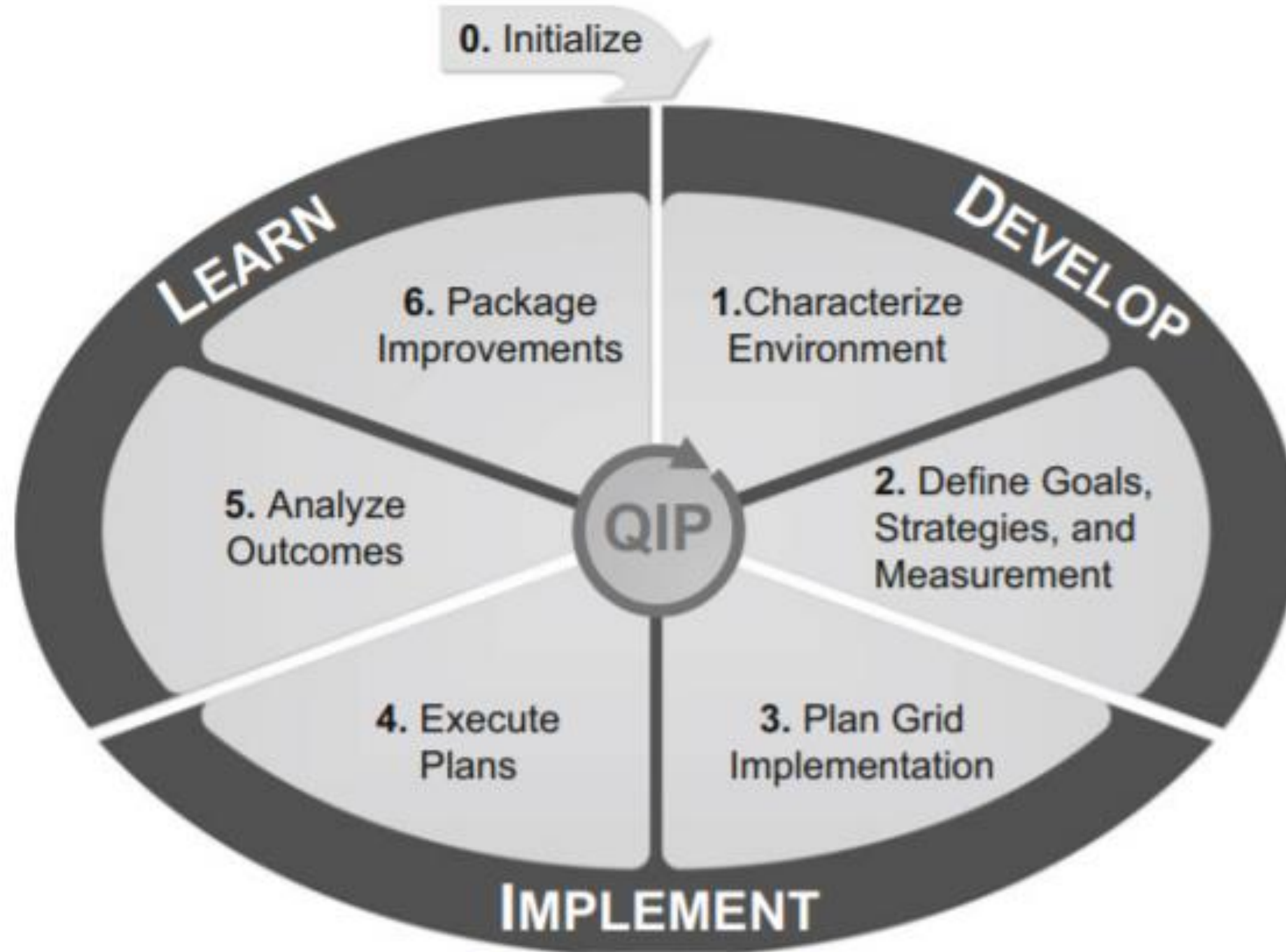
- **Goals** are future **states** the organization wants **to achieve**.
- **Strategies** are any **actions** defined **for obtaining** these goals.



GQM+Strategies grid



GQM+Strategies process



GQM+Strategies benefits

- improves organizational effectiveness by getting the entire organization to work in the same strategic direction (means for *alignment*).
- optimizing efficiency through continuous monitoring of the attainment of goals and strategies, which allows for immediately initiating countermeasures when attainment of a goal is threatened (means for *decision-making*).
- the whole structure provides a means for transparently communicating goals, strategies, and the required data to the organization (means for *communication*).

References

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