



# Environmental Sustainability in Business Process Management

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## Introduction

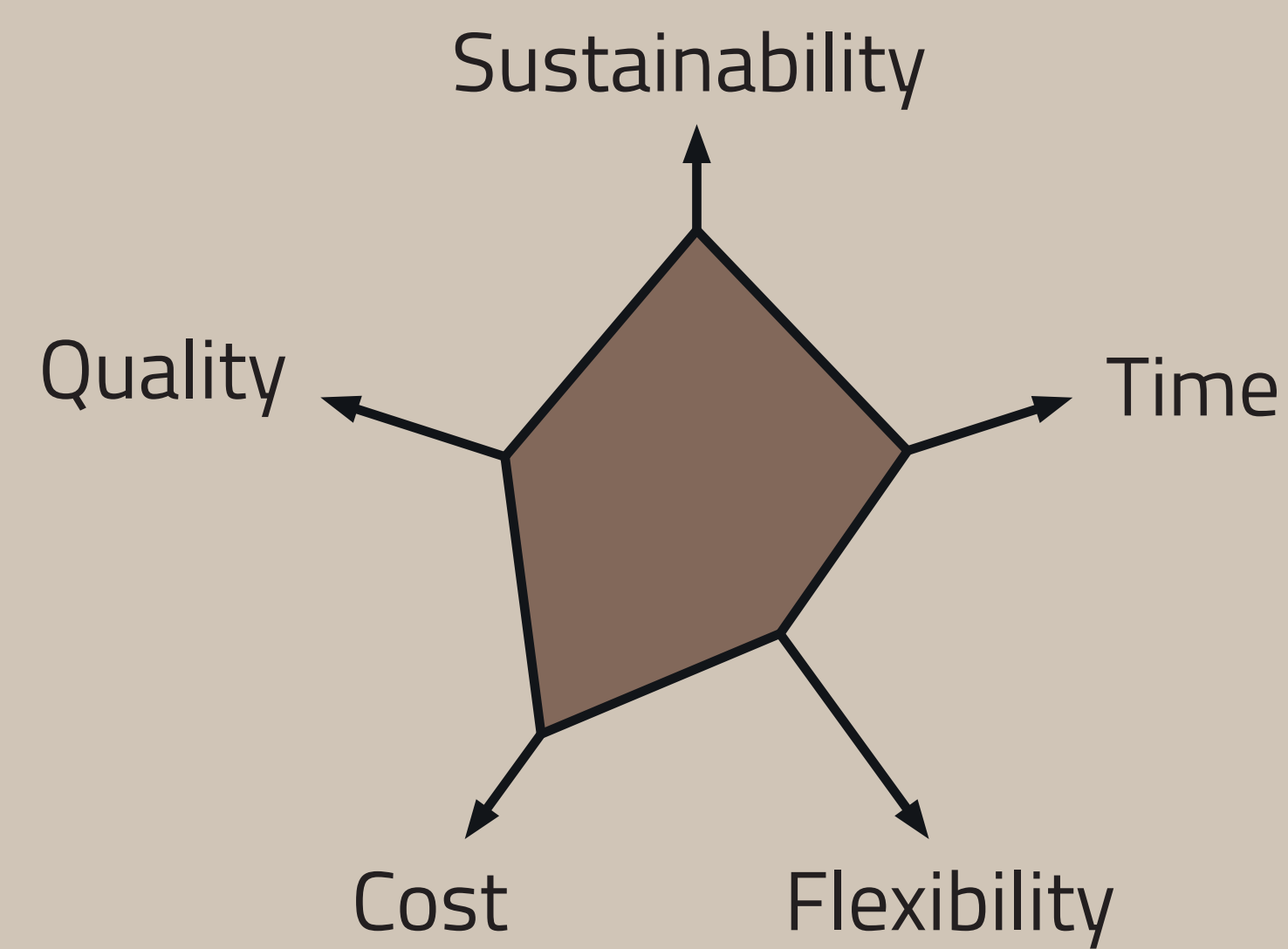
Organisations are increasingly concerned with environmental sustainability for various reasons

- Legislative
- Economic
- Ecological
- Societal

Quantifying sustainability performance across different dimensions is necessary for fulfilling legislative requirements and evaluating improvement efforts

## Green BPM

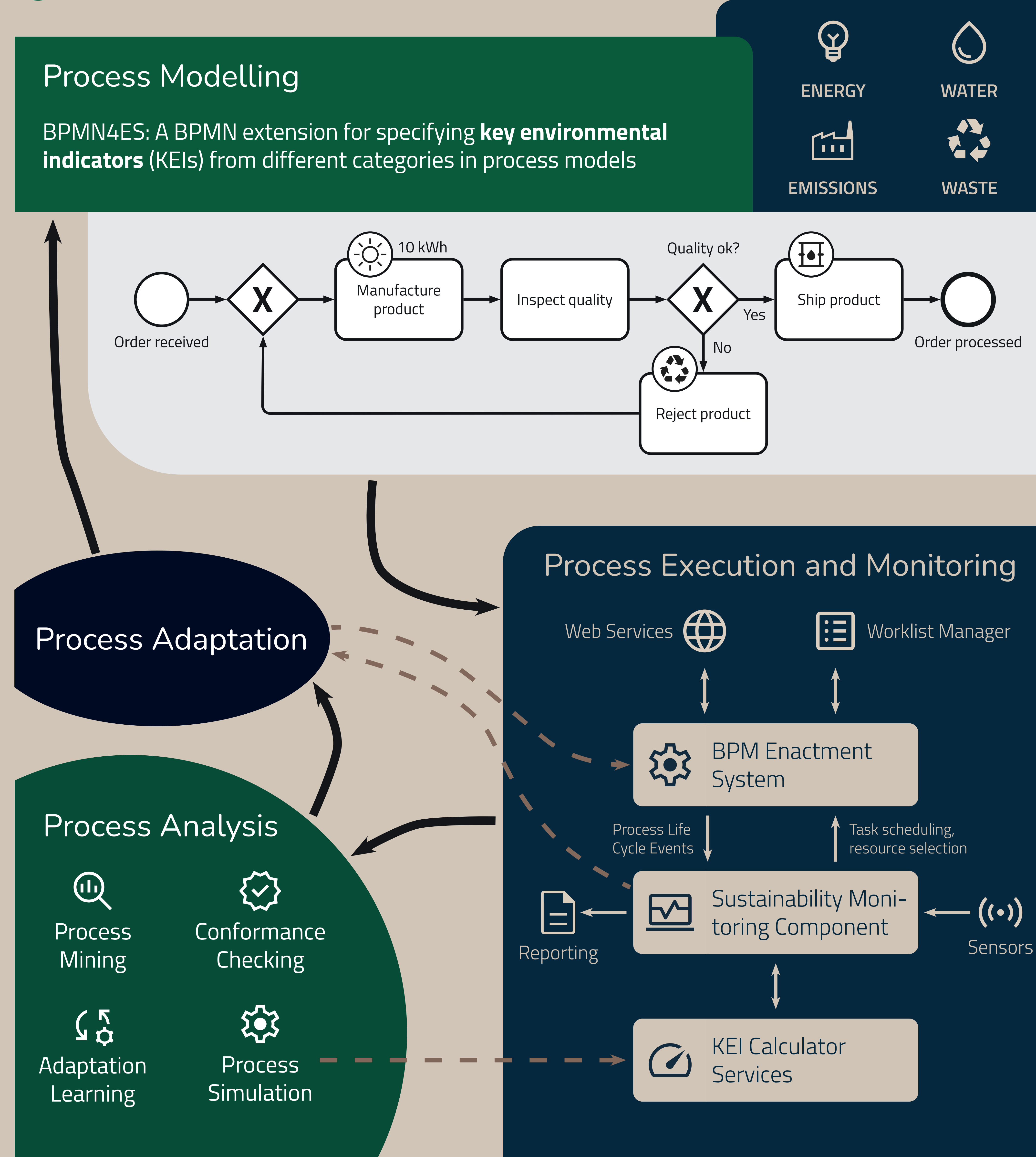
Sustainability as additional performance dimension alongside traditional economic dimensions



## Problem

Existing Green BPM research and initiatives focus on **specific life cycle phases** or **particular environmental performance indicators** such as carbon emissions or energy consumption

## Green BPM Life Cycle



## Next Steps

- Complete BPMN extension: first version includes indicators for energy and one indicator for other categories
- Continue working towards attaining full life cycle coverage, starting with the execution and monitoring phase
- Further develop calculator services (prototype for carbon emissions realised)
- Optimisation of multiple KEIs or KPIs
- Account for impact of execution infrastructure
- Adaptation for process performance improvement

## References

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