

## **CHALMERS**

## **Chalmers Publication Library**

### Sustainable Manufacturing Maturity Model: Concept and Applications

This document has been downloaded from Chalmers Publication Library (CPL). It is the author's version of a work that was accepted for publication in:

#### Citation for the published paper:

Barletta, I. (2017) "Sustainable Manufacturing Maturity Model: Concept and Applications".

Downloaded from: http://publications.lib.chalmers.se/publication/248441

Notice: Changes introduced as a result of publishing processes such as copy-editing and formatting may not be reflected in this document. For a definitive version of this work, please refer to the published source. Please note that access to the published version might require a subscription.

Chalmers Publication Library (CPL) offers the possibility of retrieving research publications produced at Chalmers University of Technology. It covers all types of publications: articles, dissertations, licentiate theses, masters theses, conference papers, reports etc. Since 2006 it is the official tool for Chalmers official publication statistics. To ensure that Chalmers research results are disseminated as widely as possible, an Open Access Policy has been adopted. The CPL service is administrated and maintained by Chalmers Library.



# Sustainable Manufacturing Maturity Model: Concept and Applications



- Need for visual, intuitive internal benchmarking of sustainability-related capabilities
- Enabling continuous improvement in economic, environmental and social sustainability performance

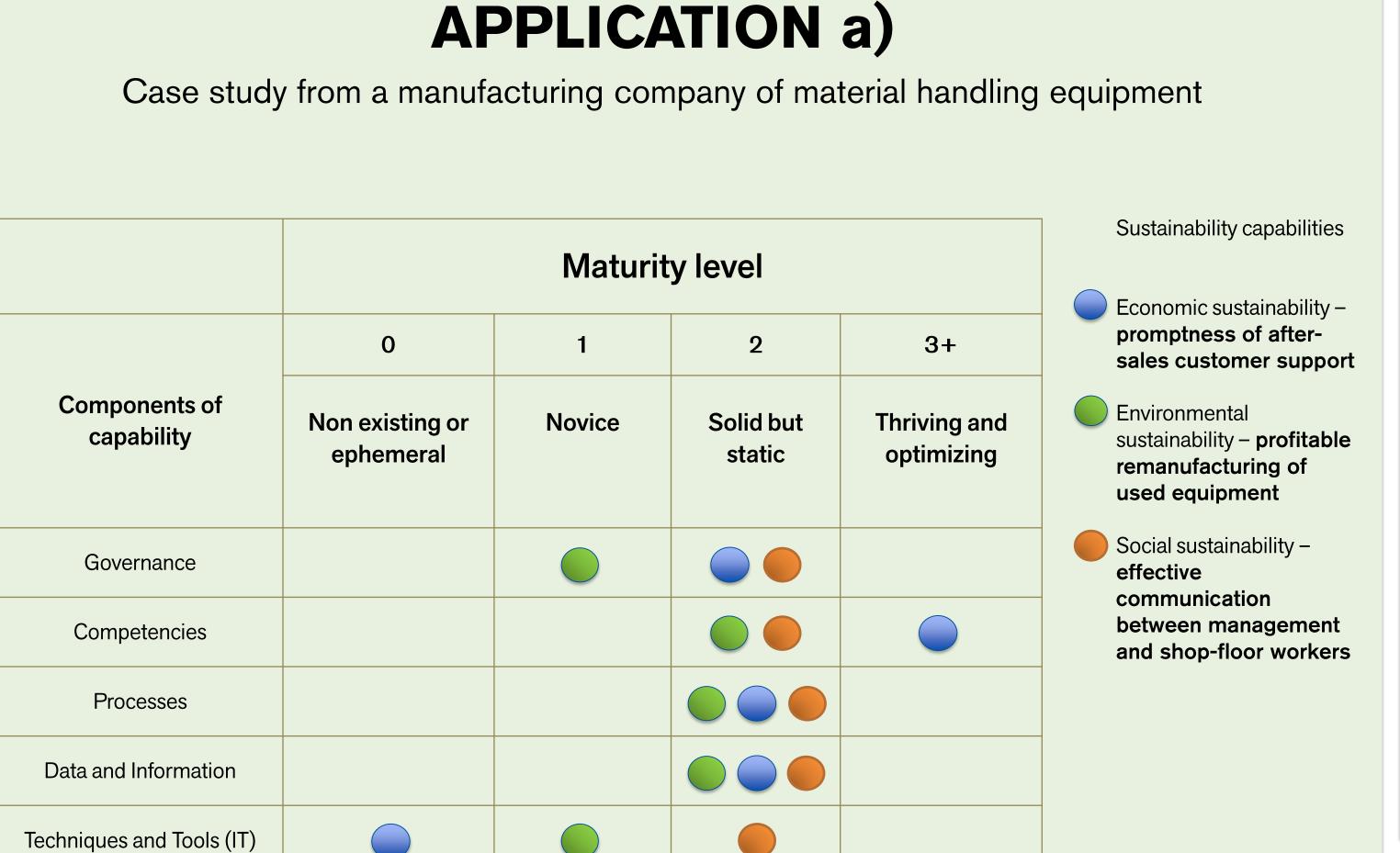
# **GLOSSARY**

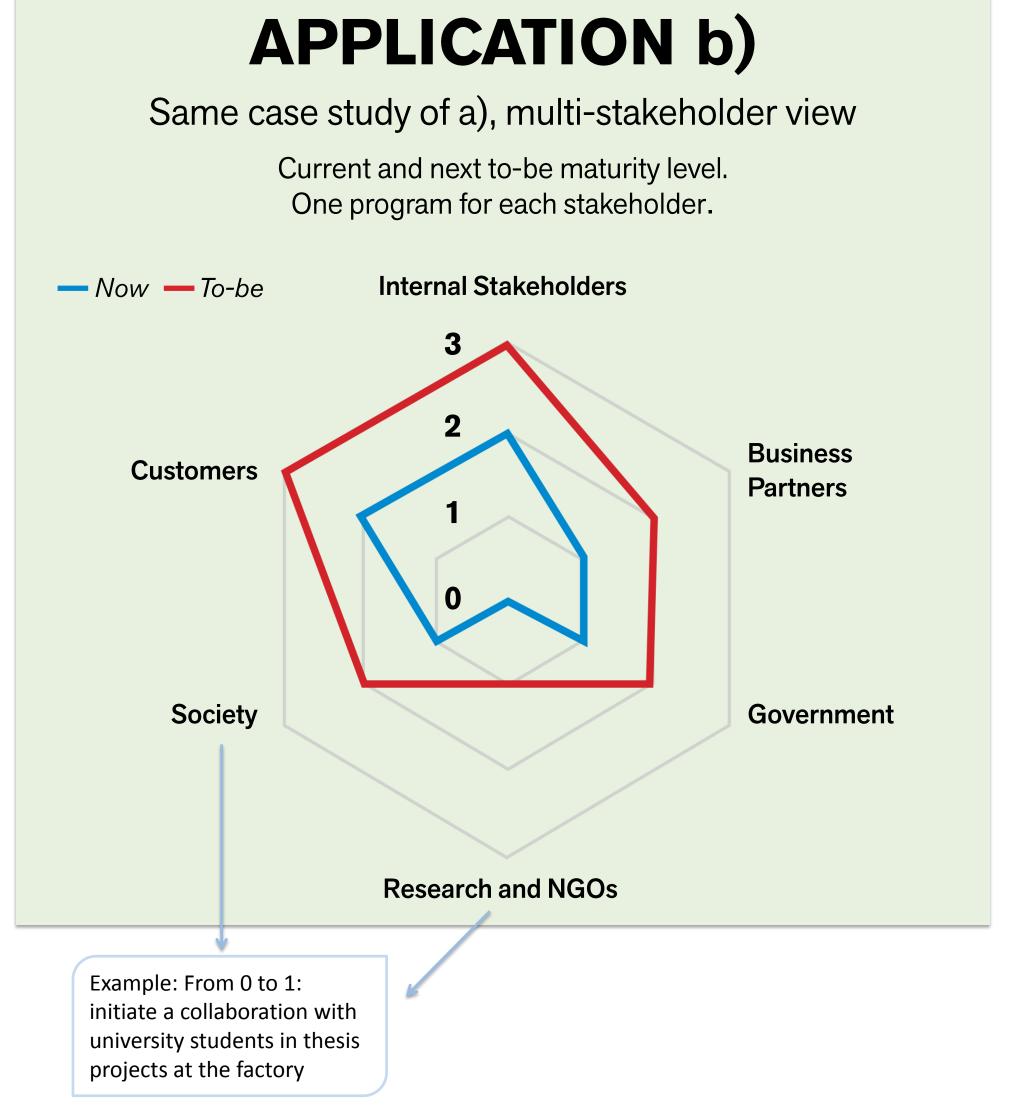
- Sustainability-related capability: the ability to do something well in a way that improves sustainability performances
- A maturity level defines "how well" this ability is ingrained in the organization

# RESEARCH GAP BEING ADRESSED

- Huge offering of sustainability maturity models in consulting
- Applications of sustainability maturity models in manufacturing companies being published are not widespread in the literature and do not rely on a solid method for distinguishing different components of capabilities

## CONCEPT Sustainability-related **Maturity level** capability X 2 3+ Components of Non existing or Novice Solid but static Thriving and capability ephemeral optimizing Governance Capability Capability Capability Capability is fully built not built, is being is in Competencies or difficult to but static continuous establish improvement Processes (no continuous (testing and learning time) improvement) Data and Information Techniques And Tools (IT)





**Collaborators** 







First author **Ilaria Barletta** 

PhD student in Sustainable Manufacturing llaria.barletta@chalmers.se

> Advisor **Björn Johansson**

