



Business Process Maturity Model

- A CMM-based Business Process
Reengineering research

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Project Motives, Goals & Initial Findings

■ Motivations:

- Business Process Maturity hasn't been well defined and standardized at current stage
- CMM framework is broadly implemented and regularly refined to fit various industries
- This is our hypothesis CMM framework

■ Current Goals:

- To find out the feasibility of creating Business Process Maturity Model (PMM) based on CMM framework
- To create fundamental elements/theories to construct/standardize PMM

■ Initial findings:

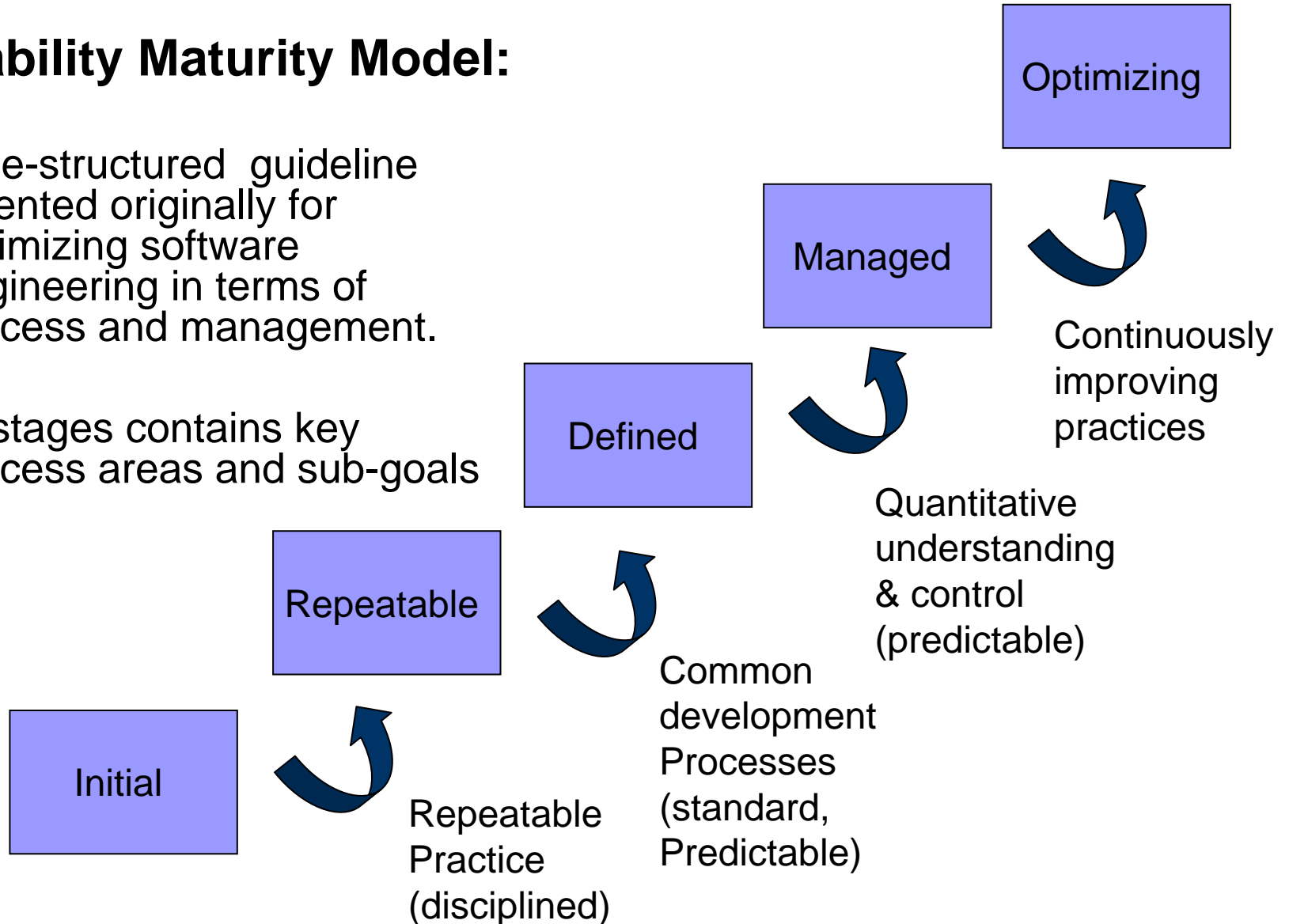
- The possibility of Applying CMM to PMM is currently being studied and tested by expertise from industry and academia
- Our hypothesis is supported by reports/papers that published by field expertise

Introduction of CMM

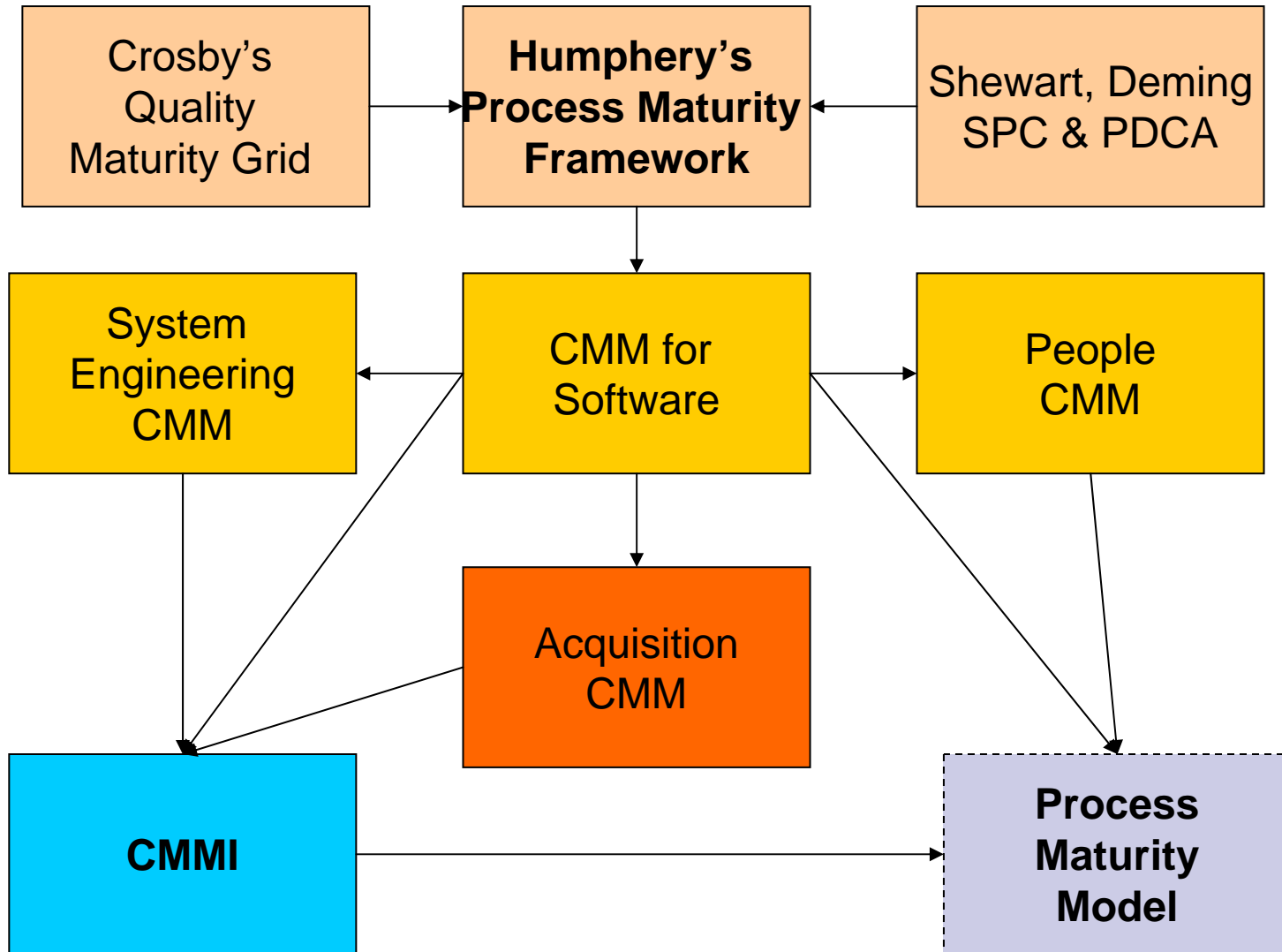
Capability Maturity Model:

A stage-structured guideline invented originally for optimizing software engineering in terms of process and management.

Each stages contains key process areas and sub-goals



History of CMM



(The arrows represent causal relationships)

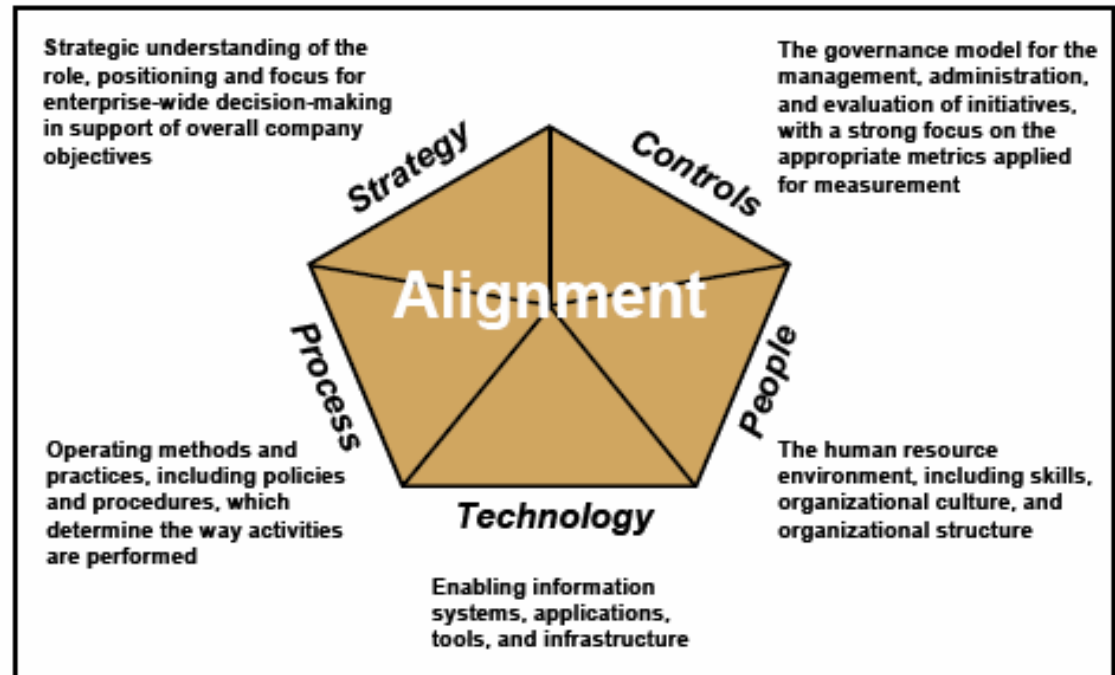
Introduction of PMM

■ General Definition:

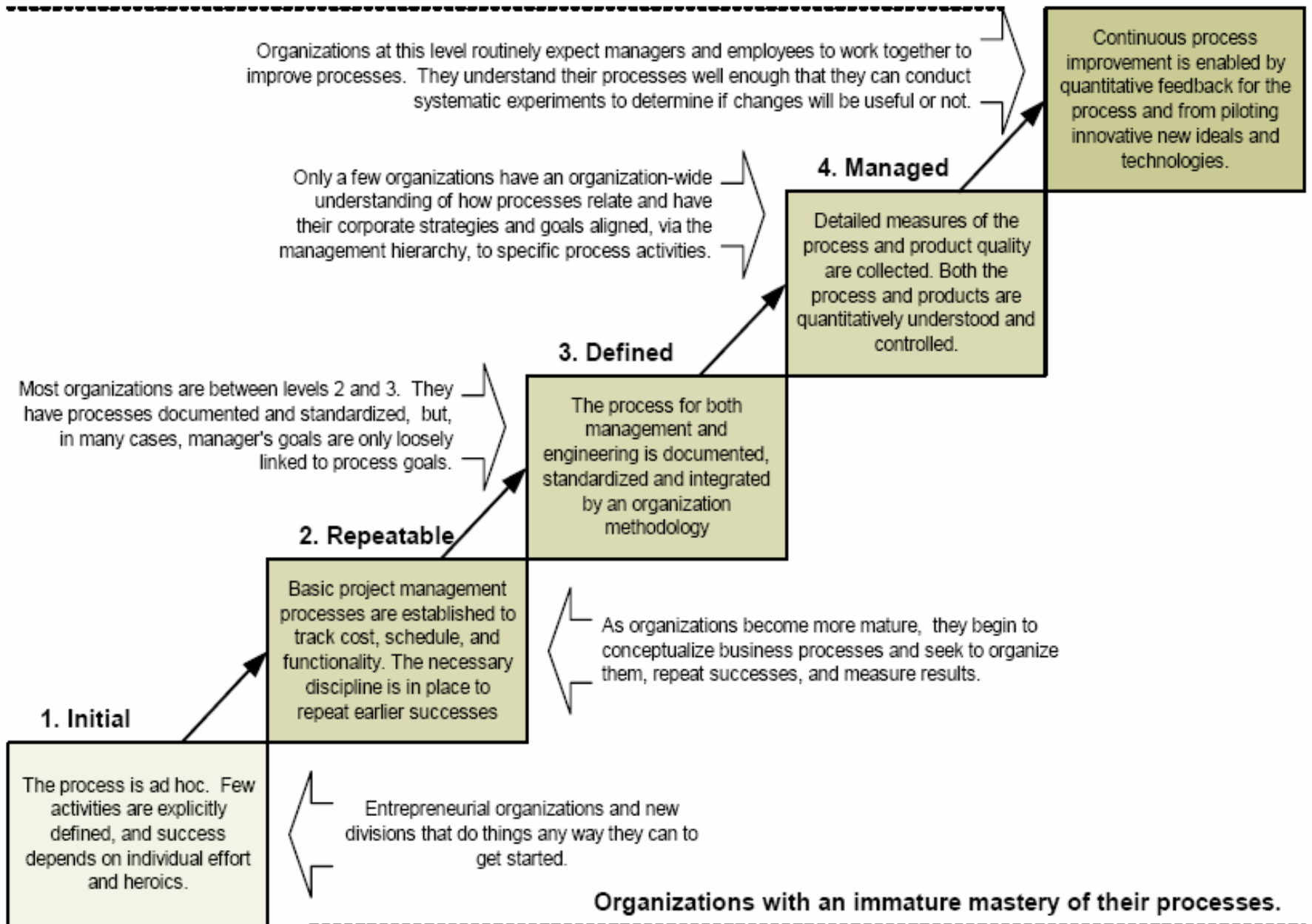
- Business Process: series of work activities existed in businesses
- Maturity = Predictability + Control + Effectiveness

■ In addition to the CMM-like structure:

- PMM must include guidelines on management strategies (planning, executing, monitoring, and controlling)
- PMM must involve business alignment strategies both vertically and horizontally

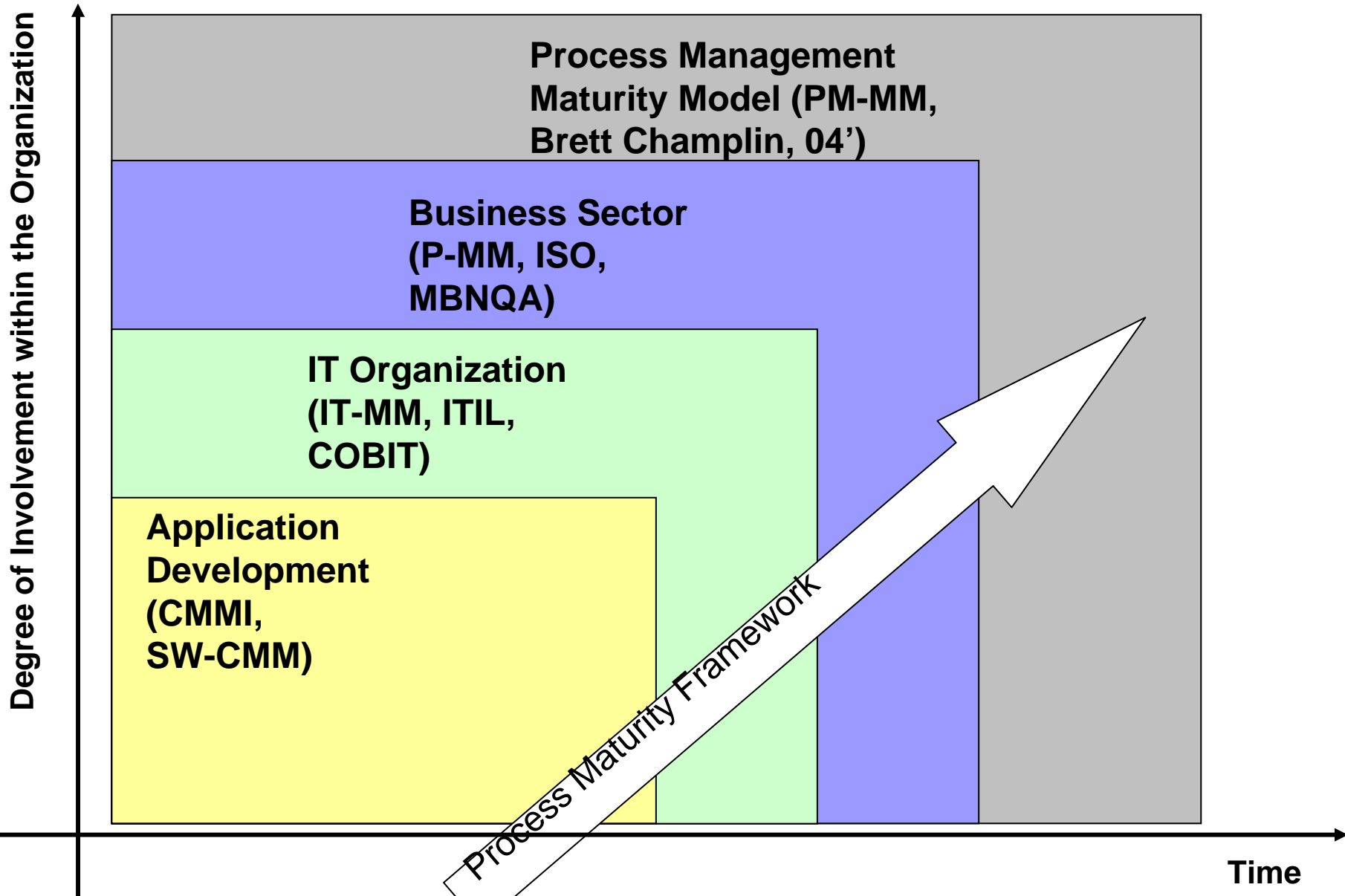


Organizations with an mature mastery of their processes.



(Source: Harmon, "Evaluating an Organization's Business Process Maturity", '04)

Evolution of Maturity Model



Research methods

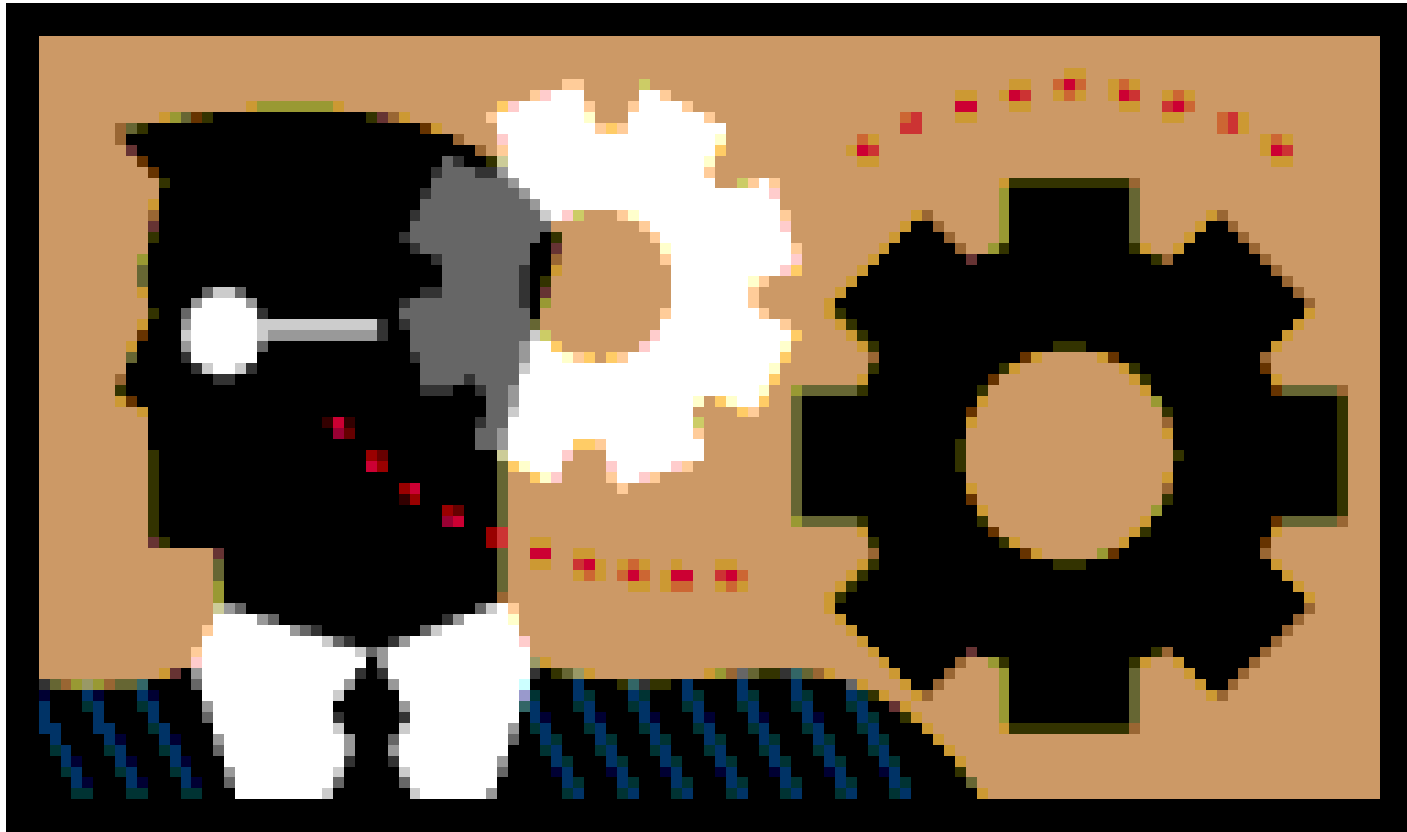
- Examination of existing models:
 - Take inputs from samples cases
 - Simulation and result comparison
- Refining models:
 - Conducting surveys
 - Analyzing laboratory data and survey results by cross-referencing
 - Demo creating
 - Conducting surveys based on resultant demo



Conclusion

- The theory of this project is based on the hypothesis that CMM can be successfully applied on determining maturity of business processes
- The literature research will be continued and focus on published papers that support/against our hypothesis

Question?



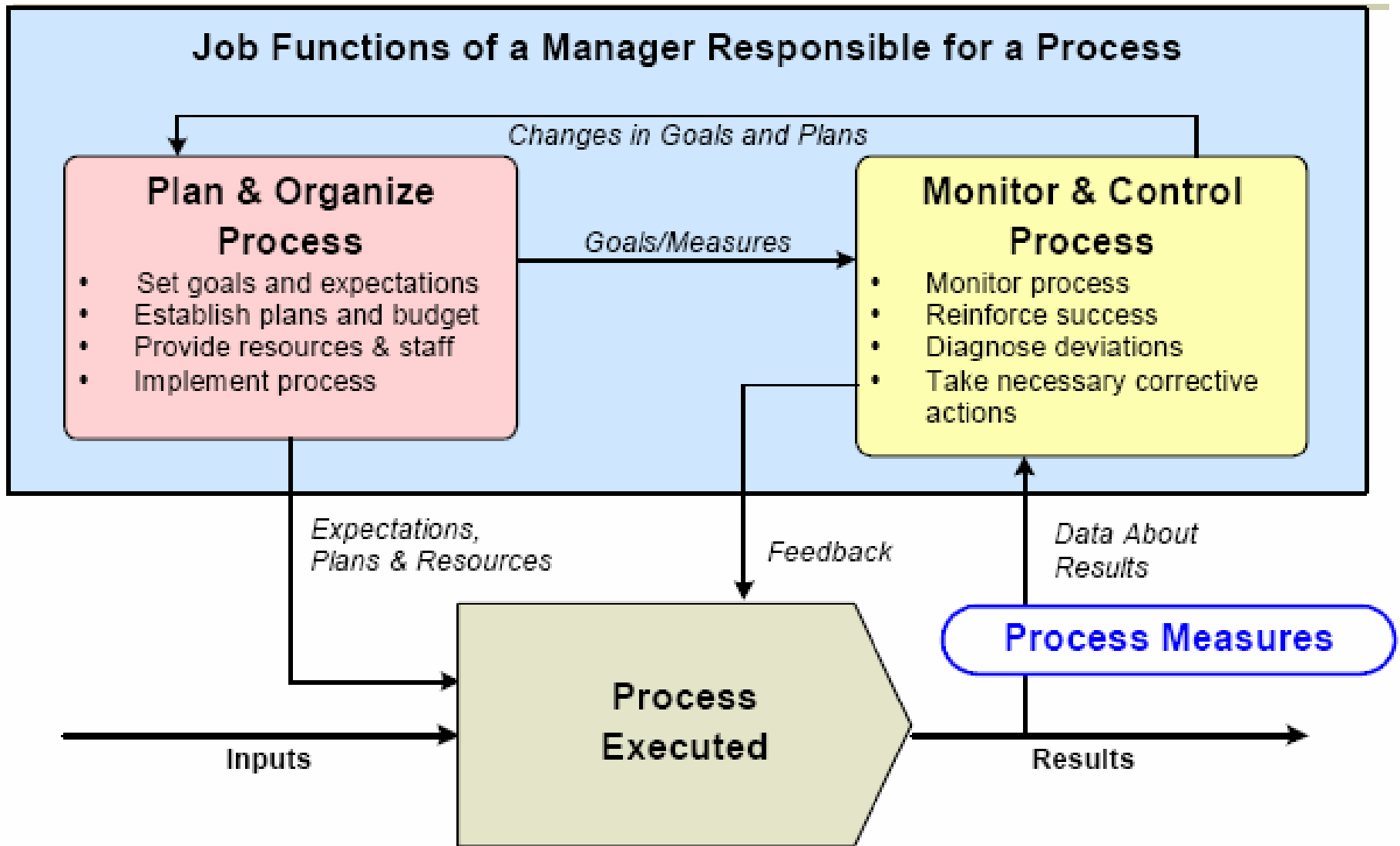
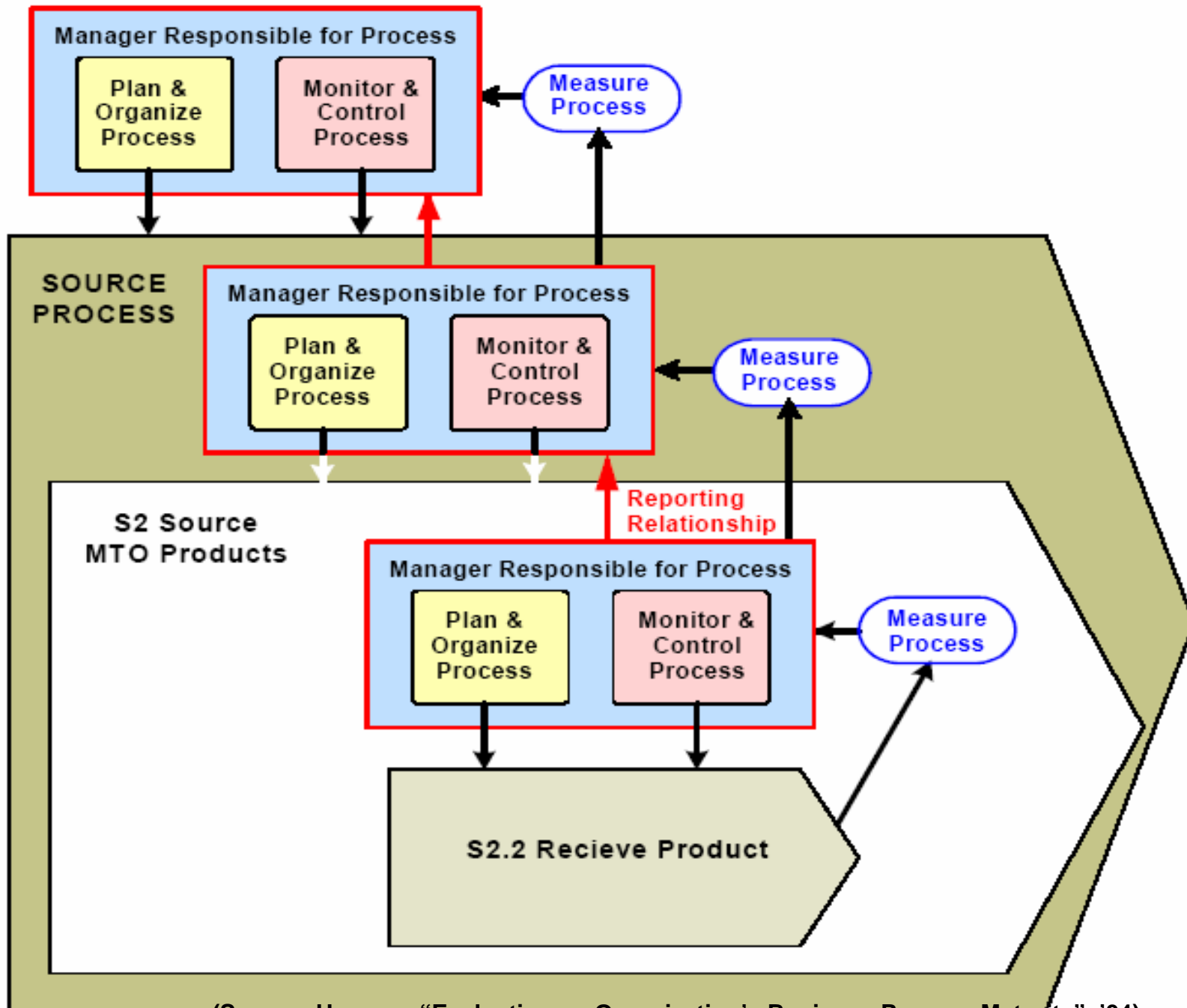
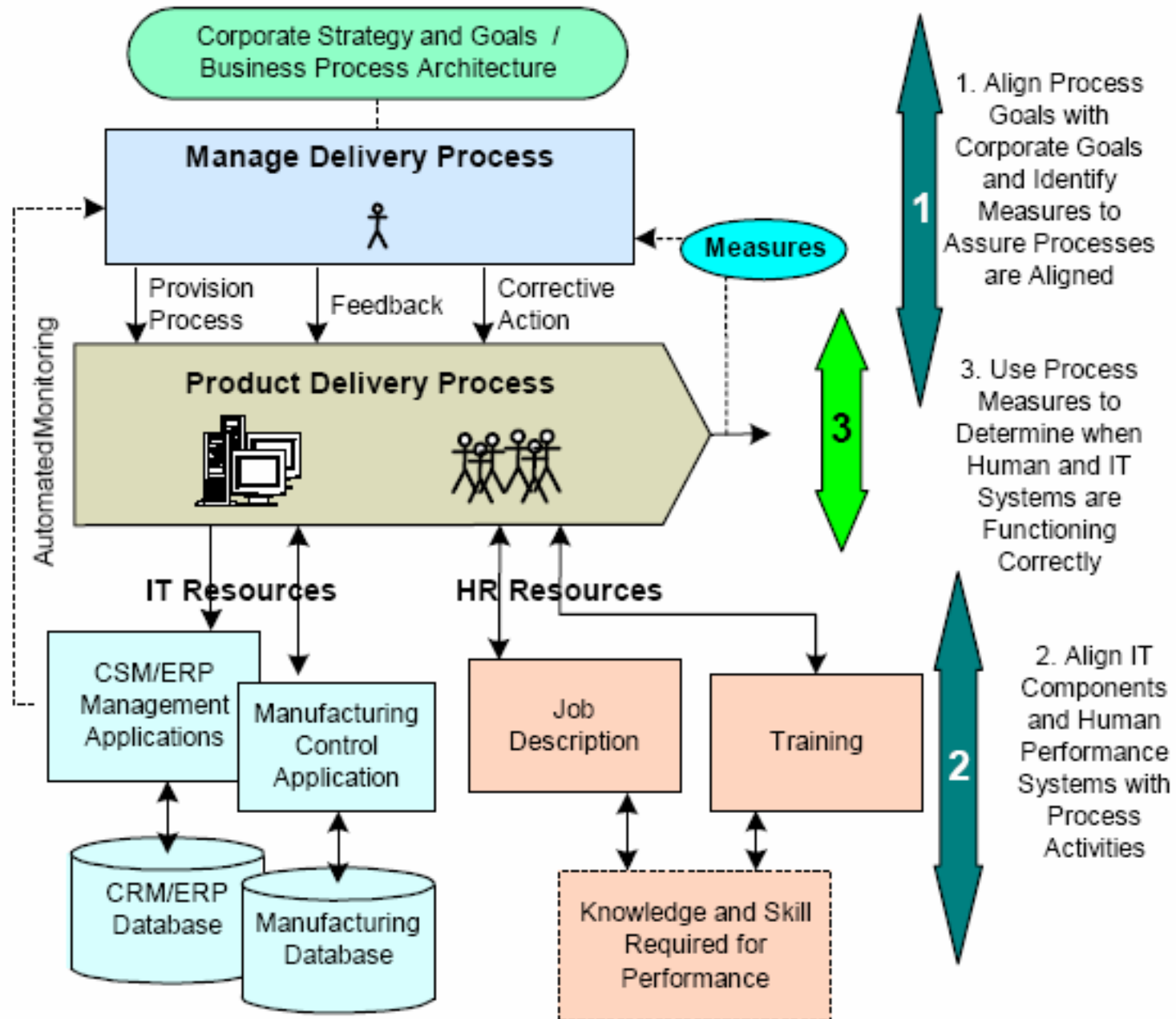


Figure 3. A Basic Process Management Model (After Rummler.)

(Source: Harmon, "Evaluating an Organization's Business Process Maturity", '04)



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