

Complementing Each Other: GQM & DMAIC

GQM

(Goal-Question-Metric)

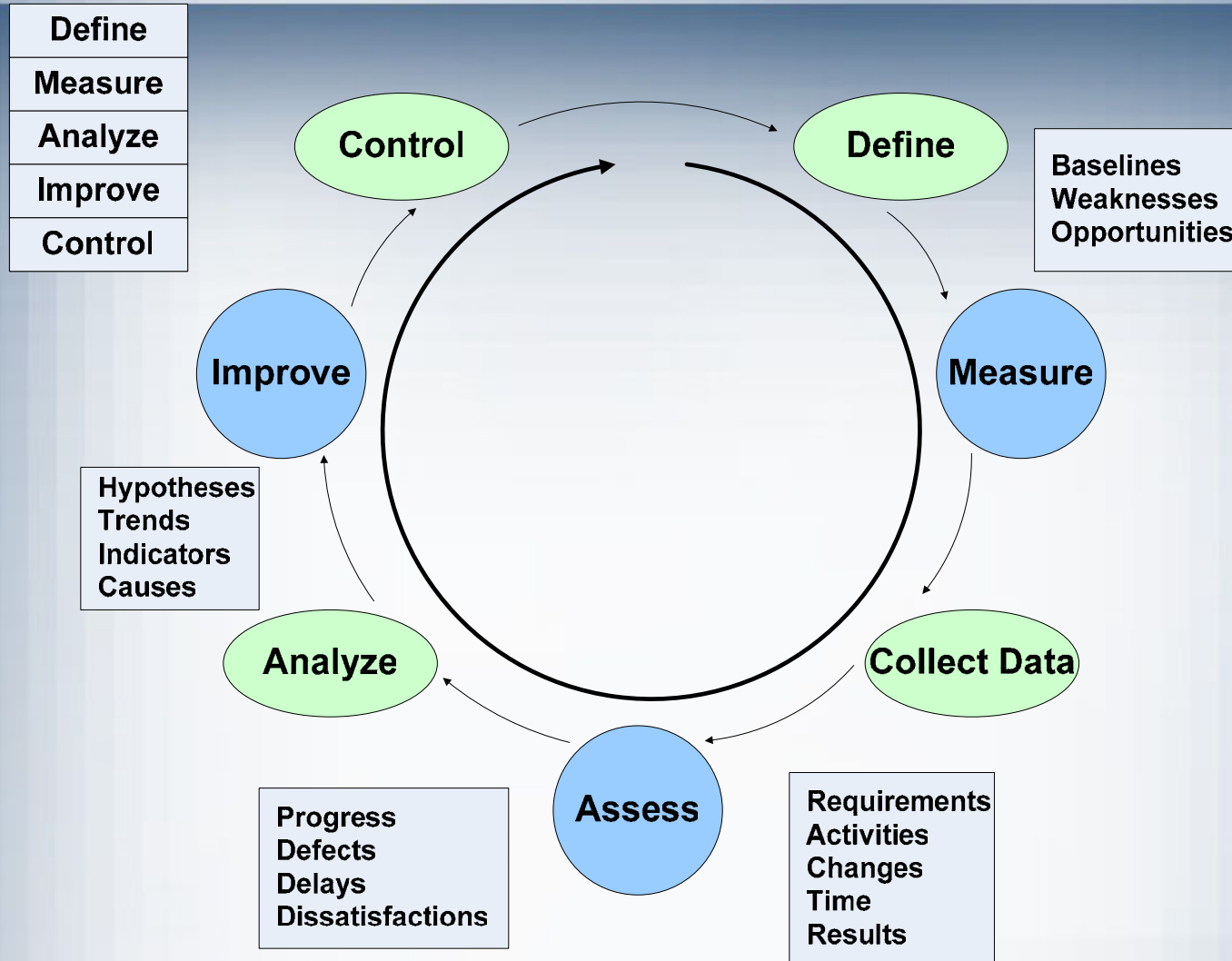
- CMM sometimes criticized for emphasizing repeatability over improving productivity.
- GQM strong in defining metrics appropriate to business goals and nature of the process.

DMAIC

(Define-Measure-Analyze-Improve-Control)

- Six Sigma sometimes criticized as inappropriate for processes characterized by knowledge efforts.
- DMAIC strong in focus on continuous iterative process improvement.

CMM+6σ Process Improvement Cycle



Areas of Concern

- Architecture
 - Design weaknesses
 - General or for new demands
- Bottlenecks
 - Areas for focused attention
- Causal Connections
 - System view of process
 - Root cause analysis