

# CMMI - 1. Continuous meta model

- CMMI represents a process meta-model in two different ways,  
1. continuous model, 2. staged model
- CMMI level 0: **Incomplete** - the process area (ex. requirements mgt) is either not performed or does not achieve all goals and objectives defined by CMM level1
- CMMI level 1: **Performed** - all of the specific goals of the process area have been satisfied
- CMMI level 2: **Managed** - all CMMI level1 satisfied, in addition org. policy handled, WP are monitored, controlled and reviewed, evaluated in front of stakeholders.
- CMMI level 3: **Defined** - above level must be achieved, in addition the process is tailored from the org. standard, guidelines followed and improved using measurement and qualitative assessment.
- CMMI level 4: **Quantitatively managed** : above level must be achieved, in addition the process area is controlled and improved using measurement and qualitative assessment.
- CMMI level 5: **Optimized** -In addition process area is adapted and optimized using quantitative (statistical) means to meet customer needs.

# CMMI - 2. staged meta model for SPI

(sw process Improvement)

- SG & SP (Specific goals and Specific Practices)
- Example: Project Planning is one of eight process areas for project mgt category
- SG1 Establish estimates
  - SP1.1-1 Estimate the scope of the pjt
  - SP1.2-1 Establish estimates of work product and task attributes
  - SP1.3-1 Define Project Life Cycle
  - SP1.4-1 Determine estimates of effort and cost