

De CMM (Capability Maturity Model) a CMMI (Capability Maturity Model Integration)

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Alguna Bibliografía

- ◆ **Carnegie Mellon - Software Engineering Institute,
Capability Maturity Model® Integration (CMMISM),
Version 1.1
CMMISM for Software Engineering
(CMMI-SW, V1.1)**
 - **Continuous Representation**CMU/SEI-2002-TR-028
ESC-TR-2002-028
 - **Staged Representation**
CMU/SEI-2002-TR-029
ESC-TR-2002-029
- ◆ **Kudlick T, Cubed, S.
Carnegie Mellon - Software Engineering Institute, CMMI
Continuous and Staged Representation: Why They are Both
Correct and Both Incorrect**

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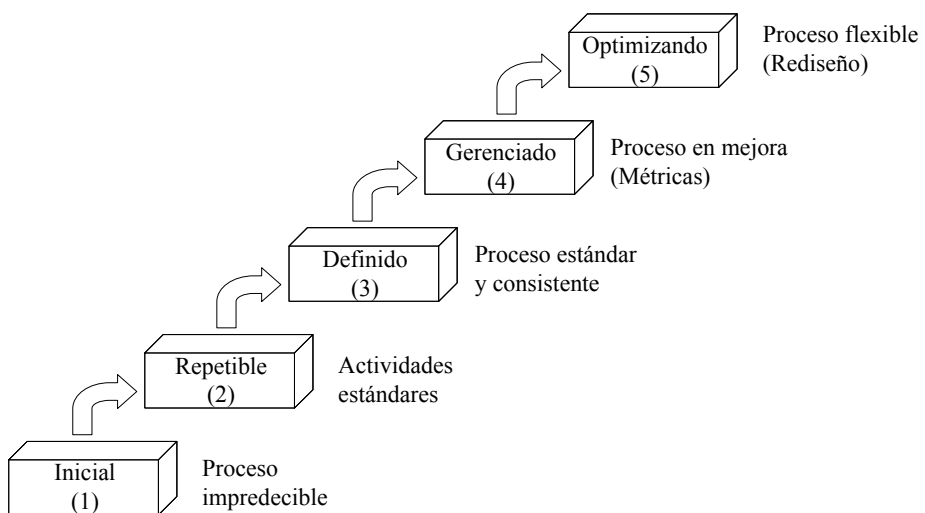
CMM (Capability Maturity Model)

CMM

Estándar establecido para medir la madurez en el proceso de desarrollo de software y brindar un marco para su mejora

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CMM: Niveles de Madurez



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CMM

A fin de impulsar mejoras en las organizaciones, CMM ha desarrollado guías para varias disciplinas :

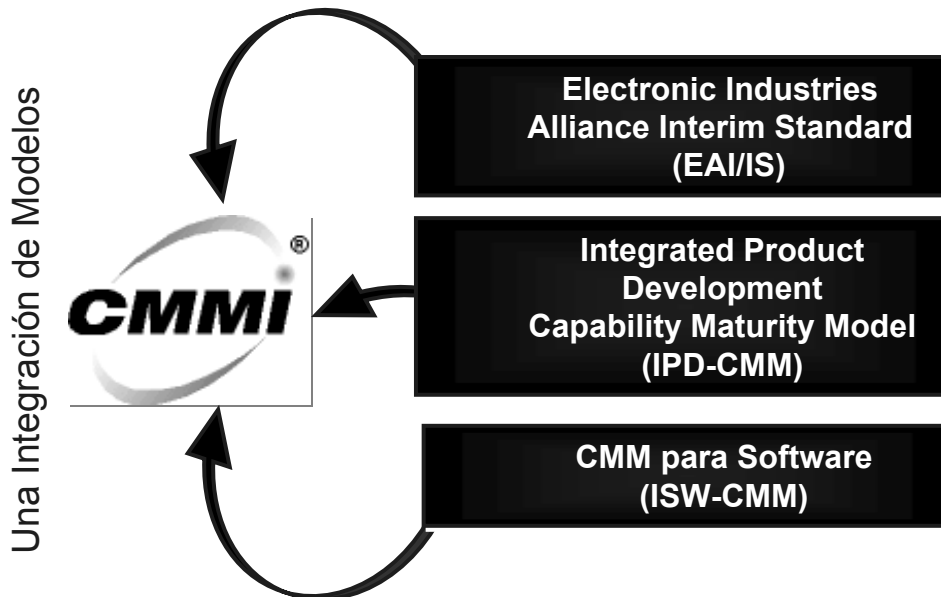
Ingeniería de Sistemas,
Ingeniería de Software,
Adquisición de Software,
Gerencia y Desarrollo de la Fuerza Laboral,
Productos Integrados
Proceso de Desarrollo

Los modelos han sido útiles para las organizaciones

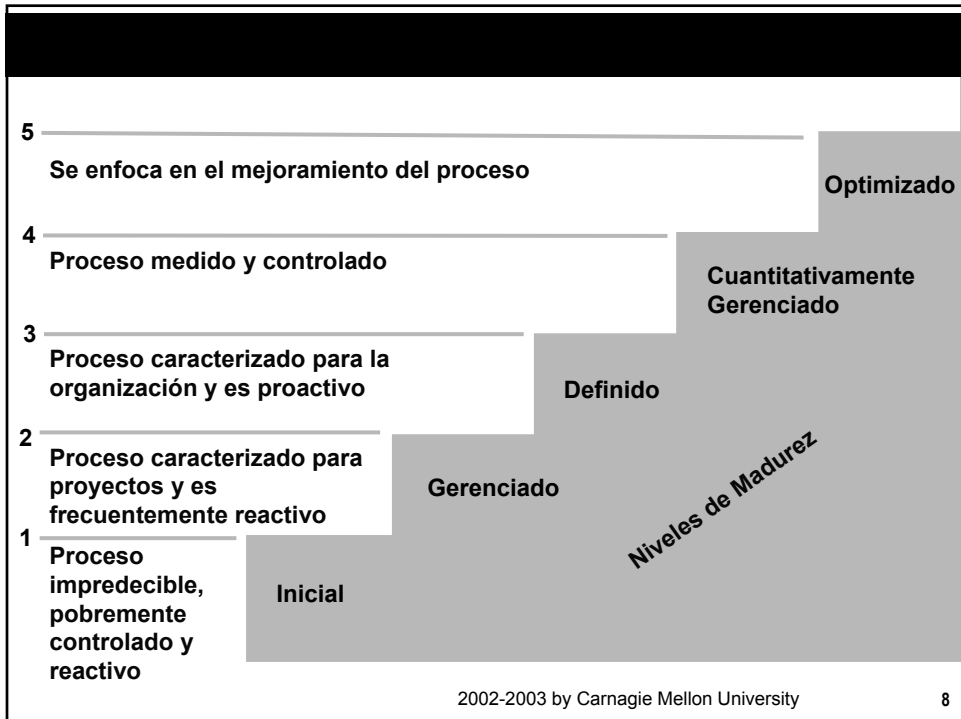
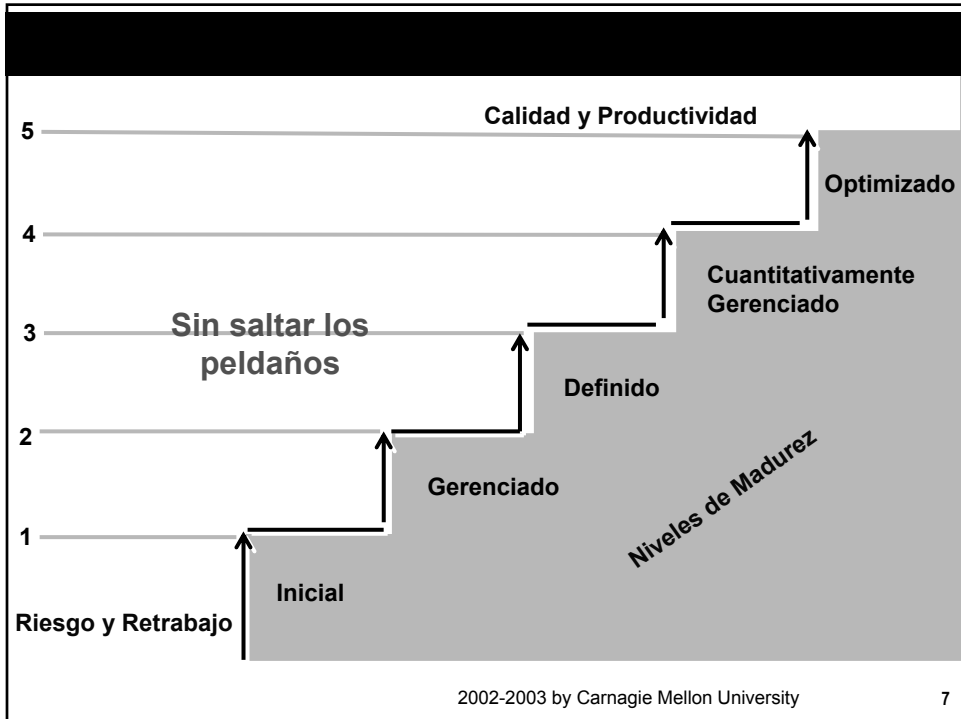
¡El uso de múltiples modelos
ha sido problemático!

5

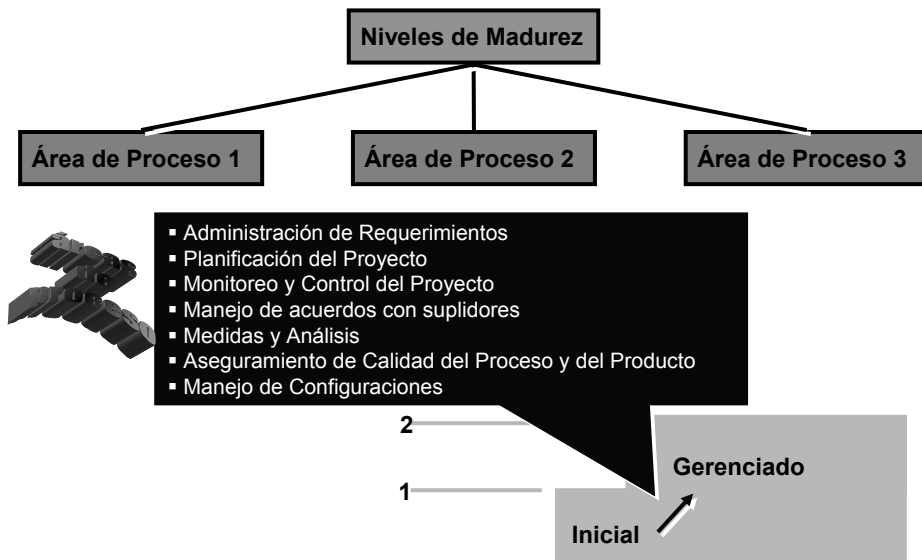
CMMI (Capability Maturity Model Integration)



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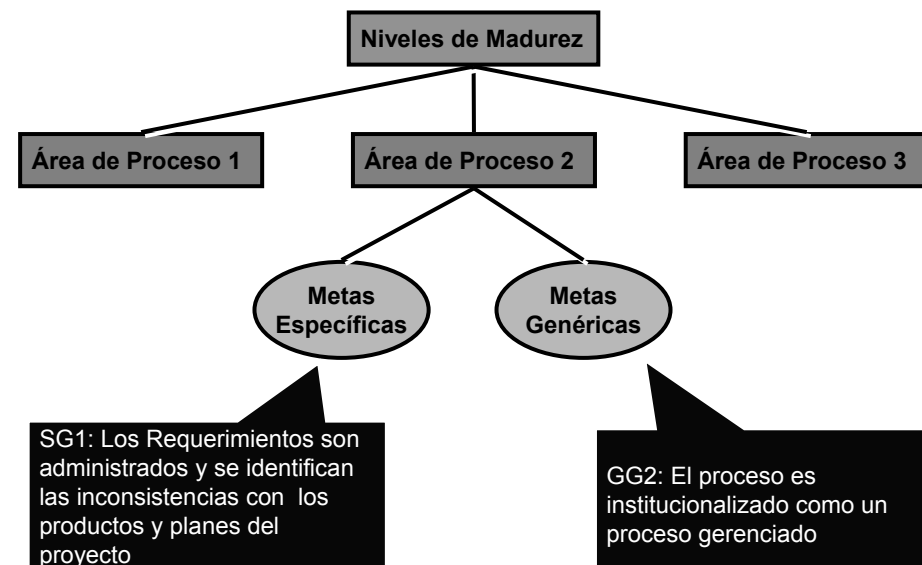


CMMI: Componentes del Proceso



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CMMI: Componentes del Proceso



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CMMI: Componentes del Proceso



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CMMI: Representación por etapas

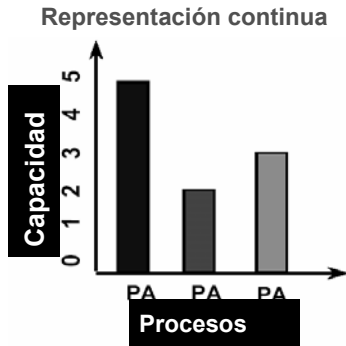


Level	Focus	Process Areas
5 Optimizing	Continuous process improvement	Organizational Innovation and Deployment Causal Analysis and Resolution
4 Quantitatively Managed	Quantitative management	Organizational Process Performance Quantitative Project Management
3 Defined	Process standardization (IPPD) (IPPD)	Requirements Development Technical Solution Product Integration Verification Validation Organizational Process Focus Organizational Process Definition Organizational Training Integrated Project Management Risk Management Decision Analysis and Resolution Organizational Environment for Integration Integrated Teaming
2 Managed	Basic project management	Requirements Management Project Planning Project Monitoring and Control Supplier Agreement Management Measurement and Analysis Process and Product Quality Assurance Configuration Management
1 Performed		

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Carnegie Mellon - Software Engineering Institute, CMMI Continuous and Staged Representation: Why They are Both Correct and Both Incorrect

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CMMI: Representación continua



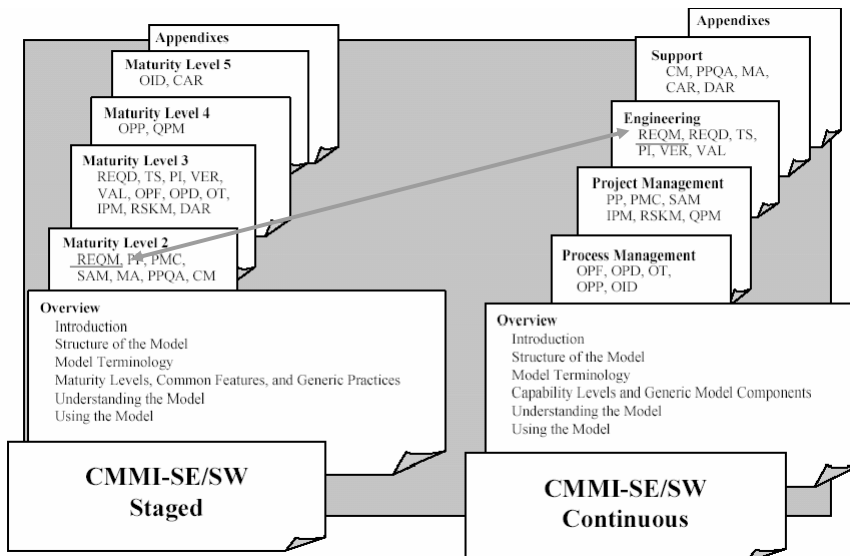
Áreas de Proceso organizadas en cuatro categorías :

- Gerencia del Proceso
- Gerencia del Proyecto
- Ingeniería
- Soporte

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CMMI: Por Etapas vs. Continuo



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