

Biography of a Project



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Project Management Process Groups

- *Initiating processes*

- Defining and authorizing a project or project phase

- *Planning processes*

- Devising and maintaining a workable scheme to ensure that the project addresses the organization's needs

- *Executing processes*

- Coordinating people and resources to carry out the various plans and produce the products, services or results of the project or phase

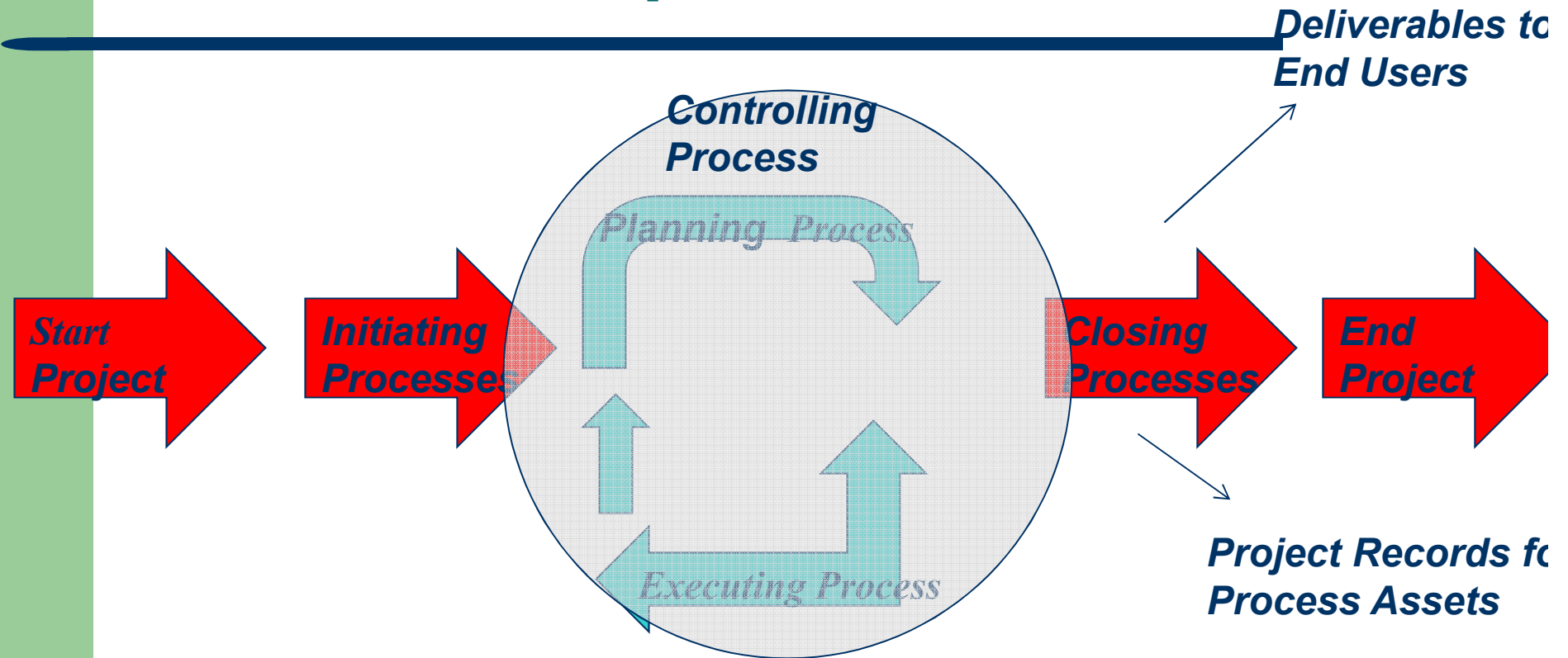
- *Monitoring and controlling processes*

- Regularly measuring and monitoring progress to ensure that the project objectives are met

- *Closing processes*

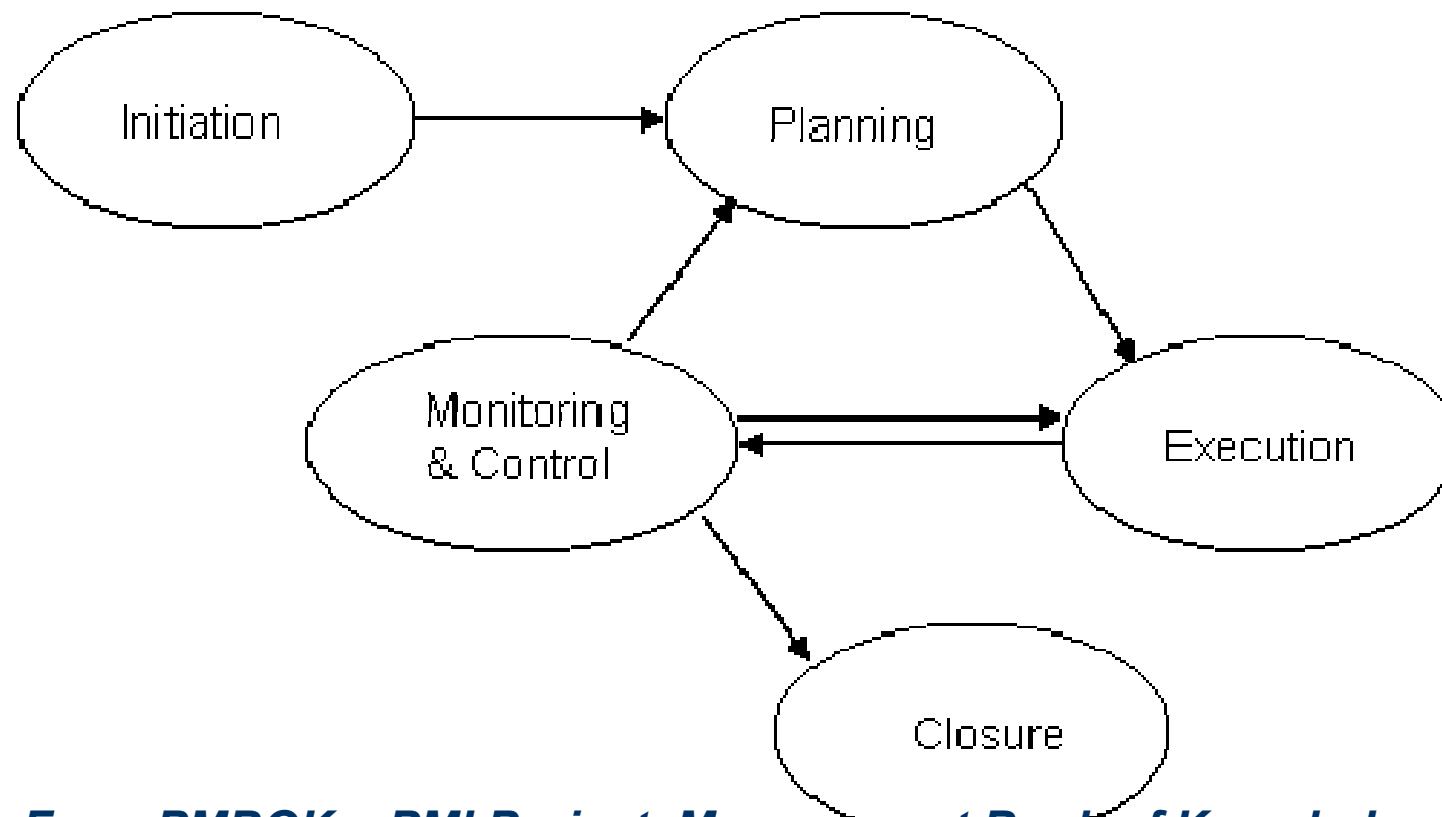
- Formalizing acceptance of the project or phase, closing out contracts, documenting lessons learned

One Way of Looking at The Process Groups...



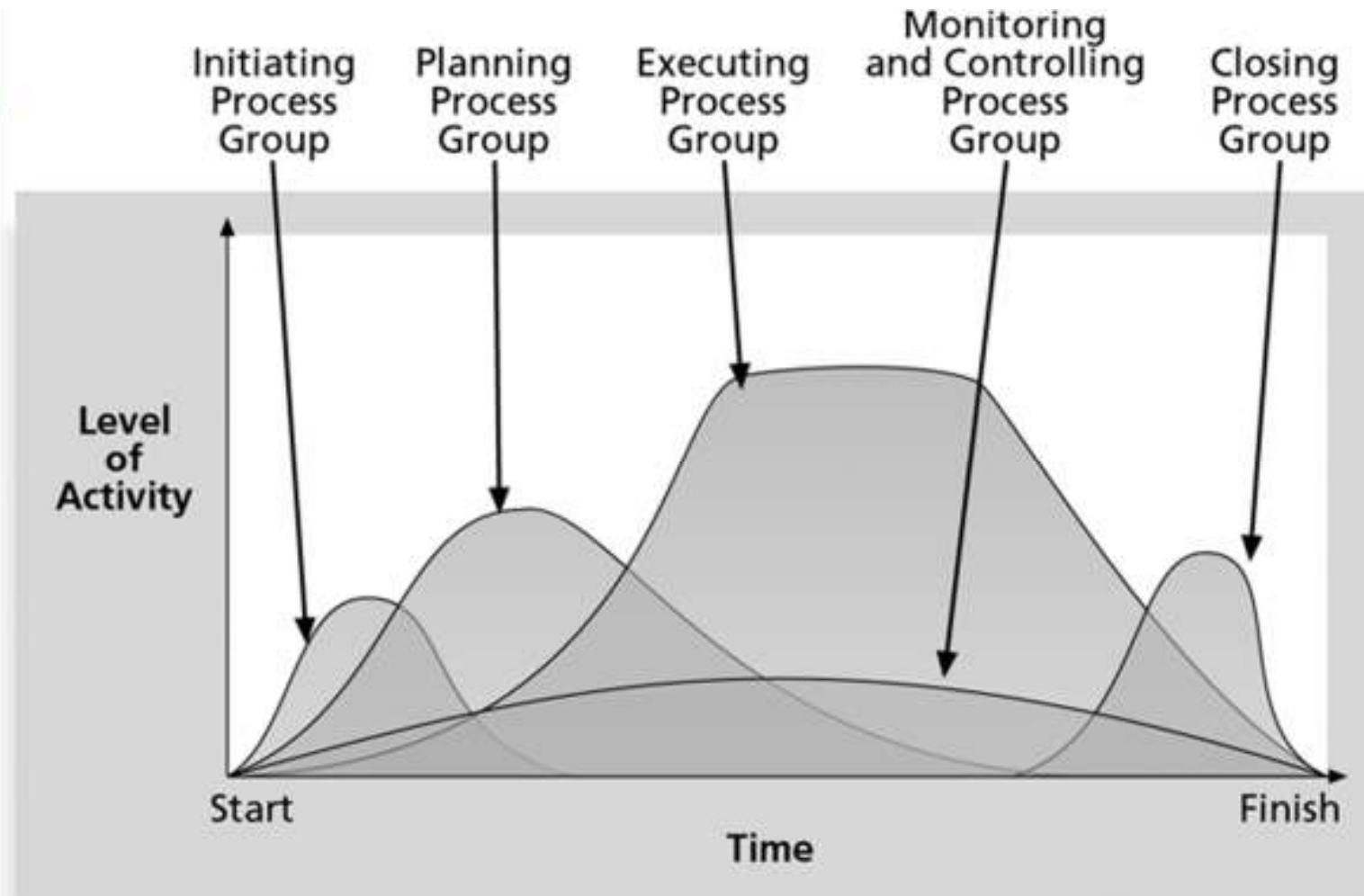
From PMBOK – PMI Project Management Book of Knowledge

Another Way of Looking at it...

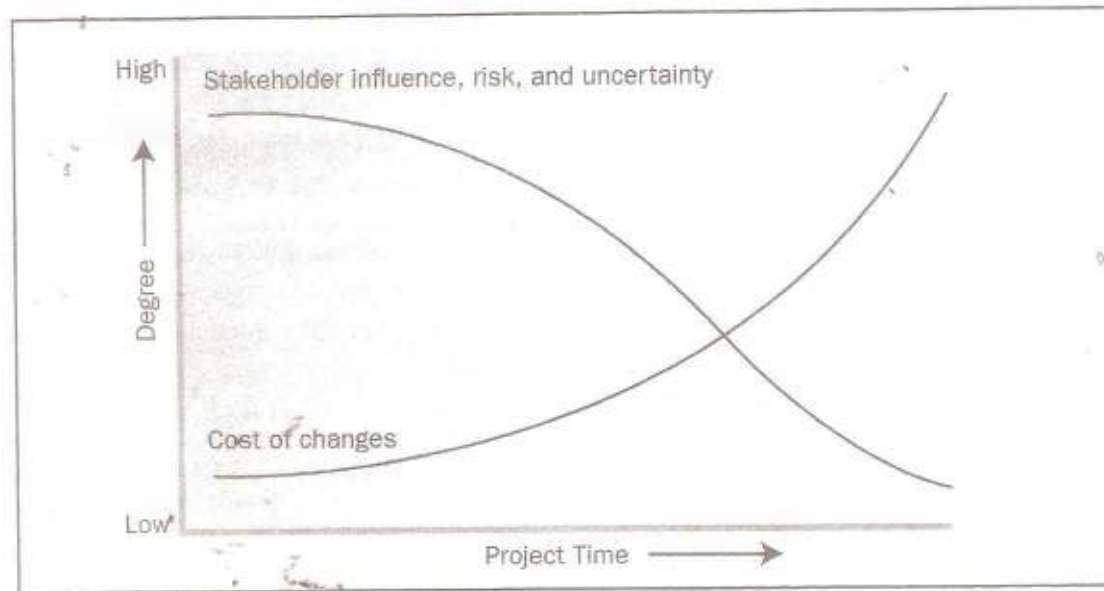


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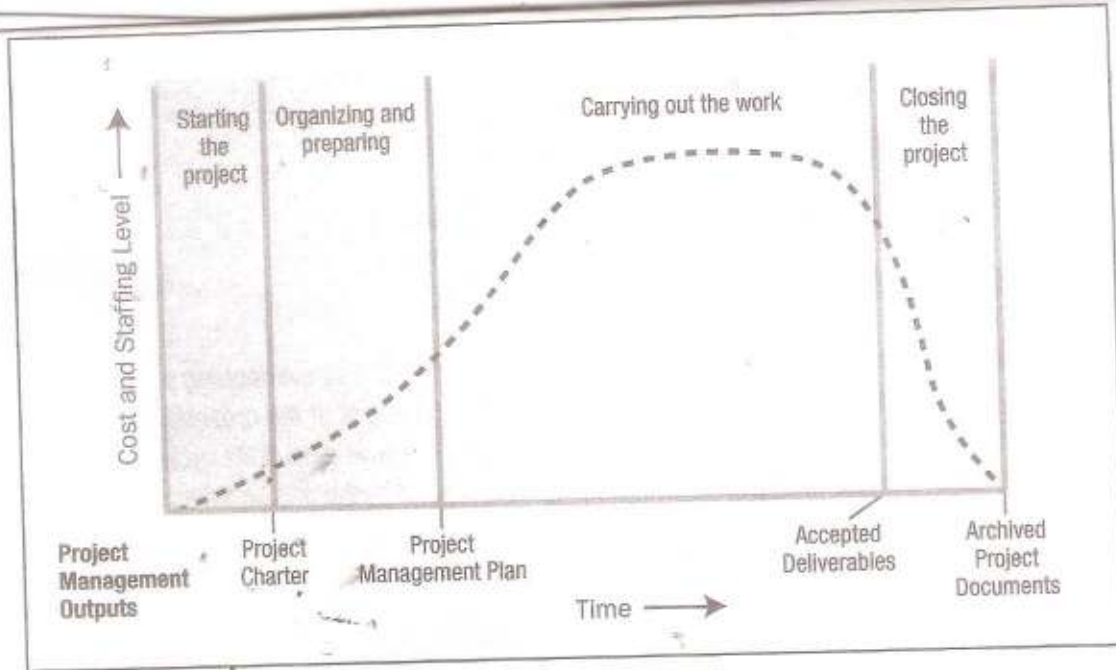
Level of Activity and Overlap of Process Groups Over Time



From PMBOK – PMI Project Management Book of Knowledge



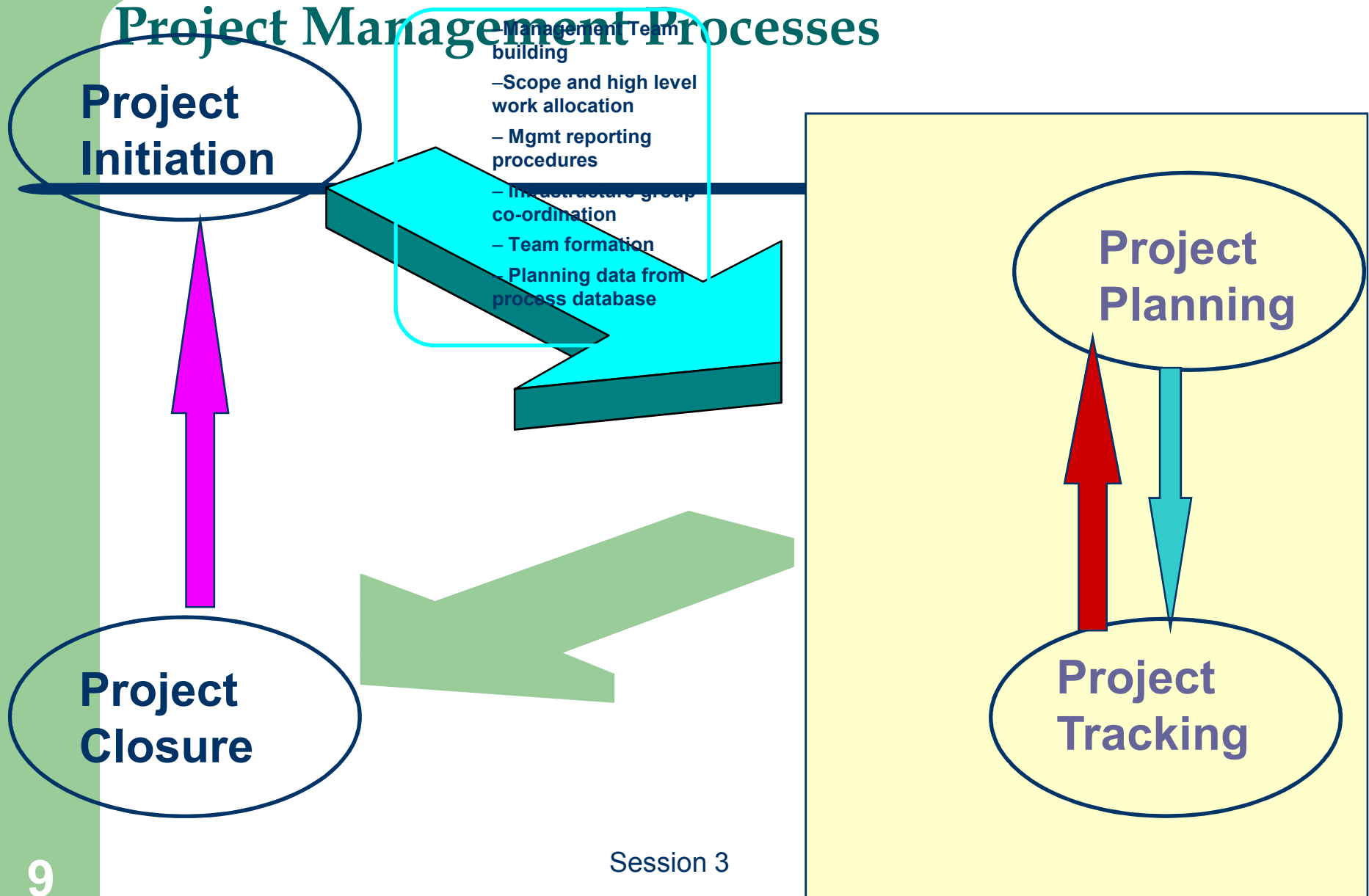
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PMI Knowledge Areas

- Integration Management
- Scope Management
- Time Management
- Cost Management
- Quality Management
- Human Resource Management
- Communications Management
- Risk Management
- Procurement Management

Project Management Processes



“Process Database” a.k.a Organizational Process Assets

- Processes and Procedures
 - Standards (e.g., evaluation criteria)
 - Policies (e.g., Policy for dealing with subcontractors)
 - Guidelines
 - “How To”s (Process Tailoring)
 - Templates and Forms (e.g., Project Plan template)
 - Financial Control procedures (e.g., Approval Authorities)
 - Change Control procedures
 - Risk Management procedures

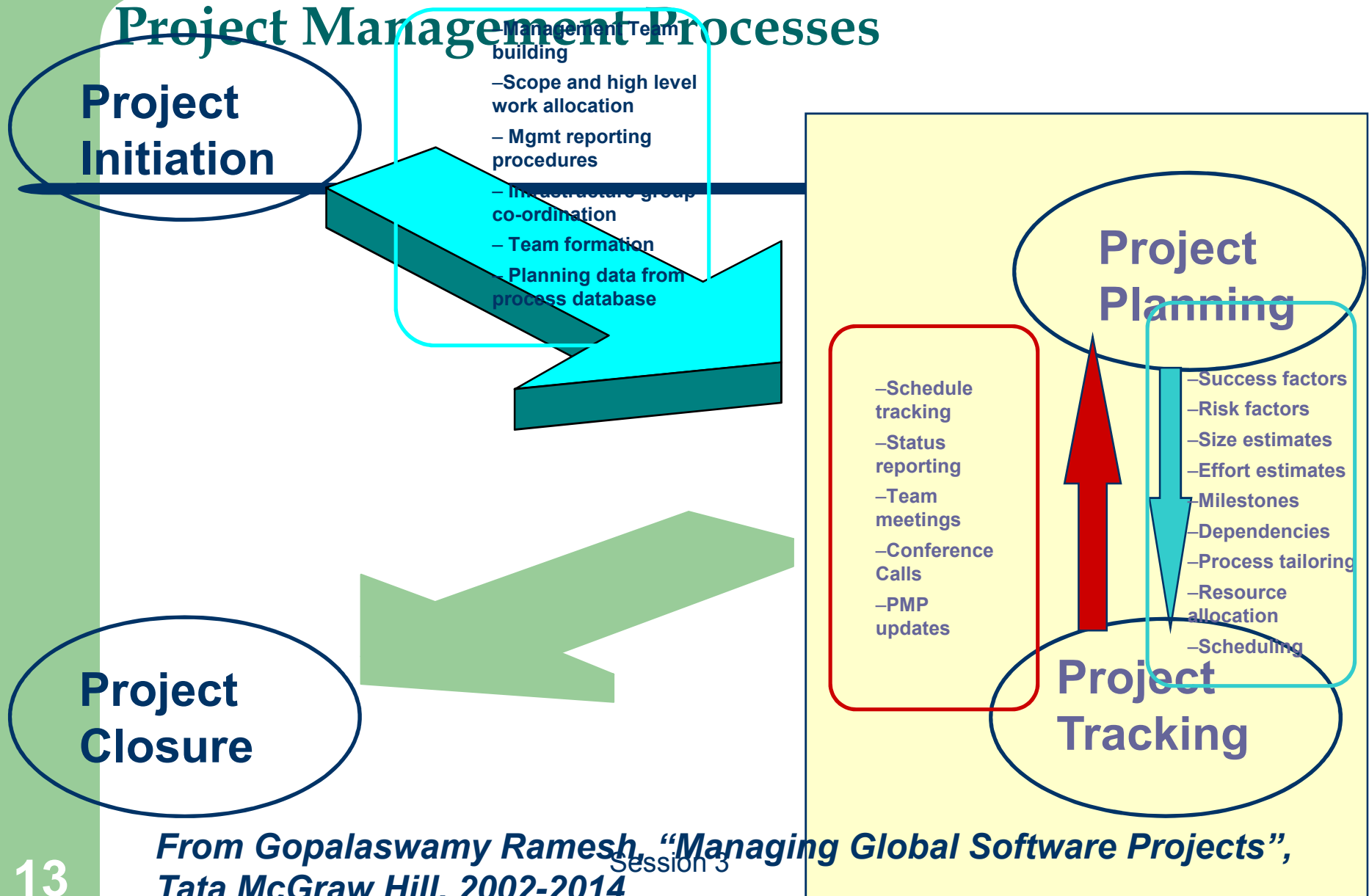
“Process Database” a.k.a Organizational Process Assets

- Knowledge Base
 - Tools Usage
 - Historical information (search-able by useful criteria)
 - Guidelines
 - Archived Plans, Reports, etc.
 - Record of issues by customer / product
 - Financial Control procedures (e.g., Approval Authorities)
 - Configuration information
 - Financial Status information

Customer Responsibilities During Requirements (especially for Outsourcing)

- Nominating and authorizing the point(s) of contact
- Producing the Statement of Work
- Discipline in Change
- Pitfalls to watch out for
 - “No time to read SRS”
 - “Why should I read SRS? We have discussed”
 - “SRS? It sounds too technical and intimidating!”
 - “All this is fine but I will change anyway when we start!”

Project Management Processes



From Gopalaswamy Ramesh, "Managing Global Software Projects",
Tata McGraw Hill, 2002-2014

Session 3

Project Management Processes

Project Initiation

- Management Team building
- Scope and high level work allocation
- Mgmt reporting procedures
- Infrastructure group co-ordination
- Team formation
- Planning data from process database

Project Closure

- Skill data updates
- Actual size/ effort/ schedule spent
- Actual project metrics
- Actual Risks encountered

Project Planning

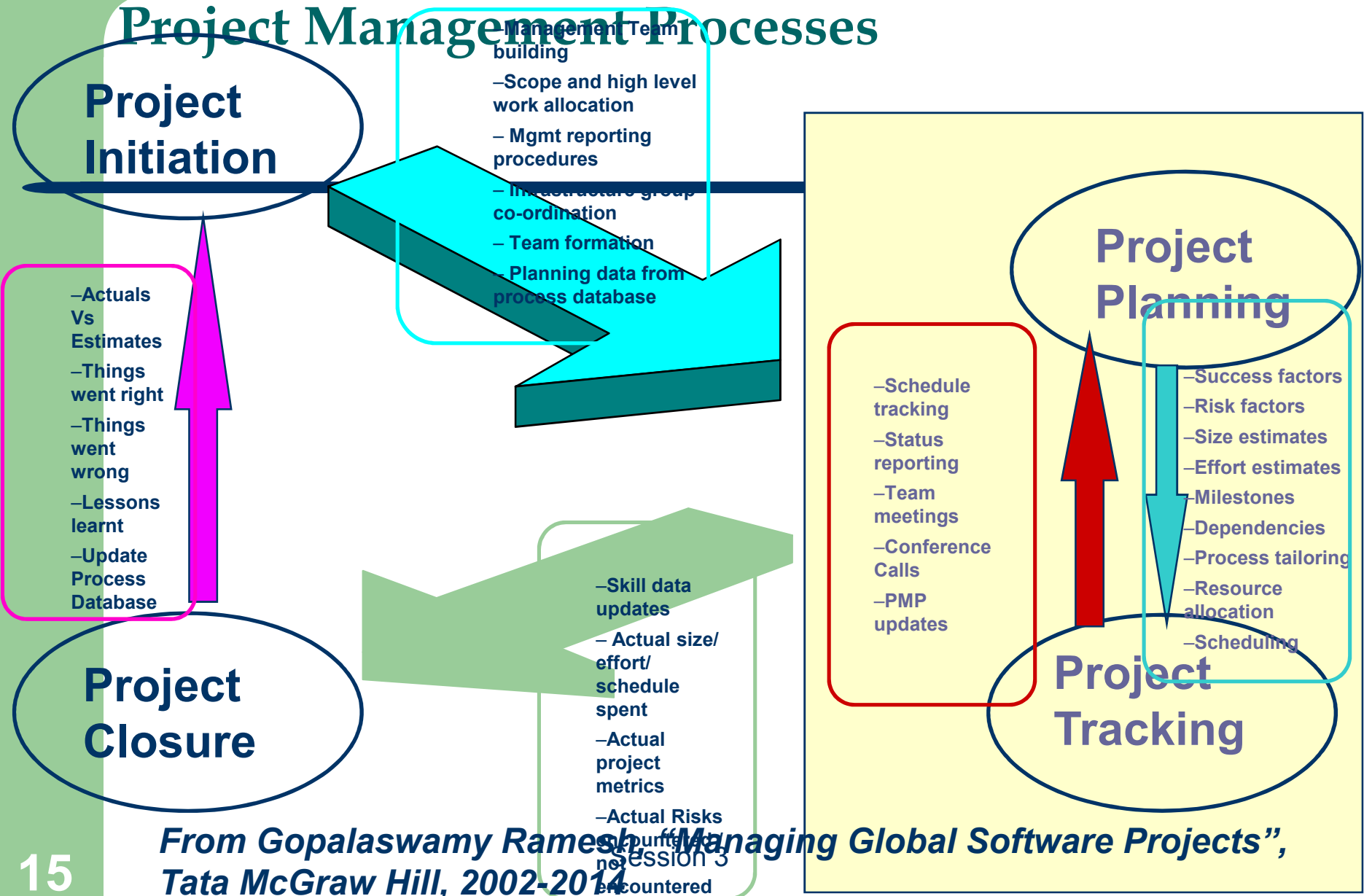
- Schedule tracking
- Status reporting
- Team meetings
- Conference Calls
- PMP updates

- Success factors
- Risk factors
- Size estimates
- Effort estimates
- Milestones
- Dependencies
- Process tailoring
- Resource allocation
- Scheduling

Project Tracking

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Project Management Processes



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Project Management Processes

Project Initiation

- Management Team building
- Scope and high level work allocation
- Mgmt reporting procedures
- Infrastructure group co-ordination
- Team formation
- Planning data from process database

- Actuals Vs Estimates
- Things went right
- Things went wrong
- Lessons learnt
- Update Process Database

Project Closure

- Skill data updates
- Actual size/ effort/ schedule spent
- Actual project metrics
- Actual Risks encountered

Project Planning

- Success factors
- Risk factors
- Size estimates
- Effort estimates
- Milestones
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Project Tracking

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