



Project Management Supplemental Deck #8

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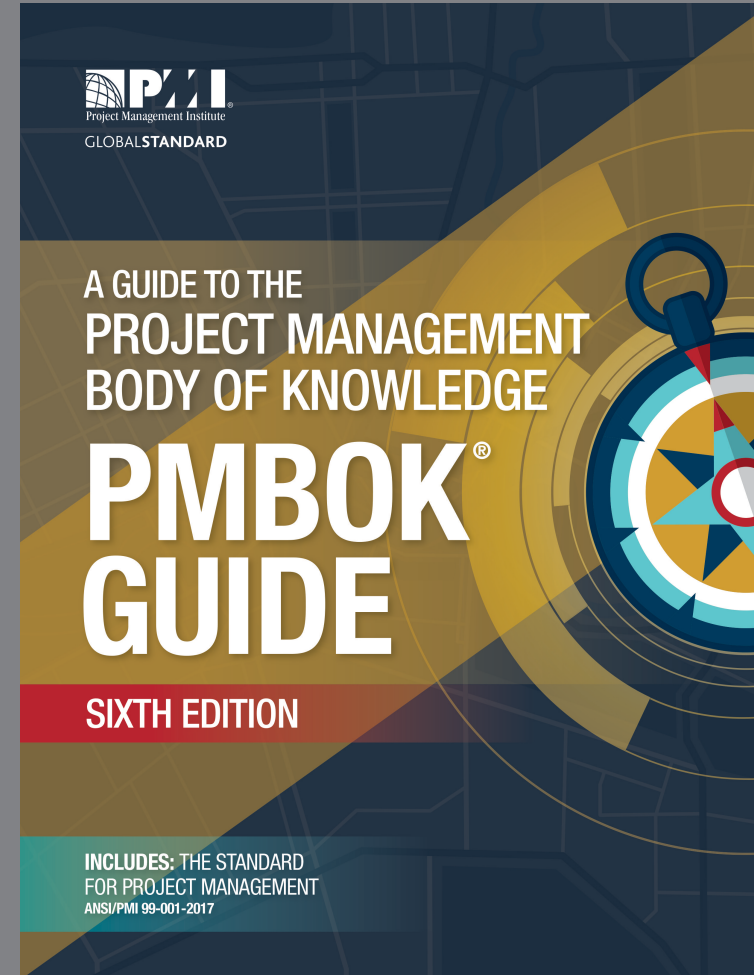


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Project Management

This is accepted in the Project Management Field as the main guide which is used to training and certify Project management Professionals

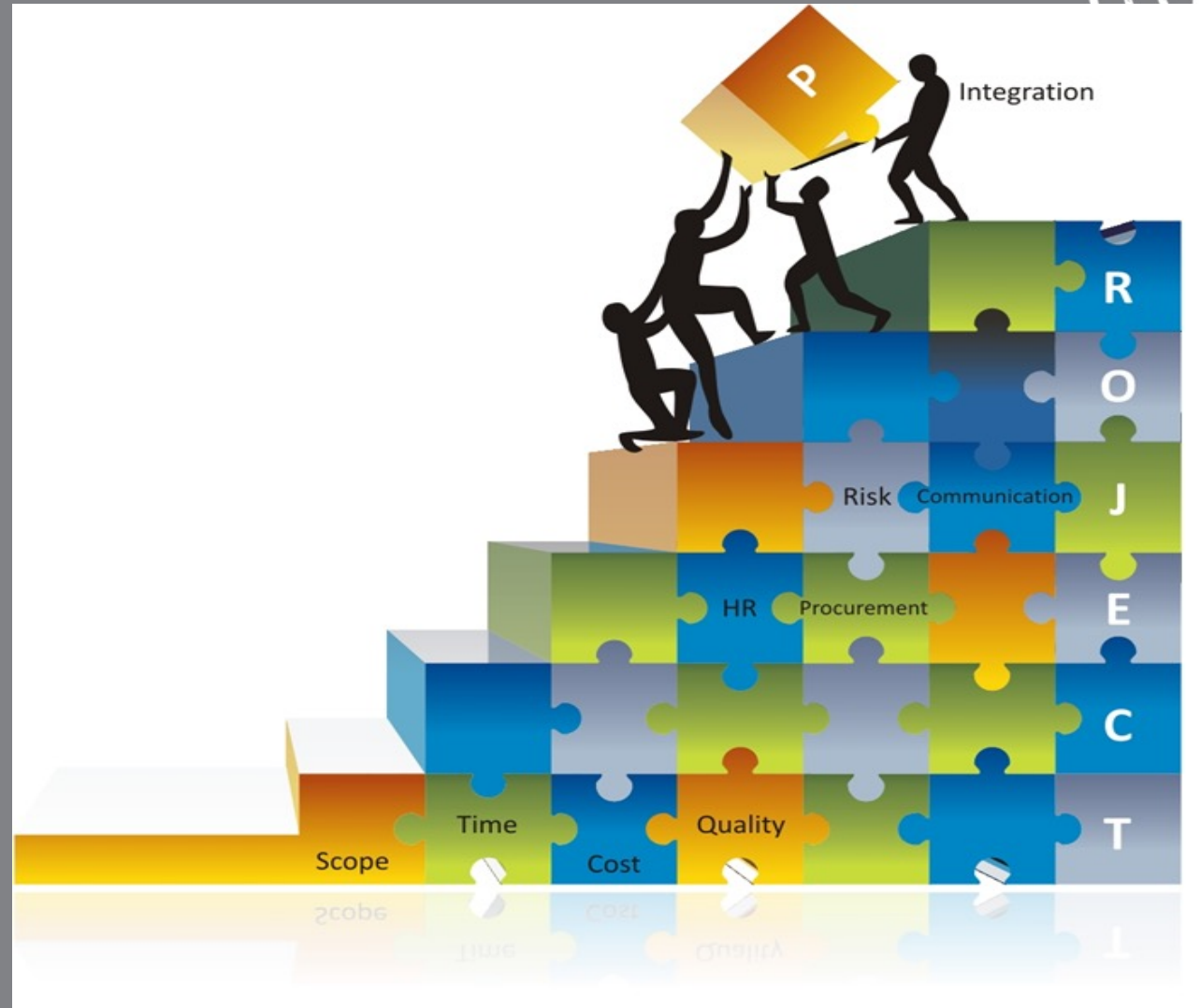
All Supplemental Slide decks will be relating to this and the information from them will be included on any possible tests/assignments etc...



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Chapter 9

Project Resource Management



Plan Resource Management



- Is the process of identifying and documenting project roles, responsibilities, required skills, reporting relationships, and creating a staffing management plan
- Managing the project resources is how the project manager spends most of their time. From ordering supplies, to training team members, to paying bills, the project resources are a seemingly bottomless pit of active management. Meanwhile, the project team is one of the most important components of project success – Having confidence that your team is going to get the job done right, on time, and under budget, is virtually priceless.



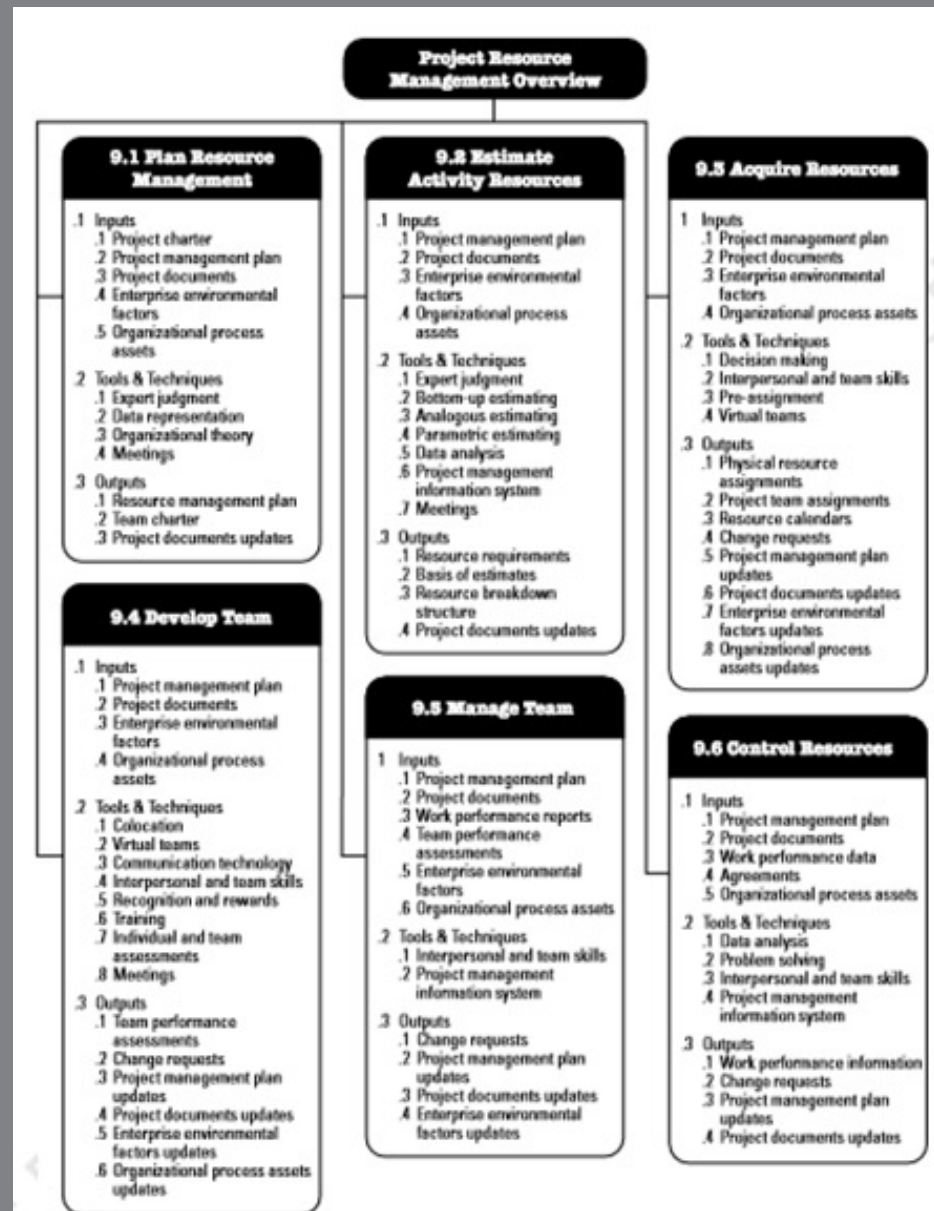
Plan Resource Management



- The 6 processes in this knowledge area are:
 1. Plan Resource Management
 2. Estimate Activity Resources
 3. Acquire Resources
 4. Develop Team
 5. Manage Team
 6. Control Resources



Project Resource Management Overview

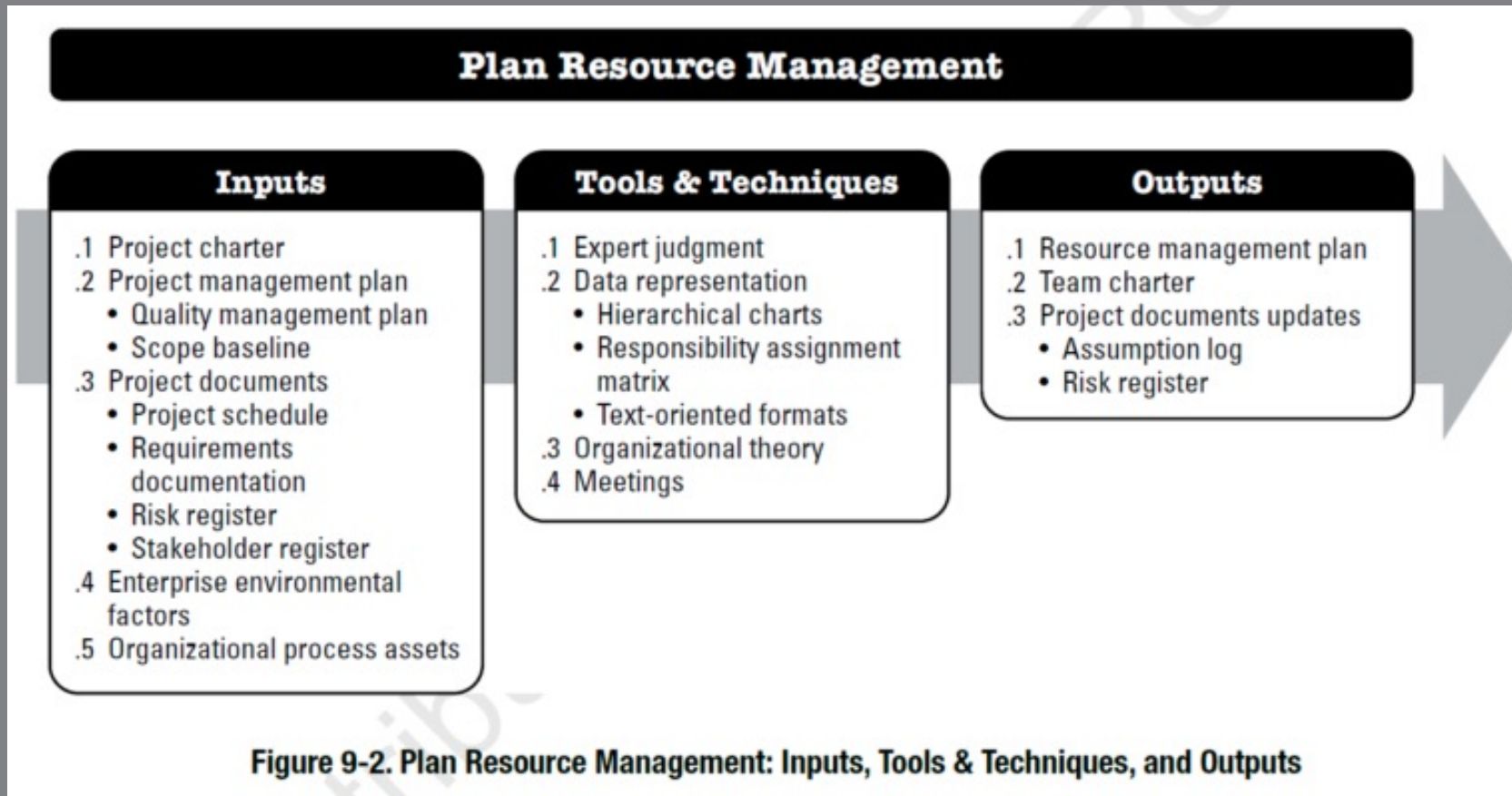


Plan Resource Management



- Before any project can proceed, the project resource requirements need to be defined. The main part of this initial planning step involves identifying the type and quantity of resources that are required, including people. Some resources have a grade or skill level associated with them, such as experience level of people, or size of crane. Job descriptions are created for the project team members. The Project Resource Management Plan, a component of the overall Project Management Plan, summarizes this resource planning step.

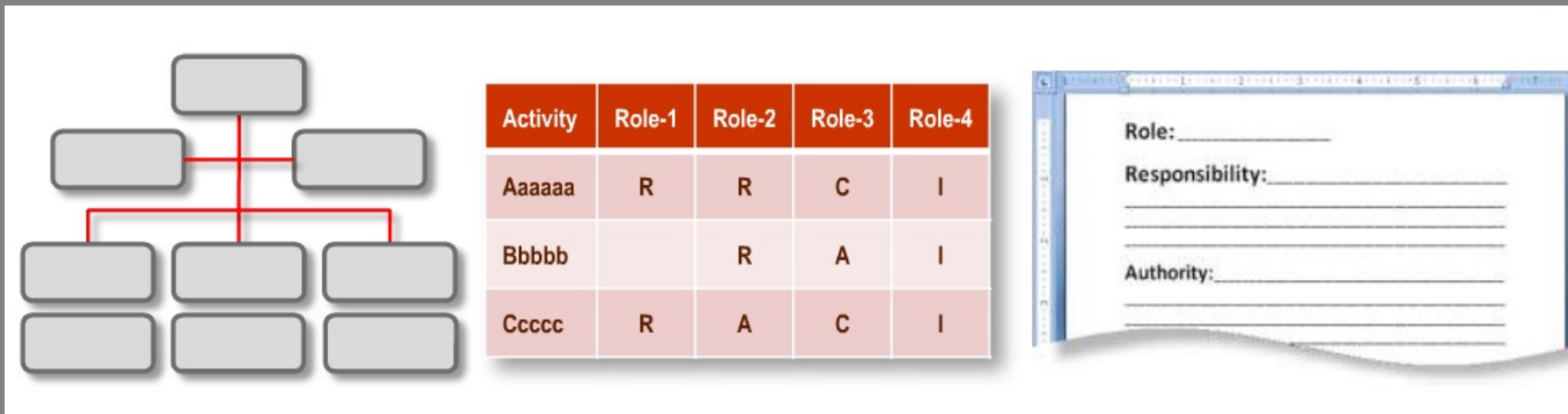




Plan Resource Management



Plan Resource Management is the process of defining how to estimate, acquire, manage, and use team and physical resources.



Plan Resource Management: Tools and Techniques



- Data Representation
 - hierarchical charts
 - I. Work breakdown structures (WBS).
 - II. Organizational breakdown structure (OBS).
 - III. Human Resource breakdown structure
- Assignment Matrix
- Text-oriented formats



Plan Resource Management: Tools and Techniques



- Organizational Theory

Organizational theory provides information regarding the way in which people, teams, and organizational units behave. Effective use of common techniques identified in organizational theory can shorten the amount of time, cost, and effort needed to create the Plan Resource Management process outputs and improve planning efficiency.



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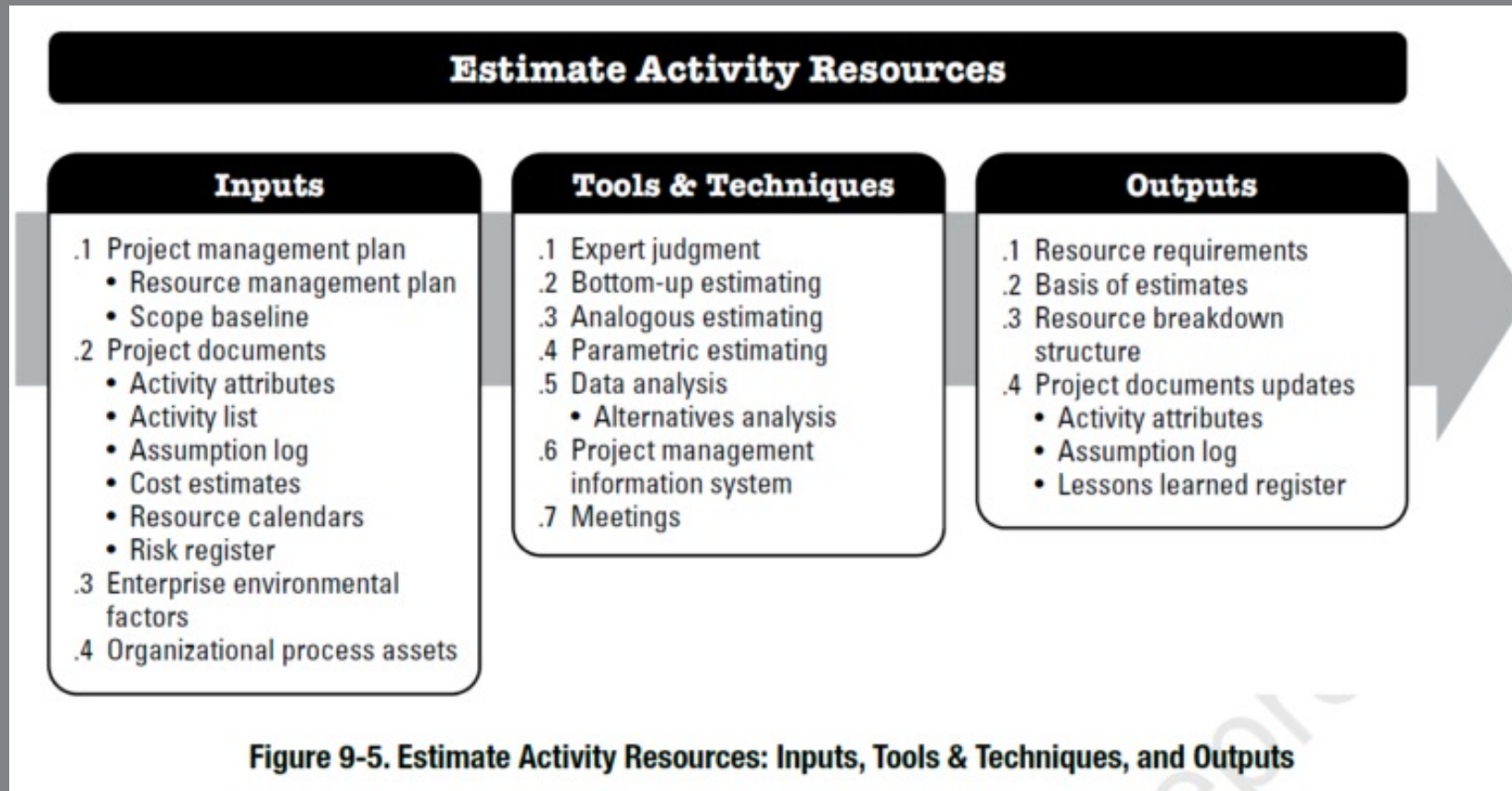
Estimate Activity Resources



- The resources required to carry out the project must almost always be estimated during the planning stage. Resources are classified into type and quantity, as well as other factors that might affect the cost or schedule, such as grade, quality, availability, and so on. The three primary methods of estimating, Analogous, Parametric, and Three point, are used in conjunction with bottom up or top down estimating to determine the resource requirements.



Estimate Activity Resources



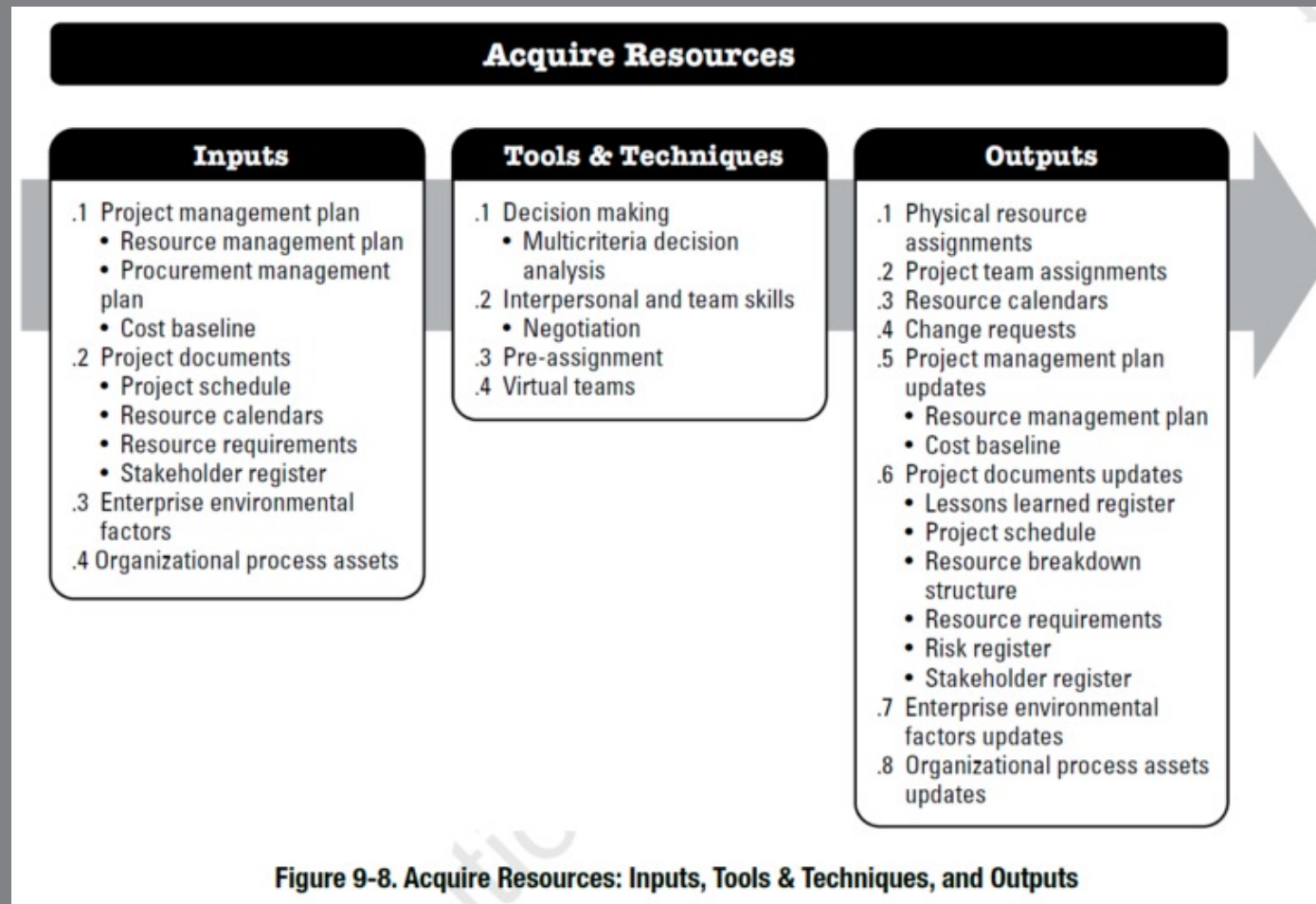
Acquire Resources



- Once the project execution phase is underway, the resources identified in the Resource Management Plan must be acquired. The project schedule is consulted to determine when the resources are needed. The Procurement Management Plan, a separate component of the Project Management Plan, guides the purchasing process for tools and equipment that must be purchased. Project team positions are advertised and the workers are hired.



Acquire Resources



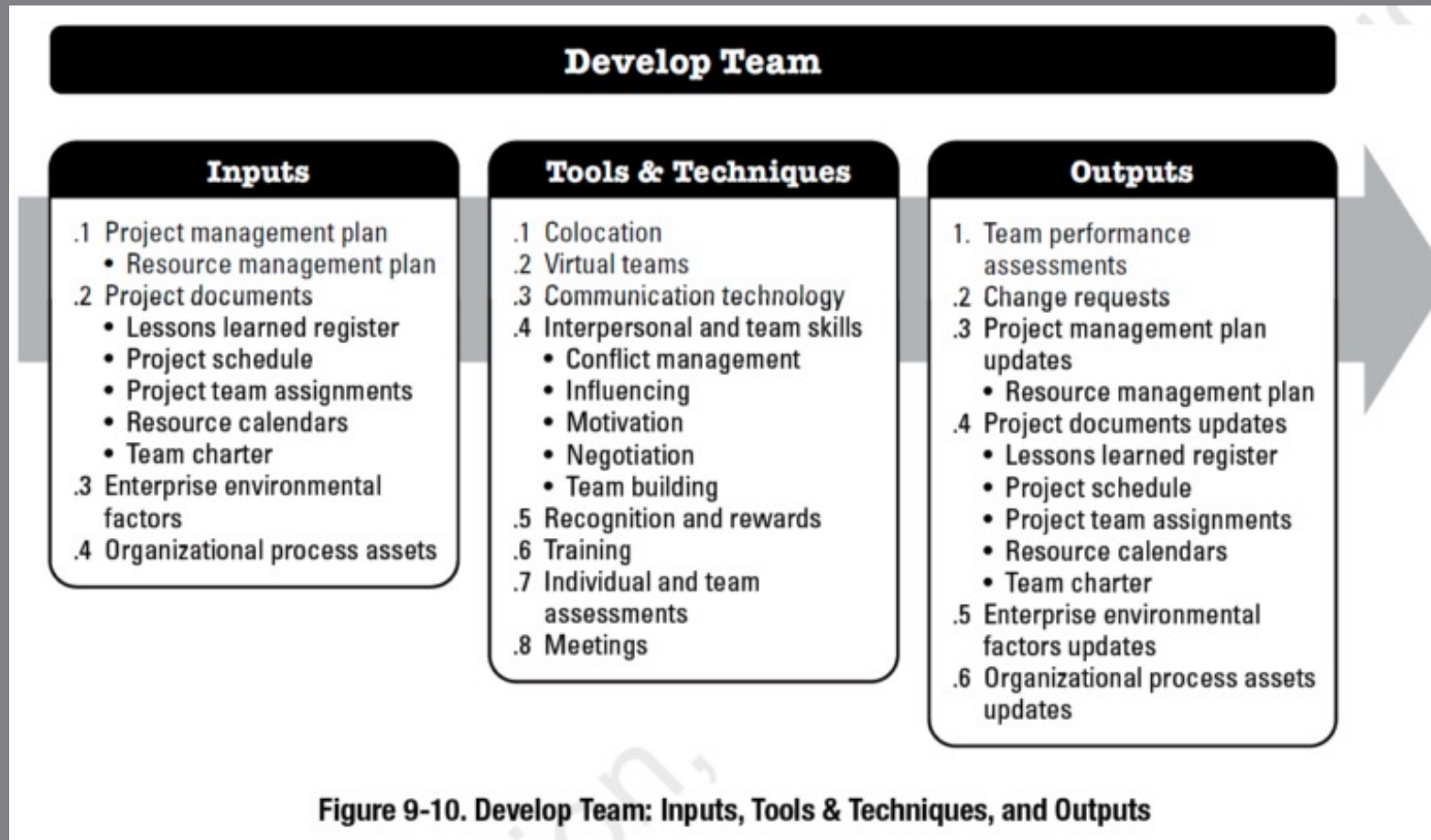
Develop Team



- Most projects require additional knowledge to complete their deliverables. The project team must obtain this knowledge at the appropriate point in the project timeline. Unlike tools and equipment, project team members require rewarding work, future opportunities, and career development, or they will leave.



Develop Team



Manage Team



- The project team is one of the most important components of project success (actually, *any* organization's success). Project team assignments tend to change as team members learn different project tasks and project managers assess their strengths and weaknesses. Project issues need to be dealt with by the appropriate project team members, and project work needs to be actively managed.



Manage Team

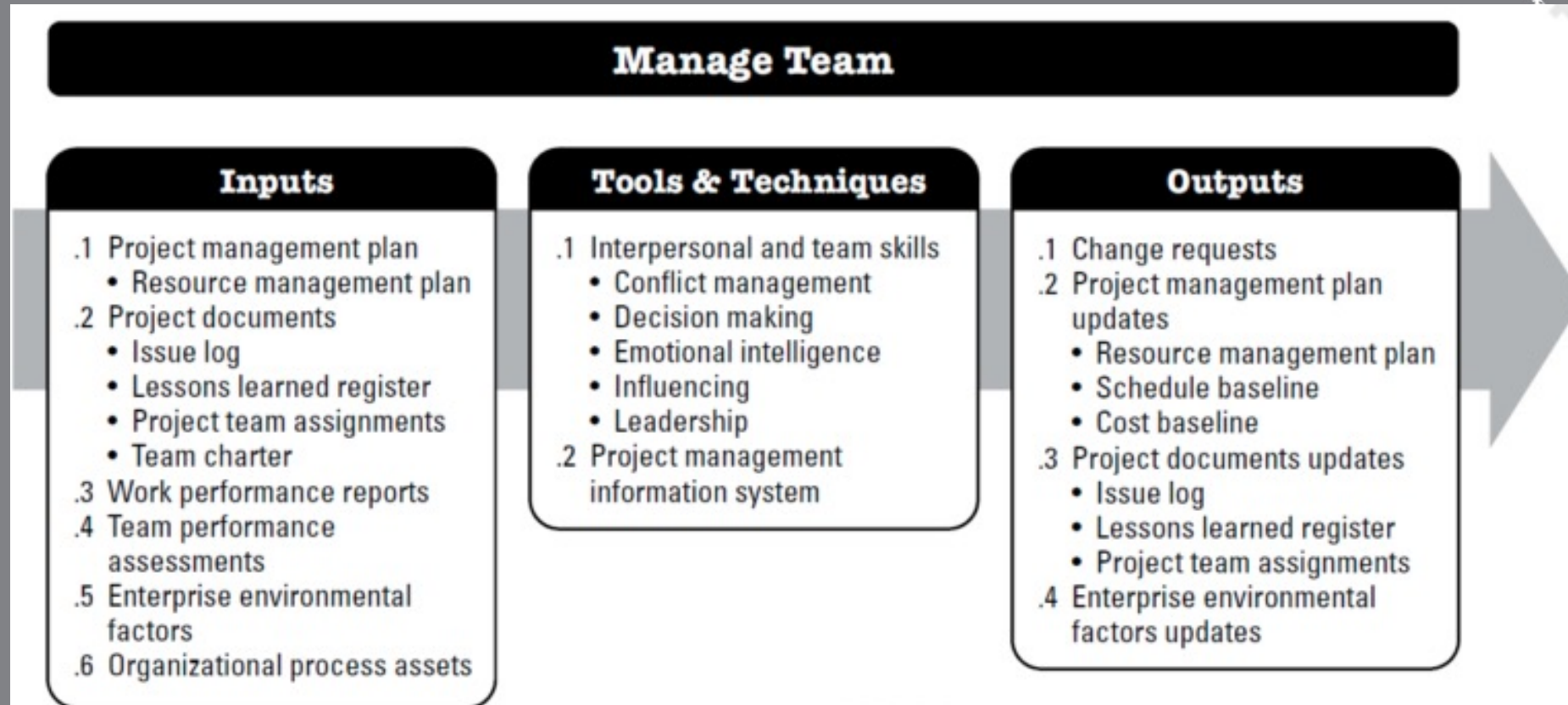


Figure 9-12. Manage Team: Inputs, Tools & Techniques, and Outputs



Control Resources



- The project resources require regular, ongoing control procedures to ensure they are being used most efficiently, that they are performing the required tasks, and so on. The Resource Management Plan must be consulted regularly to ensure that project resource usage is according to plan. Cost-benefit analysis and alternatives analysis are utilized to optimize the use of resources.



Control Resources

