

دانشگاه آزاد اسلامی واحد تبریز

نام درس: مدیریت پروژه های فناوری اطلاعات

بخش: مدیریت هزینه

نام استاد: دکتر مسعود کارگر





Project Cost Management

Project Cost Management

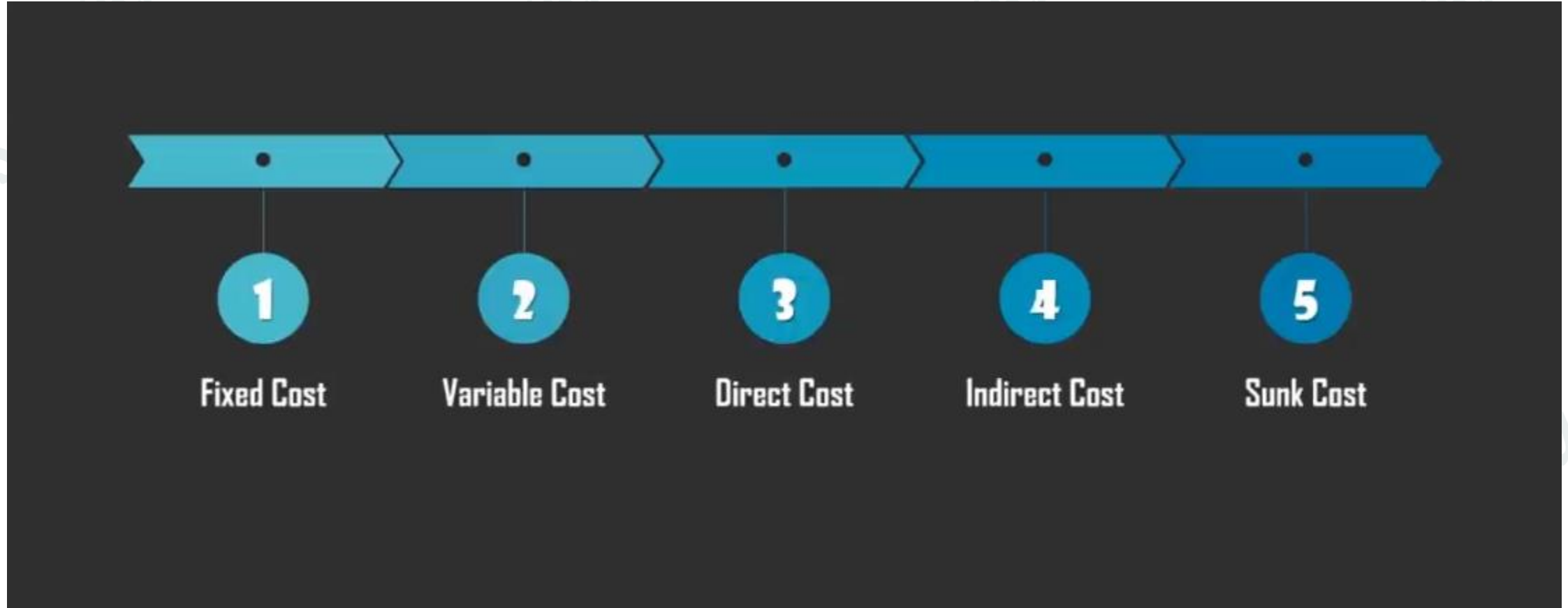
Project Cost Management includes the processes involved in planning, estimating, budgeting, financing, funding, managing, and controlling costs so the project can be completed within the approved budget.



Tailoring Considerations



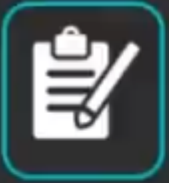
Types of Costs



Cost Managements Processes



Plan Cost Management



Description

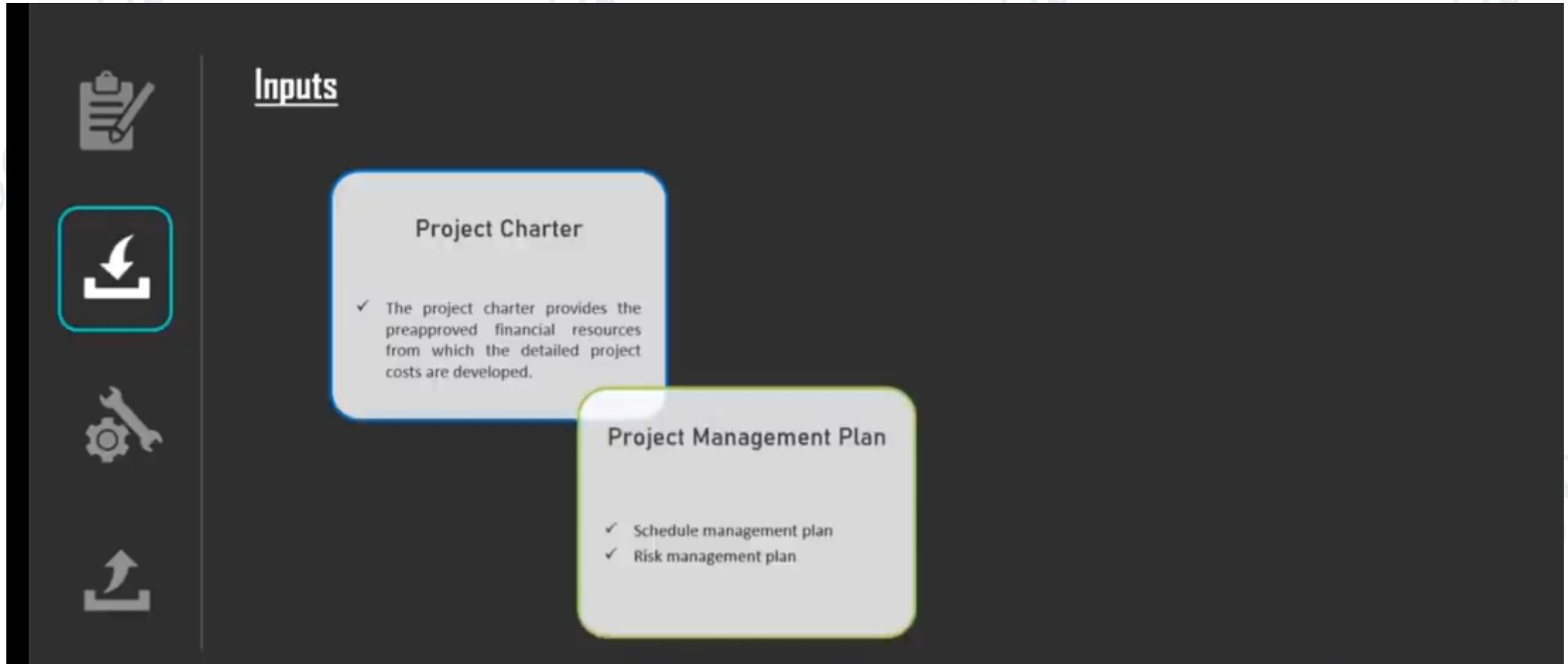
Plan cost management is the initial process of project cost management where you will be defining how the costs of the project will be estimated, budgeted, managed, monitored and controlled.

Generally, techniques like WBS(Work Breakdown Structures) or historical data of similar kind of projects are used for defining the cost resource requirements which include time, material, labor, equipment etc.

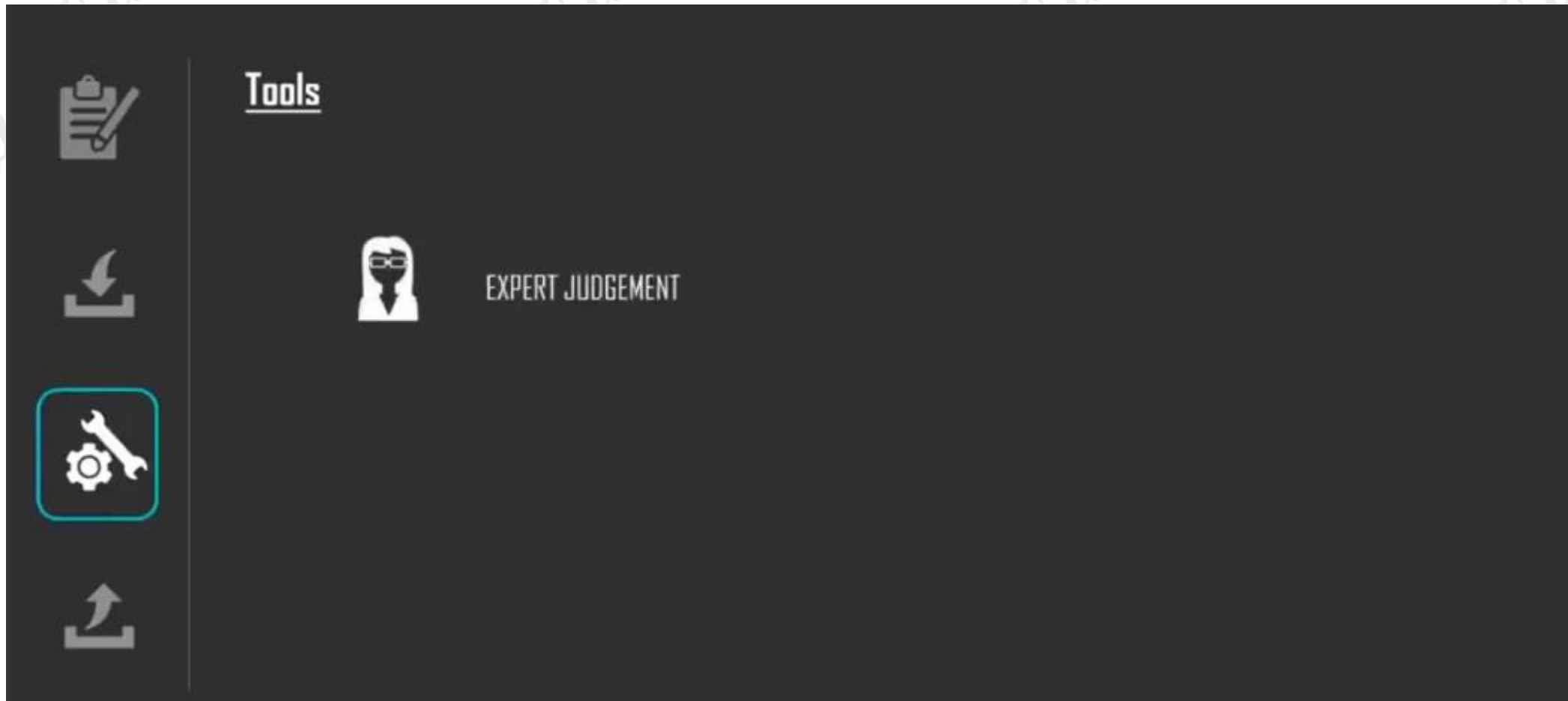
This process gives a rough outline of the number of resources involved and shows the optimum path to manage the project costs throughout the project lifecycle.



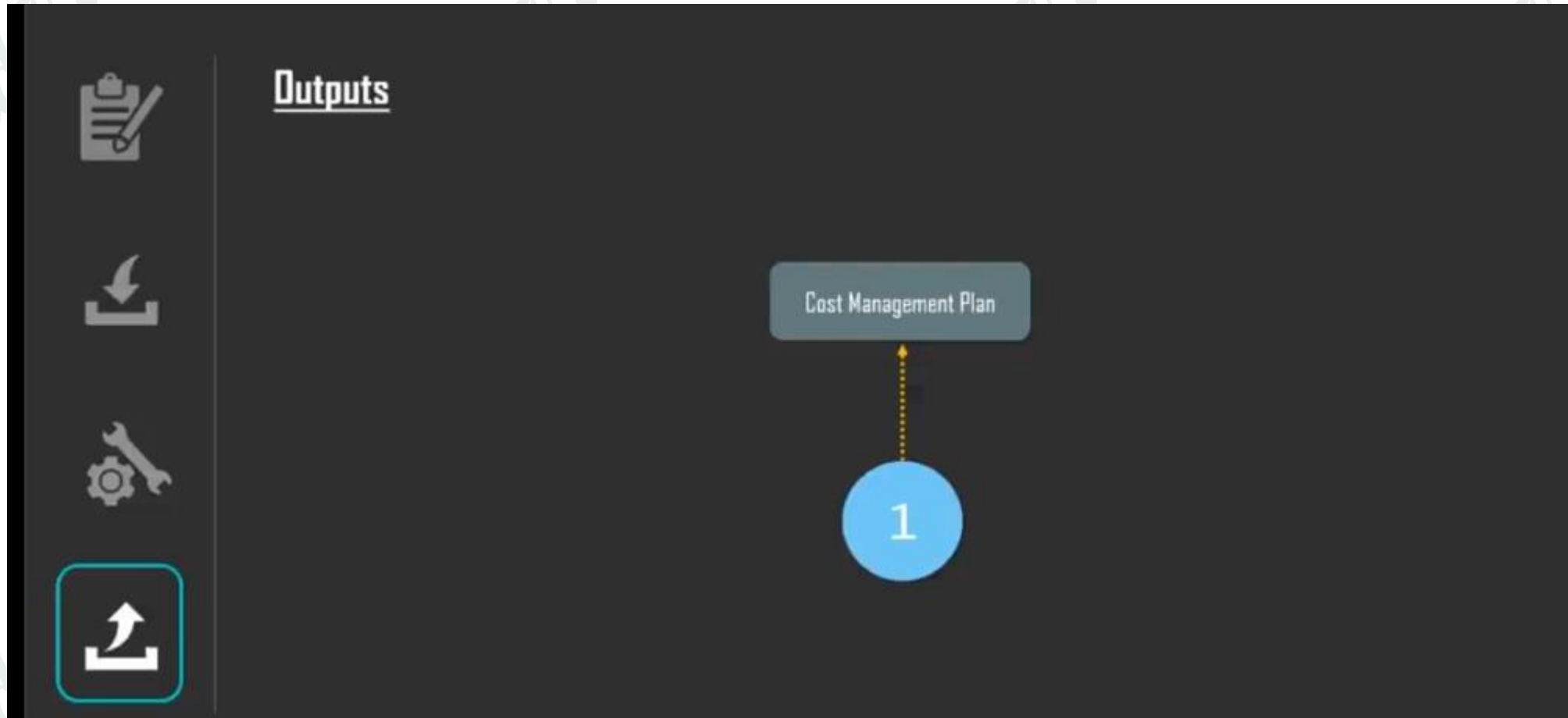
Plan Cost Management



Plan Cost Management



Plan Cost Management



Estimate Costs



Estimate Costs

Estimate Costs



Description

This is the second process of the project cost management plan that helps in estimating the cost of the resources required for project completion.

Since cost is an important variable that ensures project success, you have to be very careful while producing the estimated amount of the total project cost.

Throughout the project lifecycle, this process is performed at periodical intervals.

A project manager uses various methods to estimate costs depending on the amount of information available.

Estimate Costs

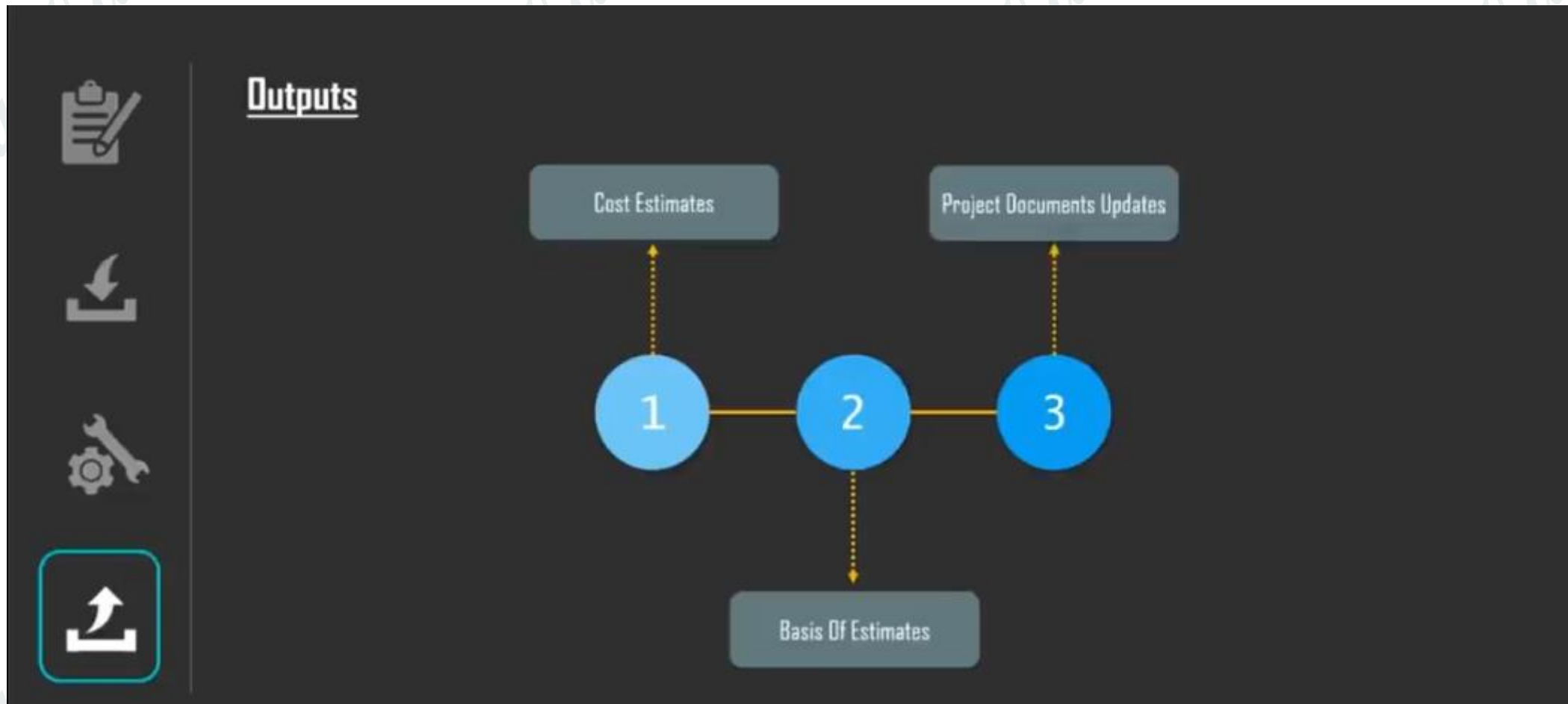


Estimate Costs

Tools

	EXPERT JUDGEMENT		THREE-POINT ESTIMATING
	ANALOGOUS ESTIMATING		DATA ANALYSIS
	PARAMETRIC ESTIMATING		PROJECT MANAGEMENT INFORMATION SYSTEM (PMIS)
	BOTTOM-UP ESTIMATING		DECISION MAKING

Estimate Costs



Determine Budget



Description

Determine Budget is the third process of this Knowledge Area where the estimated cost of individual activities or tasks is summed up to draw the cost baseline

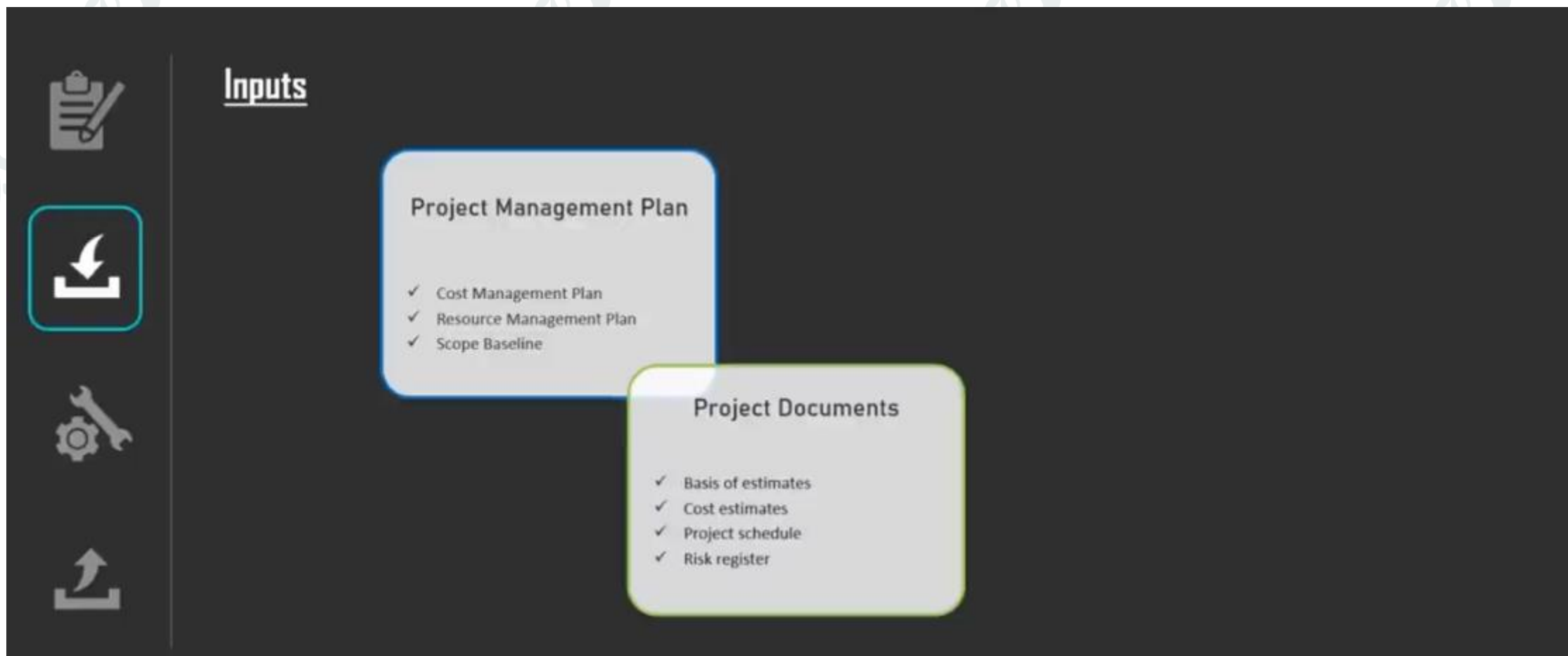
The cost baseline of the budget includes all the authorized funds that are essential for project execution.

This budget basically includes various reserves of contingency while keeping the management reserves far at the bay.

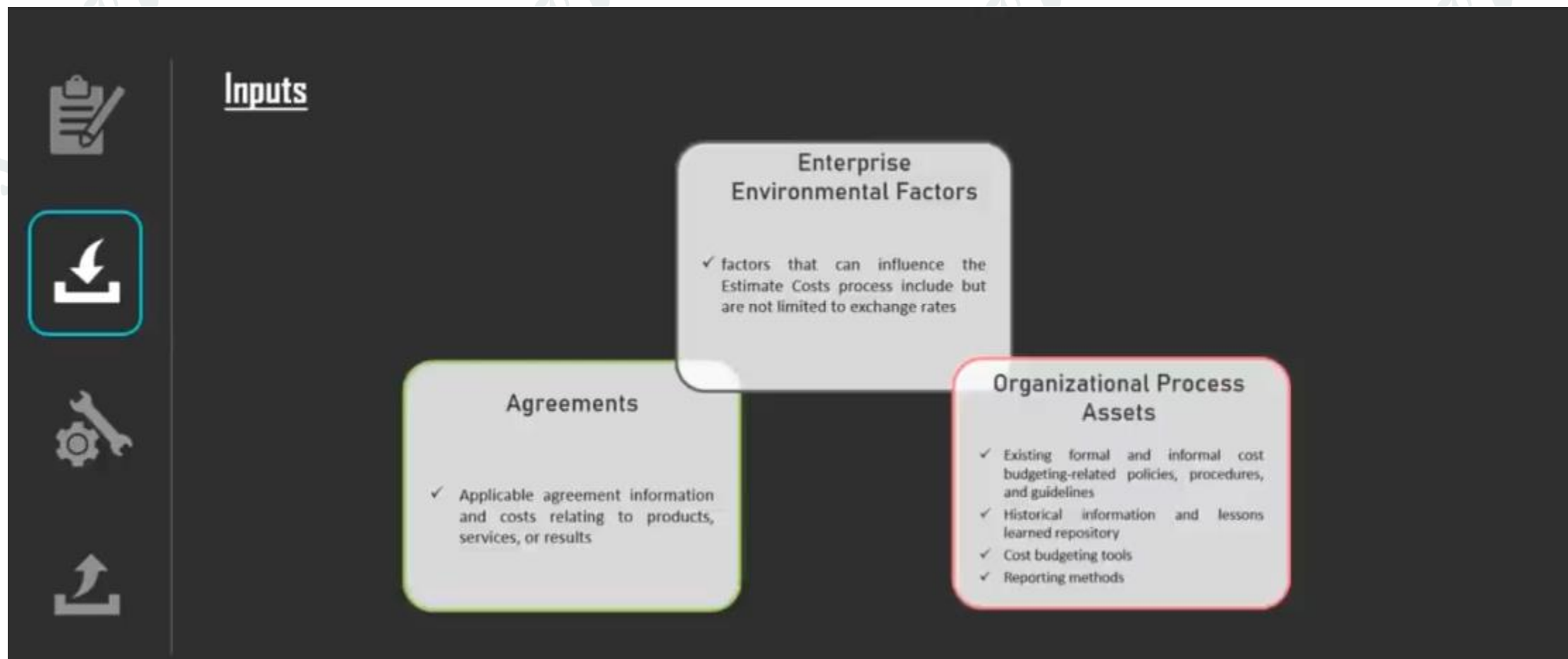
Cost baseline is an authorized time-phased budget that is used as the initial point for monitoring and calculating the project performance and progress.

This process is executed at specific points in a project which are generally predefined.

Determine Budget



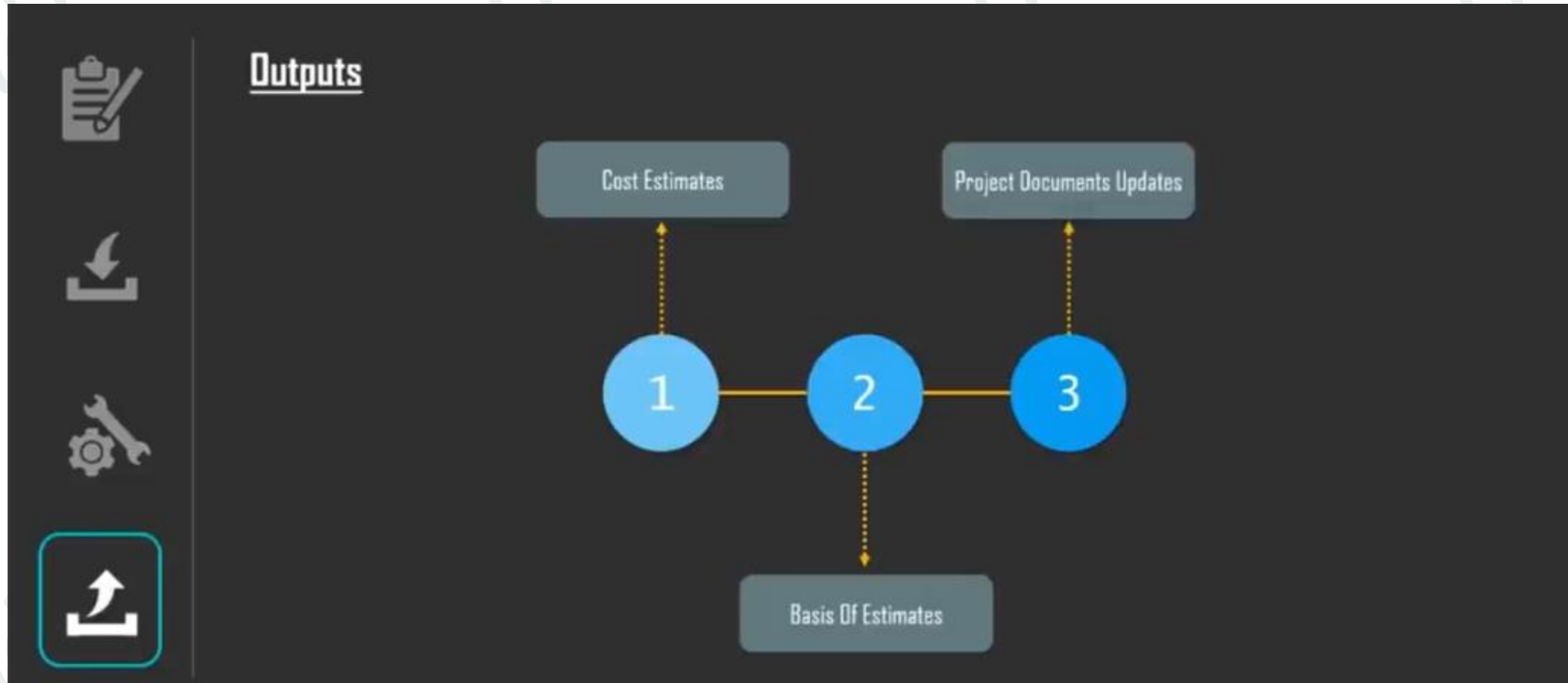
Determine Budget



Estimate Costs



Estimate Costs



Determine Budget

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Determine Budget

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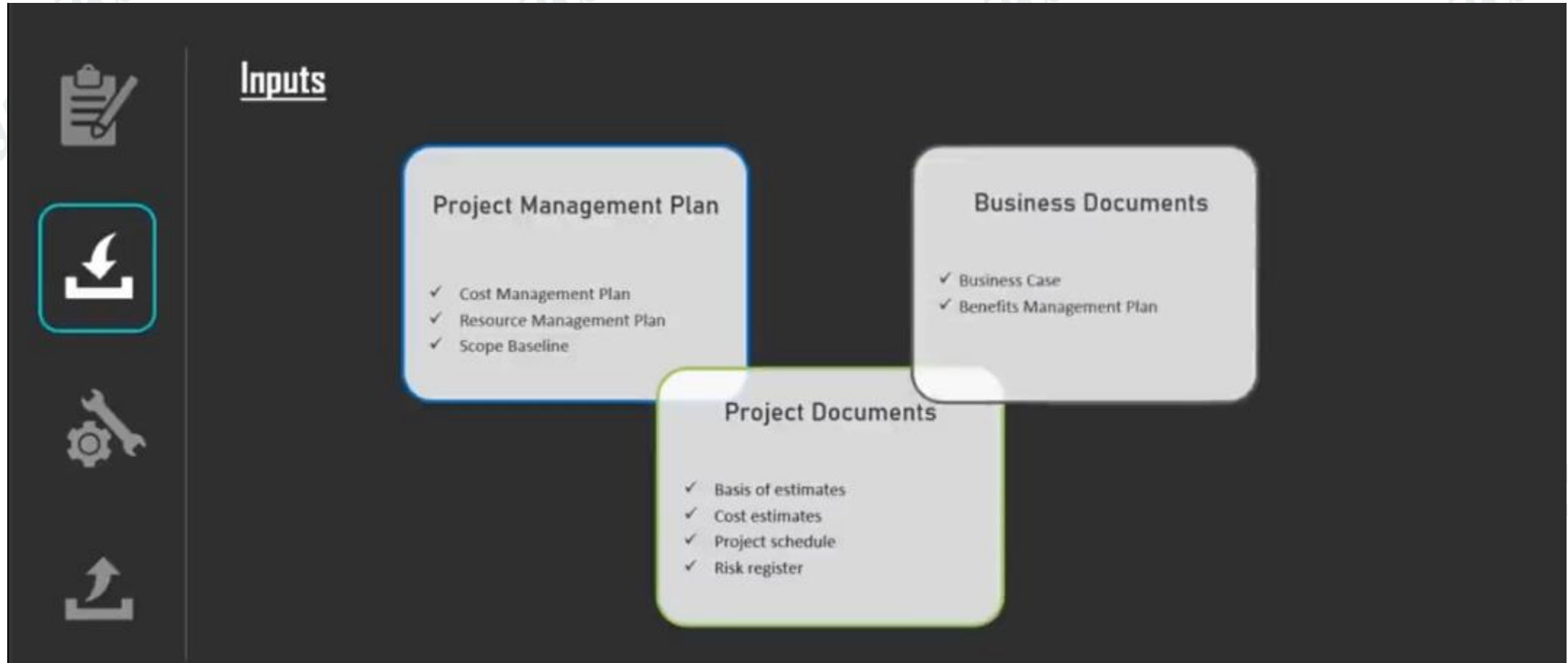
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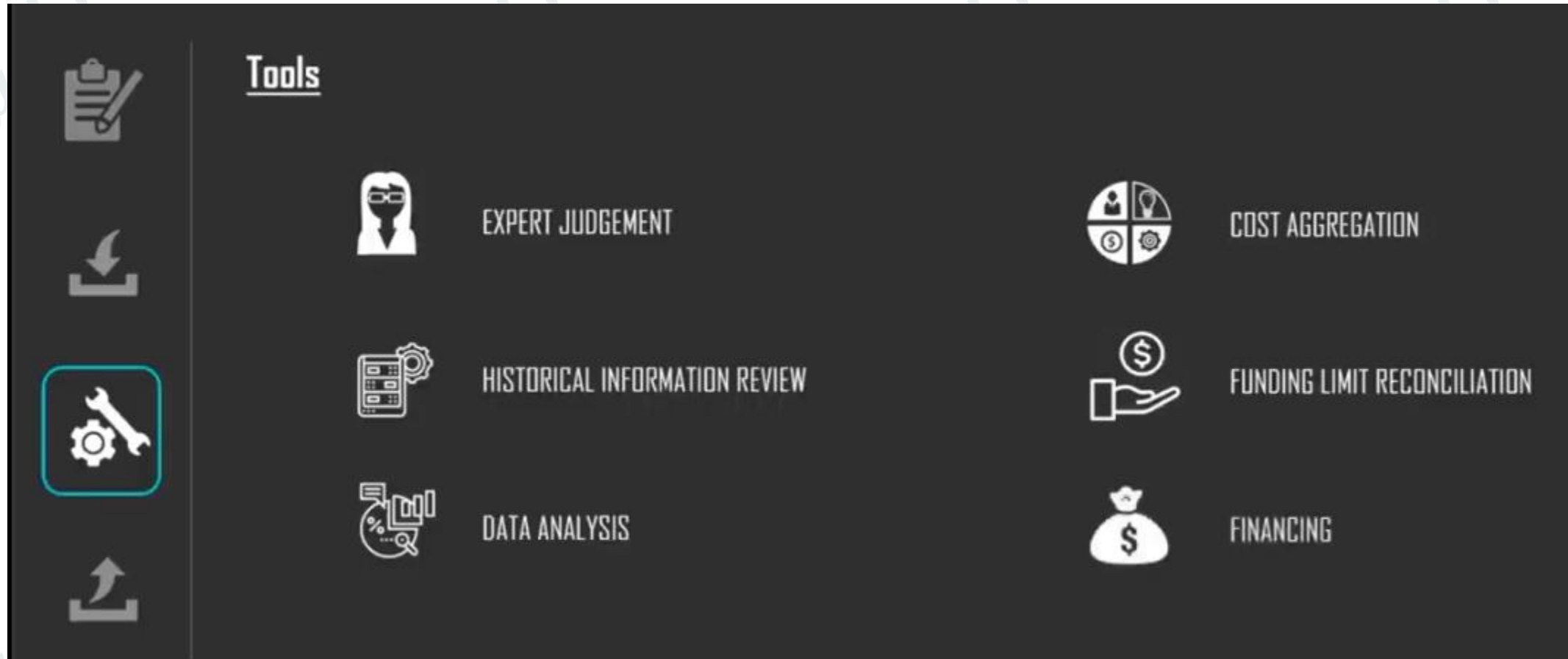
Determine Budget



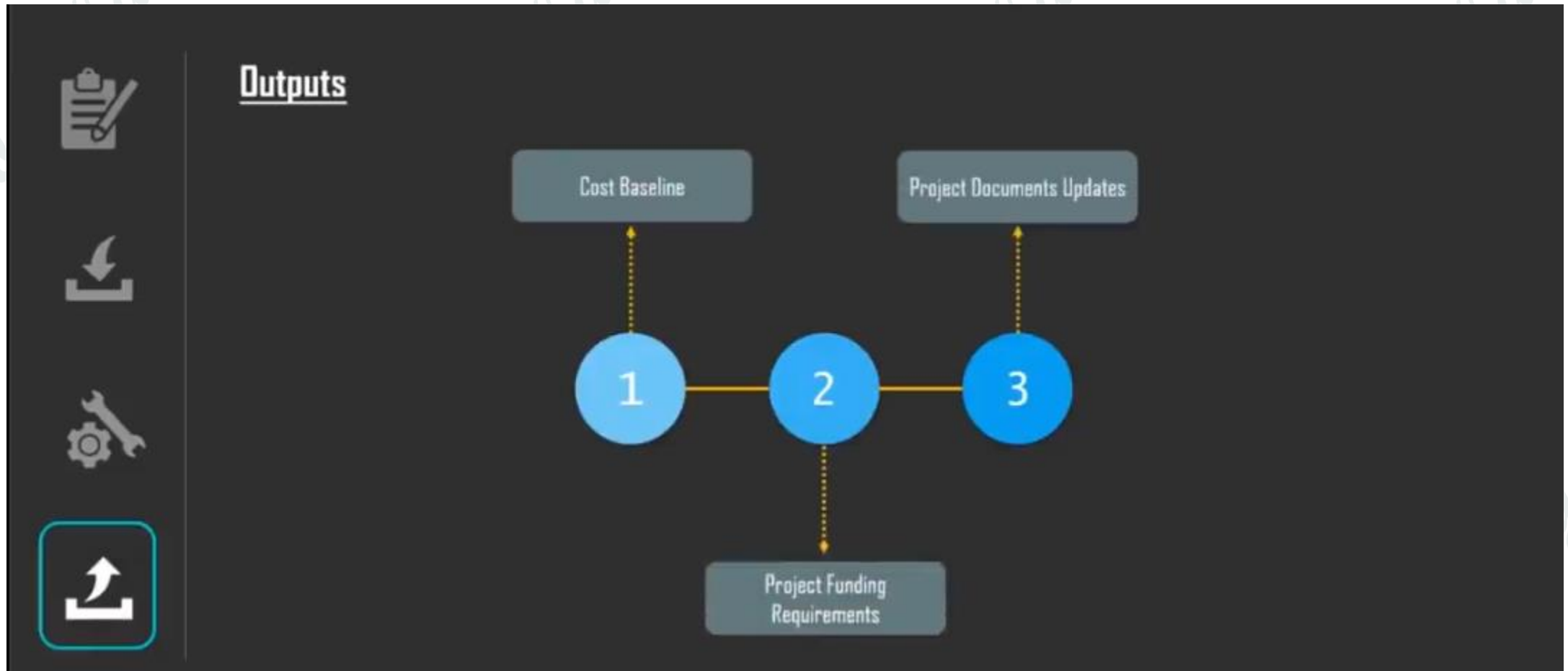
Determine Budget

The screenshot shows a dark-themed software interface. On the left is a vertical sidebar with four icons: a clipboard with a pencil, a download arrow, a gear with a wrench, and an upload arrow. The main area is titled "Inputs" and contains a light gray rounded rectangle labeled "Agreements". Inside this rectangle, there is a checkmark followed by the text: "Applicable agreement information and costs relating to products, services, or results".

Determine Budget



Determine Budget



Control Costs



Description

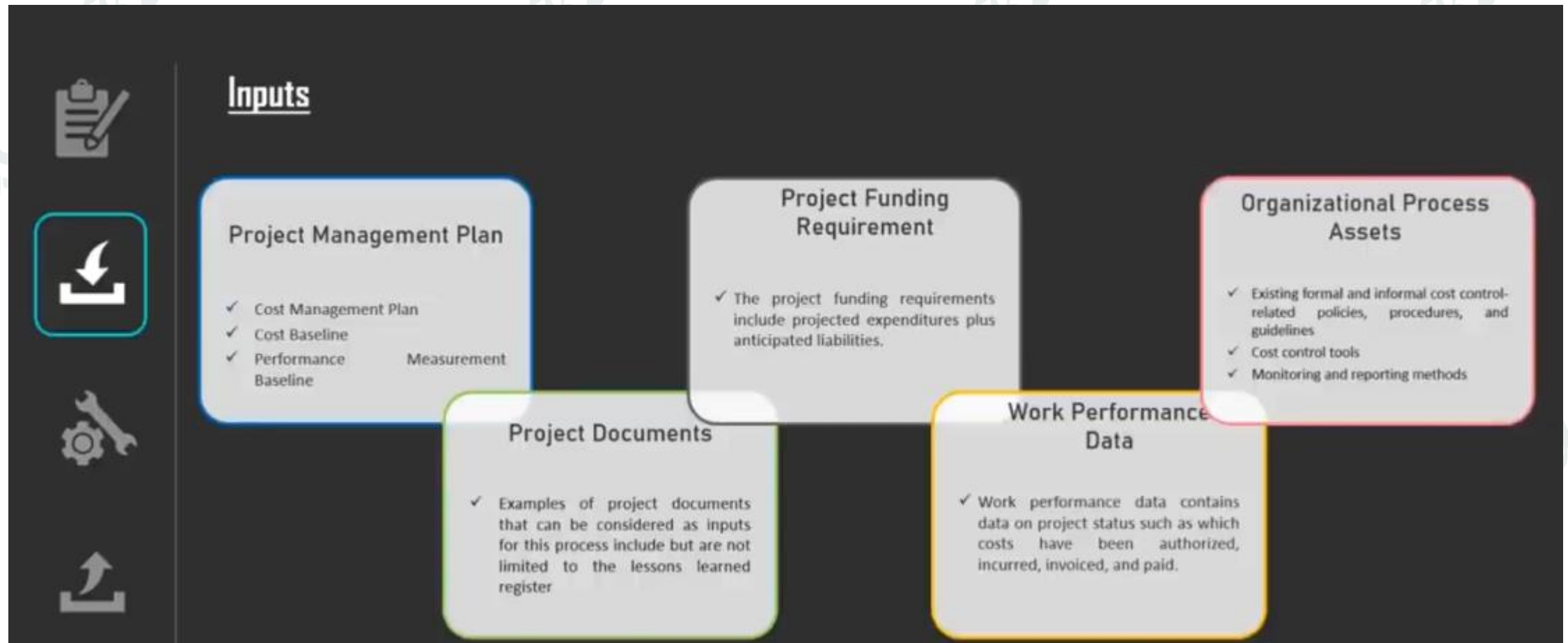
Control costs is the final process of project cost management which is primarily concerned with the measurement of variances of the actual costs from the proposed baseline.

Various methods and procedures are implemented here to track the project performance and expenses against its progress rate.

Meanwhile, all these variances are recorded and compared with the actual cost baseline.

Control costs process will be responsible for explaining the reason for variance and further assists the project manager in taking corrective actions to incur minimum costs

Control Costs



Control Costs



Control Costs

