3

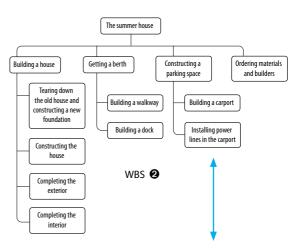


Planning



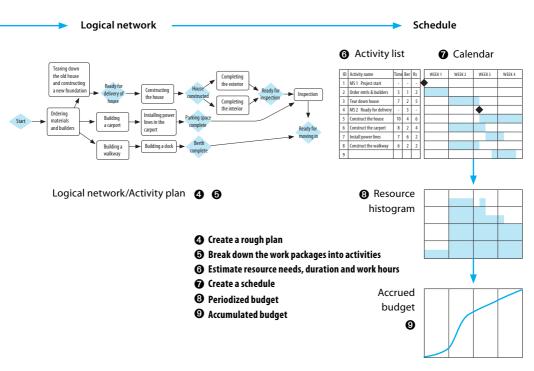


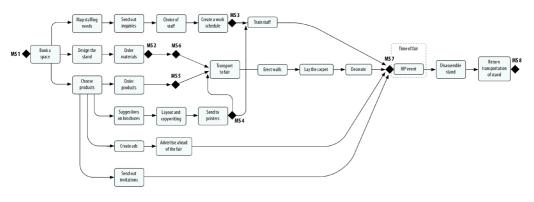
♠ Check the purpose and objective



- ② Define the scope with a WBS
- Check against the requirements











▶ Work = Investment × Duration = Number of people × Calendar time



ID	Activity name	Duration	Dependency	Resources	Work time
MS 1	Project initiated	0			
1	Book a space	5	MS1	1	4
2	Choose products	10	1	3	12 x 3 = 36
3	Order products	2	2	2	16 x 3 = 32
4	Design the stand	15	1	3	40 x 3 = 120
5	Order materials	10	4	2	8 x 2 = 16
MS 2	Materials ordered		3;5		
6	Map staffing needs	2	1	3	4 x 3 = 12

ID – identification number for activity.

Activity name - what the activity is called.

Description – the result that the activity is supposed to deliver.

Duration – the calendar time the activity may use. Alternatively: start and finish time (Days).

Dependency – connections to earlier activities or milestones.

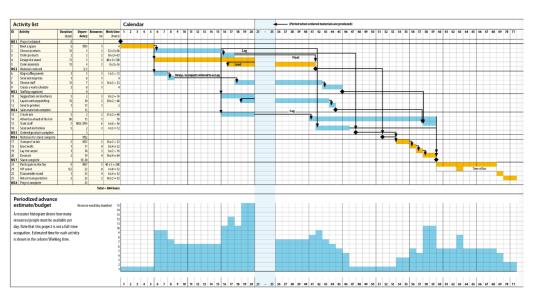
Resources – number of people planned, should be supplemented with required competencies.

Work time – the time used to performed the activity (Hours).

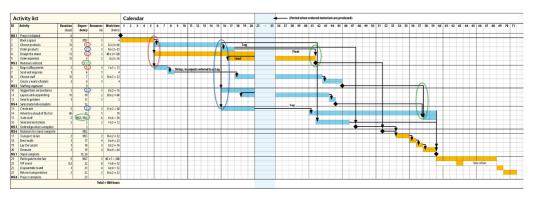
ID	D	Dependencies					
Description							
Start	Work	End					

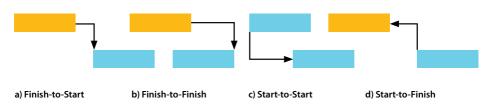
▶ Activity description – ID number, Dependencies, Start and end points and Duration.



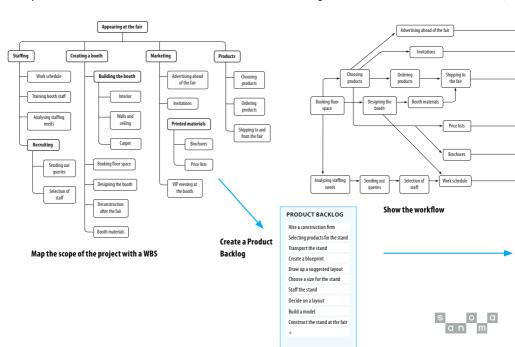




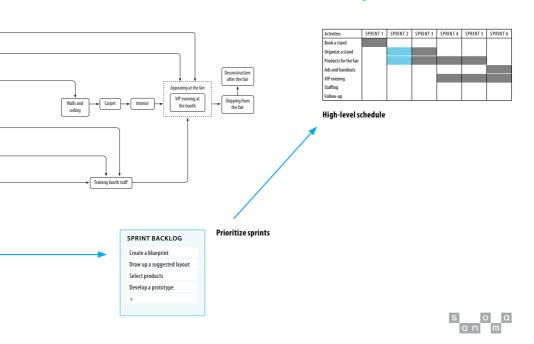


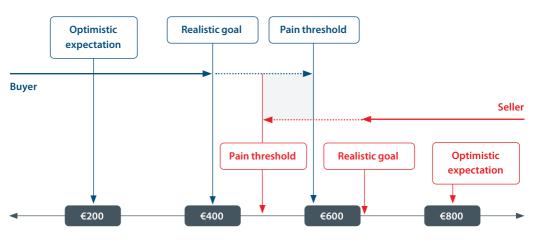




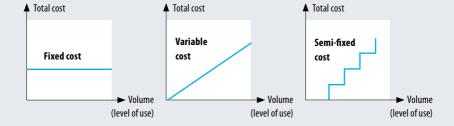


Overall schedule



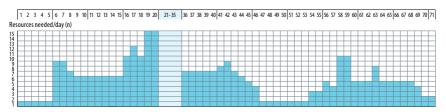




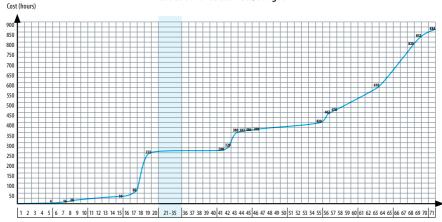


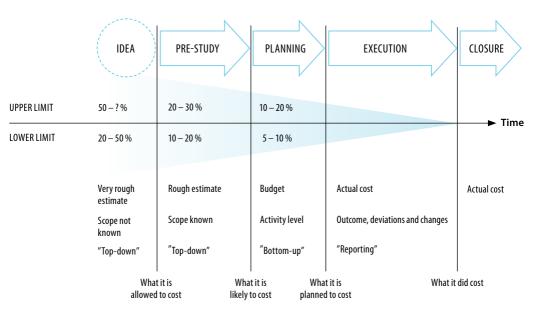


Periodized advance estimate/budget



Accrued advance estimate/budget







Risk (L = Likelihood, C = Consequence)	Likelihood 1 to 5	Consequence 1 to 5	Risk value L×C=	Risk response
The system is too slow.	2	2	4	
Resource deficit for supplier.	2	5	10	Draw up contracts.
Internal resource deficit.	4	5	20	Sign on resources well ahead of time.
Employees need education.	3	3	9	
Immature technology with teething problems.	4	5	20	Review alternatives. Plan more tests and evaluations.
The current scanning system is not sufficient.	3	4	12	Request quotations for new equipment.
Low acceptability among users.	4	5	20	Present the purpose of the project at an early stage. Train users.

"Identification"	"Valuation"					"Action management"		
Risk event	Likelihood 1 to 5	Consequence 1 to 5	Timing 1, 2 or 3	Risk value L x Q x T =	Strategic Q, T or R	Risk action	Cost	Responsible party
Delay due to long contract negotiations.	3	3	2	18	Т	Minimize risk by using a standard agreement.	Low	Project manager
Resource collision with another project.	2	5	1	10	R	Clear resource planning and early allocation.	Low	Project manager
Delay from supplier.	3	3	2	18	R	Include a damages clause in the agreement.	Medium	Purchaser
Unclear delimitations from the start.	5	2	2	20	Q	Go over the require- ments again.	Medium	Project manager
Low tech maturity among users.	3	5	1	15	R	Accept, no action.	-	-

Likelihood How likely is it that the risk event happens? 5 = high, 1 = low

Consequence Impact on the project? 5 = high, 1 = low

Timing When can the risk event happen? 3 = soon, 2 = unclear, 1 = at a later stage of the project

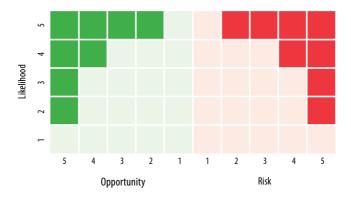
Risk value Combination of L, Q and T. Risk values over 15 should be managed.

Strategic The risk event impacts Q (quality), T (time) or R (resources/costs) most. Should be weighed against the priority in Q, T and R in the project.

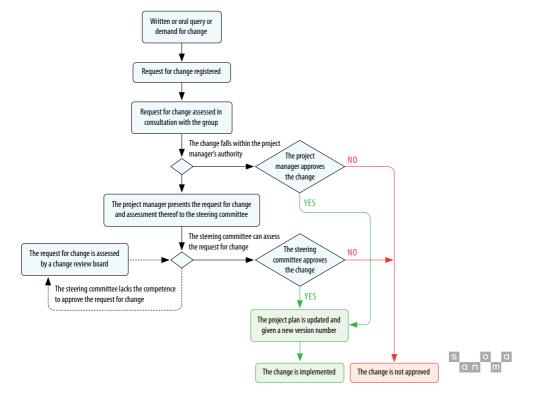
Risk action Suggested action to decrease the risk value.

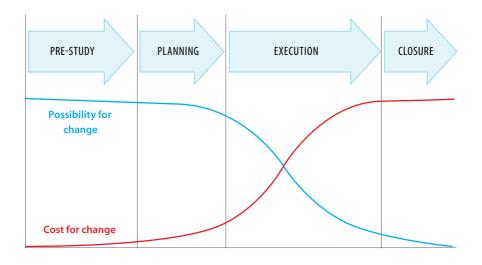
Cost Assessment of the cost for the action. Should be weighed against what the risk event can cost if it occurs.



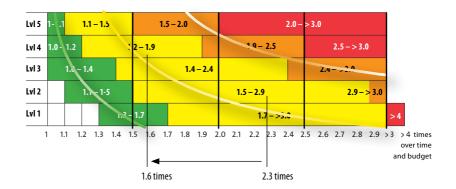












Project management maturity levels

5 - Optimized

A learning organization that continually improves its processes, with high flexibility and where management serves as a model.

4 - Controlled

The project process is integrated with other organizational systems, all projects use the processes, projects are governed by key figures and there is project portfolio management.

3 - Defined

A common project process, committed managers, a project management office, status reports including risk, change management and quality governance.

2 - Repeated

Several different project processes, projects begin through formal orders, unclear division of responsibility and unclear communications strategy.

1 - Conscious

No established project processes, unclear division of responsibility, events and individual choices determine the work and everything depends on the key personnel.