

	Case Name: C2018-09	Sector		
	OR-AS Operations Research - Applications and Solutions www.or-as.be info@or-as.be	Baseline schedule	Schedule with resources	
			Schedule with costs	
		Risk analysis	Random Simulation	
			One of nine std. scenarios	
Submitted by	Mayté & Thymo		User defined distributions	
Date	2018	Project Control	Automatic tracking	
File Name	C2018-09		Tracking based on user input	

1. Project description

Project Authenticity

The project consists of *activity*, *resource* and *cost* data that were obtained directly from the actual project owner.

2. Project properties

2.1. Baseline schedule

General	
# Activities	41
Planned Duration (PD)	214 days*
Budget at Completion (BAC)	€ 439.234,00
Renewable Resources	5
Consumable Resources	-

Network Topology	
Serial/Parallel (SP)	50%
Activity Distribution (AD)	50%
Length of Arcs (LA)	9%
Topological Float (TF)	20%

* Standard eight-hour working days

2.2. Risk analysis

Random simulation by ProTrack was performed using the default symmetric triangular risk distribution profiles.

	Cost sensitivity		
	avg (%)	std dev (%)	skew (-)
CRI-r	10,71	13,97	1,7
CRI-rho	26,94	19,66	0,2
CRI-thau	45,97	39,11	0,5

	Time sensitivity		
	avg (%)	std dev (%)	skew (-)
CI	43,1	36,2	0,4
SI	42,2	37,2	0,0
SSI	8,5	13,4	2,9
CRI-r	11,5	12,0	2,6
CRI-rho	12,8	13,0	2,4
CRI-thau	18,9	19,2	2,2

	Resource sensitivity		
	avg (%)	std dev (%)	skew (-)
CRI-r	35,20	30,26	0,6
CRI-rho	32,40	29,83	0,5
CRI-thau	27,40	17,98	0,9