

	Case Name: Festival	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	
Submitted by	Mayté & Thymo		One of nine std. scenarios	
Date	2018	Project Control	User defined distributions	
File Name	C2018-05 Festival		Automatic tracking	
			Tracking based on user input	

## 1. Project description

Project Authenticity

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

## 2. Project properties

### 2.1. Baseline schedule

General	
# Activities	30
Planned Duration (PD)	265 days*
Budget at Completion (BAC)	€ 1.287.700,00
Renewable Resources	-
Consumable Resources	-

Network Topology	
Serial/Parallel (SP)	55%
Activity Distribution (AD)	43%
Length of Arcs (LA)	30%
Topological Float (TF)	17%

\* 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	10,31	16,14	1,5
CRI-rho	39,98	16,31	-1,3
CRI-thau	65,22	43,09	-0,5

	Time sensitivity		
	avg (%)	std dev (%)	skew (-)
CI	57,7	45,1	-0,3
SI	78,9	31,1	-1,3
SSI	8,6	14,9	2,4
CRI-r	15,4	15,9	1,8
CRI-rho	23,6	18,1	0,9
CRI-thau	28,4	33,6	1,5

	Resource sensitivity		
	avg (%)	std dev (%)	skew (-)
CRI-r	N/A	N/A	N/A
CRI-rho	N/A	N/A	N/A
CRI-thau	N/A	N/A	N/A