



ControldeProyectos.com

A close-up photograph of a person's hand in a blue striped shirt holding a black pen with a gold nib. The hand is pointing at a Gantt chart on a white sheet of paper. The chart shows various task bars in black, red, and blue, connected by arrows indicating dependencies. The background is a wooden desk.

Gestión de Riesgos Análisis de Cronogramas

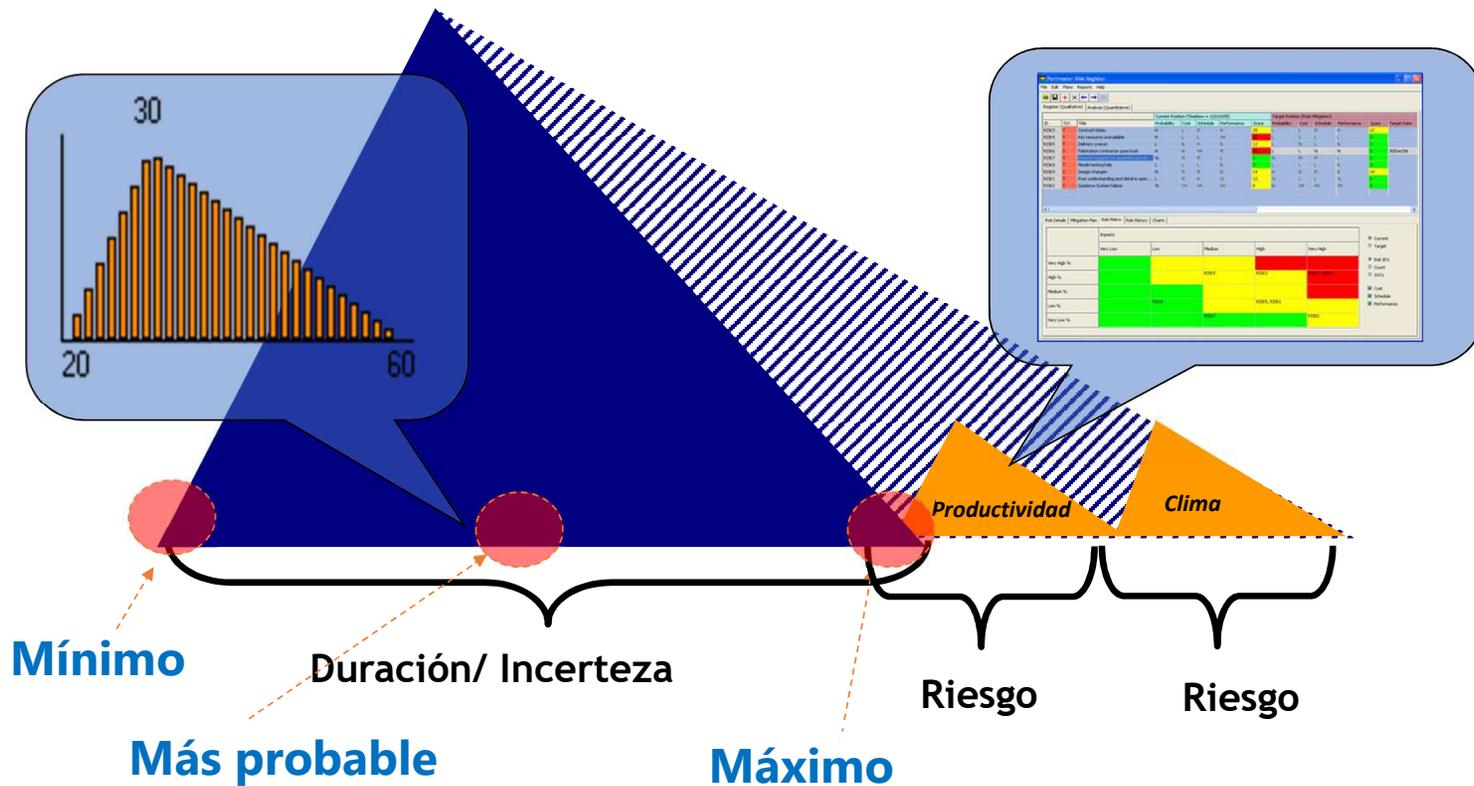
**Variabilidad
e
Incerteza**



Ejemplo



Riesgo en la duración de las actividades

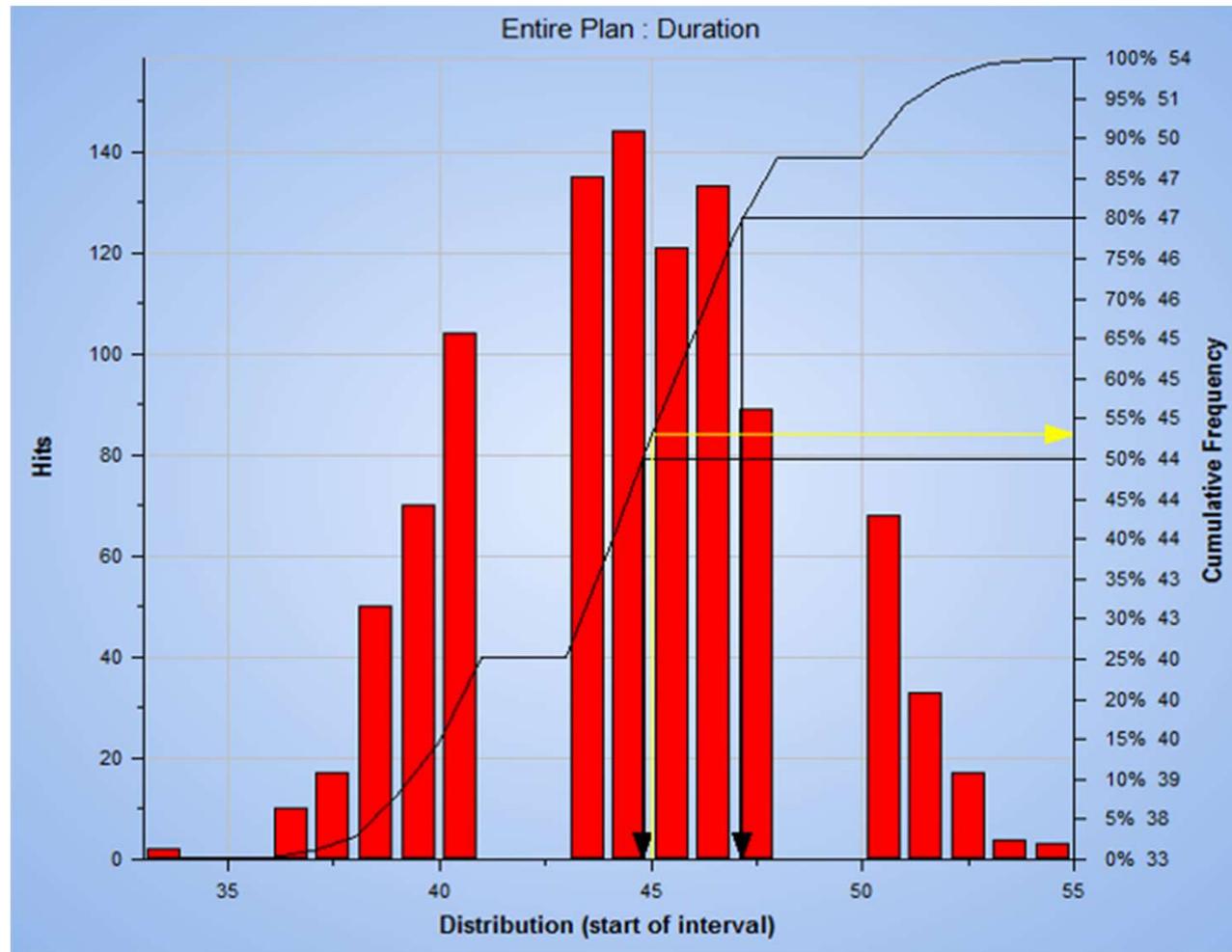


Gestión de Riesgos en Cronogramas

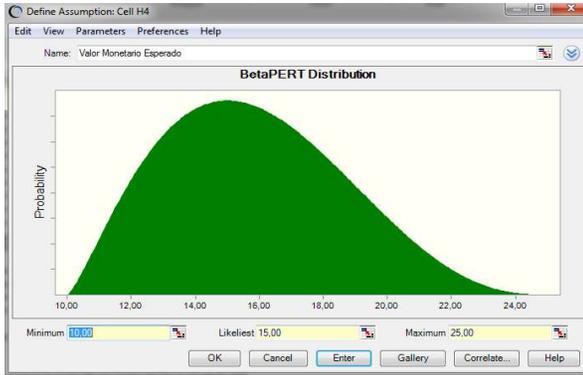
- ✓ Proveer visibilidad de cuales riesgos impactan al plazo del proyecto
- ✓ Monitorear los riesgo del proyecto para evitar retrasos
- ✓ Ver y analizar probabilidades, impactos, y umbrales cos cada riesgo individual o global.



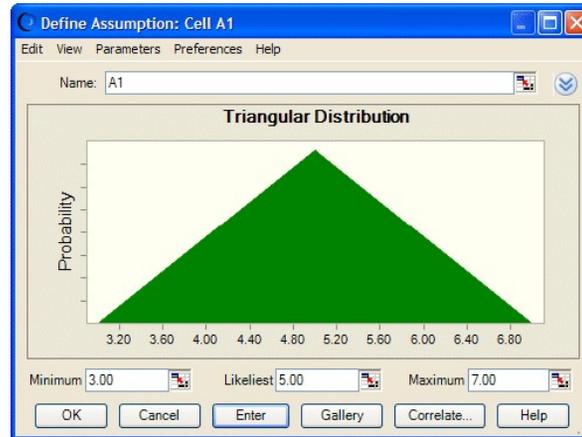
Distribución de probabilidad de la duración



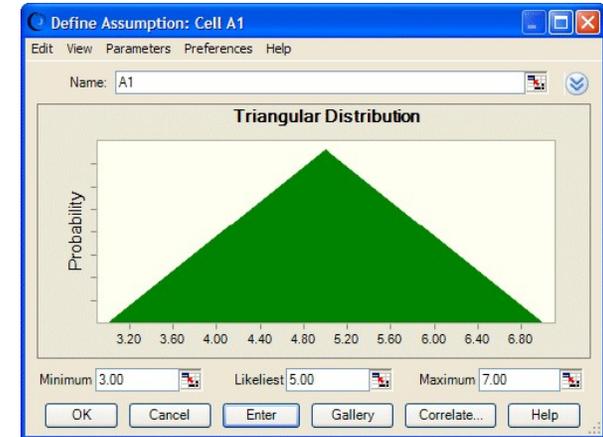
Las distribuciones más utilizadas



PERT o BetaPERT



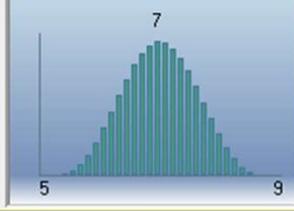
Triangular



Trigen

| ID | Description | Remaining Duration | Jul '20 | | | Aug '20 | | | Minimum Duration | Most Likely | Maximum Duration | Task Existence % |
|------|-------------|--------------------|---------|----|----|---------|----|----|------------------|-------------|------------------|------------------|
| | | | 15 | 22 | 29 | 6 | 13 | 20 | | | | |
| 0010 | A | 10 | | | | | | | 8 | 10 | 13 | |
| 0020 | B | 7 | | | | | | 5 | 7 | 9 | | |
| 0030 | C | 15 | | | | | | 11 | 15 | 19 | | |

| Distribution | BetaPert |
|--------------|----------|
| Minimum | 5 |
| Most Likely | 7 |
| Maximum | 9 |

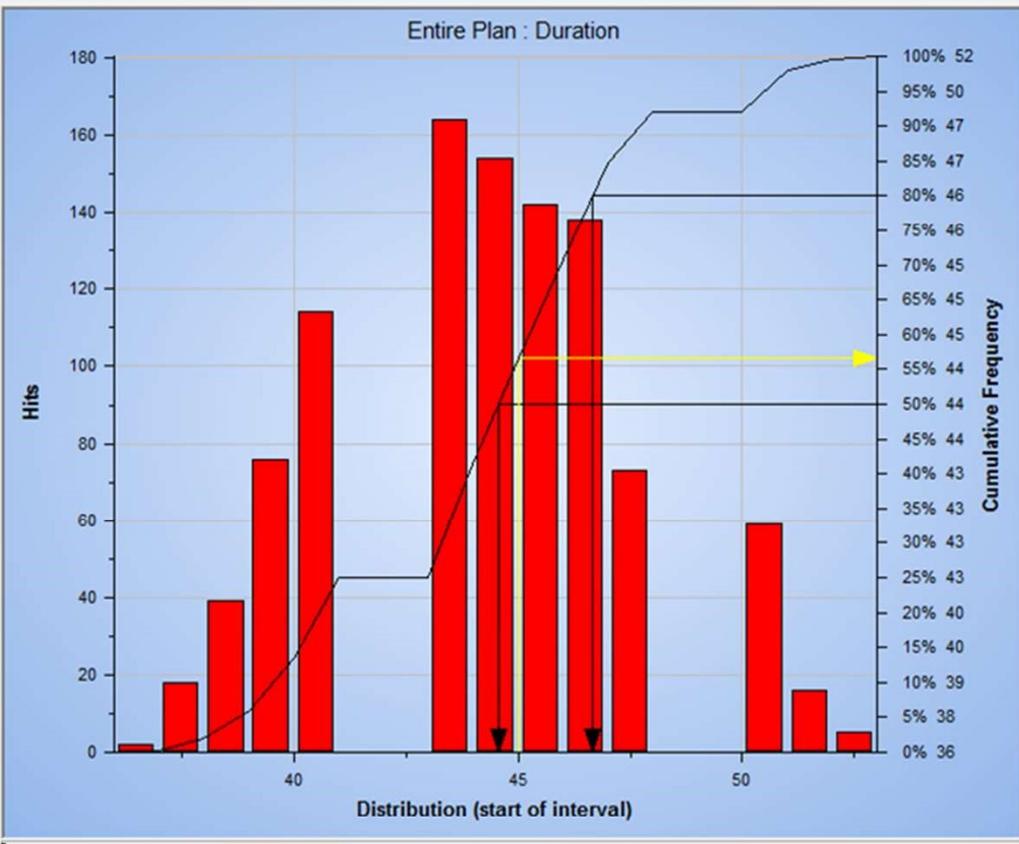


Notes:

Search

<EntirePlan>

- 0010 - A
- 0020 - B
- 0030 - C



Data

Duration of: Entire Plan

Analysis

Iterations: 1000

Statistics

| | |
|------------|-----|
| Minimum: | 36 |
| Maximum: | 52 |
| Mean: | 44 |
| Bar Width: | day |

Highlighters

| | |
|--------------------|-----|
| Deterministic (44) | 57% |
| 50% | 44 |
| 80% | 46 |

Tasks Resources

Finish Date Start Date **Duration** Float Cost NPV IRR

Histogram

Bar Width: Automatic (day)

Color: ■

Use as default for new projects

Highlighters

- Selected: 50%
- Deterministic (44)
- 50%
- 80%

Add to Distribution Analyzer

Show Distribution Analyzer...

OK Cancel

Duration Sensitivity: Entire Plan - All tasks



Definition of Duration Sensitivity
The duration sensitivity of a task is a measure of the correlation between its duration and the duration (or dates) of the project (or a key task or summary).

Analysis

| | |
|------------|-----------------|
| Simulation | Latin Hypercube |
| Iterations | 1000 |

Sensitivity calculation

Correlation between:
Duration of Entire Plan
And:
Duration of each task in the plan
Using: Pearson's product moment.

Display

Normal tasks only
Showing 10 highest values
Values greater than: 0

Duration Sensitivity Cost Sensitivity Criticality Index Duration Cruciality Schedule Sensitivity Index

Display mode: Tasks Risks

Task types to display:

| | |
|--|---|
| <input checked="" type="checkbox"/> Normal tasks | <input type="checkbox"/> Risk summary tasks |
| <input type="checkbox"/> Summary tasks | <input type="checkbox"/> Base tasks |
| <input type="checkbox"/> Milestone tasks | <input type="checkbox"/> Risk impacts |
| <input type="checkbox"/> Monitor tasks | |
| <input type="checkbox"/> Hammock tasks | |

Filter:

| | |
|--|-----|
| <input checked="" type="checkbox"/> Show top | 10 |
| <input checked="" type="checkbox"/> Ignore values smaller than +/- | 0 % |
| <input type="checkbox"/> Ignore negative values | |

Bookmark Visible Tasks

OK Cancel