

# Experimentation Planning

 Español

## Entries

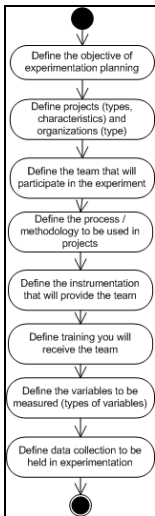
- Document specification for the experiment
  - ◆ Can it be used configuration management ?: **Yes**

## Exit

- Experimental Planning Document
  - ◆ Can it be used configuration management ?: **Yes**

## Solution

## Process



## Development time

- ◆ To acquire the necessary knowledge to develop the software product: 10 days
- ◆ To create the Product Pattern: 2 hours.
- ◆ To apply the Product Pattern: 15 days.

## Explanatory Video

- ◆ Not applicable

## Related Patterns

- [Data Analysis of Experimentation by Contrast Hypothesis](#)
- [Data Analysis Between Two Variables Using Correlation Technique](#)
- [Execution of Experimentation](#)

## Quality Controllers

- None

## Templates

- None



## Examples

- None



## Support Tools

- Word processor ([Microsoft Word](#), [Apple Pages](#), [OpenOffice Writer](#), [Google Docs](#))



## Initial Context

It is desired to make the planning of an experiment.



## Result Context

A document with experimentation planning of a project is obtained.



## Problem

The document "Planning Experimentation" serves to define the planification of how they will conduct an experiment.



## Restrictions (*Forces*)

- **Type of Organization:** Research Centers, Universities, SMEs, Large Companies.



## Roles

- Project Manager
- Researcher
- Student



## Lessons Learned

- None



## Capability Level

- Not applicable



## Basic Knowledge and Skills



## Knowledge

- Notions of statistics.



## Abilities

- Capacity of Abstraction.
- Capacity of Analysis.



## Information Resources

- Jedlitschka, A., Pfahl, D..(2005). [Reporting Experiments in Software Engineering](#). ISERN-REPORT-06-01. Fraunhofer Institute for Experimental Software Engineering.
  - Juristo, N., Moreno, M.A. (2001). [[Basics of Software Engineering Experimentation](#)]. Springer.
  - Raposo, F. Experimentation in Software Engineering: *An Introduction* [<http://www.rise.com.br>]
  - Wohlin, C., Runeson, P., Höst, M., Ohlsson, M.C., Regnell, B., Wesslén, A. (2000). [[Experimentation in Software Engineering: An Introduction](#)].Springer
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