

# **The R&D project manager's competence**

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# Spain researches

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Therefore, the financing of research in these days is characterized for:

- Plurality of financing sources
- Diversification of financial instruments
- Complexity of information and documentation
- New activities beyond the traditional basic research
- New structures and models of management

# Characteristics the researches

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- Information – communication
- Administration
- Finances
- Legality
- Relation – Commercial – Promotion
- Management of activities

# Quality in research

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- Ministry of Energy in the United States, in 1991 , *“shall develop, implement, and maintain a written Quality Assurance Program”*.
- NASA that, in 1996, said *“to be leaders in the world quality*
- AFNOR that, in 2001, published its first guideline, the one that proposes the use of quality management in the process of research.

# Quality projects research

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- Quality is referred to the existence of a plan of quality of projects, policies of quality of the sponsor organism, controls for the development of the project and continuous improvement, seen like learned lessons by the project equipment

# PMBOK® Guide 2004

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- Integration Management
- Scope Management
- Time Management
- Cost Management
- Quality Management
- Human Resource Management
- Communication Management
- Risk Management
- Procurement Management

# The study

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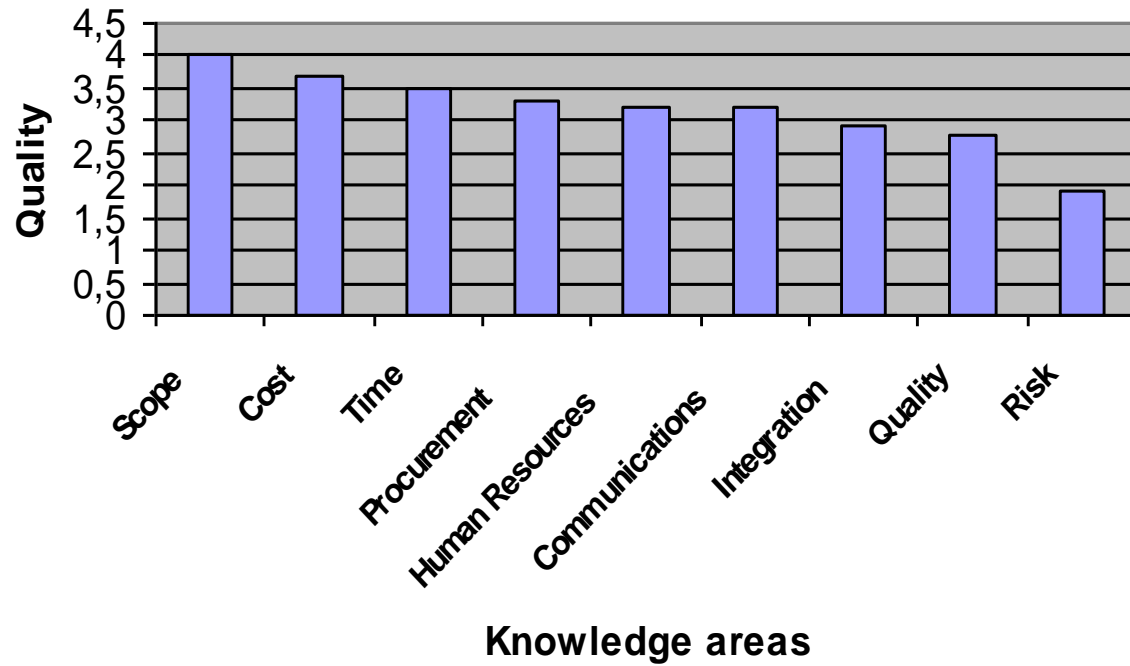
- 105 coordinators of the R&D groups of five universities
- questionnaire was had 52 questions.
- The following scale was used for evaluating the intensity of use of the different products.
  - 5: The product is always obtained.
  - 4: The product is obtained quite frequently
  - 3: The product is obtained frequently
  - 2: The product is seldom obtained
  - 1. The product is hardly ever obtained
  - 9: The product is irrelevant

# Results of the Project management

Knowledge areas	Quality Area	Standard deviation
Integration	2.8	0.8
Scope	4.0	0.2
Time	3.5	0.8
Cost	3.7	0.6
Quality	1.9	0.5
Human Resources	3.2	0.8
Communications	2.9	0.6
Risk	1.8	0.5
Procurement	3.2	0.6



## Quality Process



# CONCLUSION

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- The Quality is an important area in the research projects
  - To guarantee the results and products of the research project
  - To assure the tracking of the processes of the research projects