

## ANALYSIS AND EVALUATION OF TECHNOLOGY AND INNOVATION POLICIES

### Description

The projects and services offered on the analysis and evaluation of public policies for science, technology and innovation has the following main advantages:

- 1) On the one hand, the extensive experience available in the design and planning of policies related to science, technological change and innovation at different administrative levels (international, national, regional or local).
- 2) On the other hand, the skills and experience are available in the evaluation of the results of previous policies, paying particular attention to the different techniques for evaluating the impact of specific policies or programs on the private or public receivers of the policies or programs and their socio-economic benefits.



*Analysis and evaluation*

### How does it work?

In terms of policy design and planning, the methods employed combine, on the one hand, a deep understanding of the fundamental relationships between technological change and socio-economic dynamics. The most influential factors are that the innovative activity is reflected in positive results at both the macro and microeconomic levels and their transformative capabilities. On the other hand, it is based on an extensive analysis of the international experiences known to determine what kind of policies have been the ones that have obtained the best results according to their specific historical-institutional conditions of each case.

For the case of the evaluation of the impact of policies and programs, the most efficient techniques are used in the measurement of that impact. There are two planes that have to do with this evaluation; First, the relationship between policies, their instruments and the greater or lesser impulse they have on the innovative technological activity of companies or institutions. Second, it is a matter of seeing whether the greater or lesser technological innovation effort translates into more positive economic and social results. To this end, quasi-experimental analysis techniques are used to isolate the impact of technological and innovative aspects of other factors with other characteristics.

### Advantages

The first great advantage lies in the long evaluation experience of the research team, which has developed a combined system of database analysis, surveys and in-depth interviews.

Another advantage to be highlighted is that the studies are based on a broad knowledge of the scientific relationships between the various aspects of the innovation process. In this sense, it starts from a systemic view and transformative of the process of creating innovations, which requires the combination of economic, sociological and institutional variables.



*Evaluation and learning*

### Where has it been developed?

The fundamental basis lies in the Research Group on Economics and Innovation Policy of the UCM (GRINEI). It should be noted that this group, in addition to the participation of UCM staff, has the close and extensive collaboration of highly respected international experts from centers such as SPRU (University of Sussex), Manchester Institute for Innovation Research, University of Lisbon, University of London, University of Reading, Rutgers University, University of Chile, National Autonomous University of Mexico, University of Urbino, Luigi Boconni University of Milan, University of Rome, Maastricht University, among others. There is also the collaboration of national experts from the Universities of Salamanca, Seville, Zaragoza, Valencia, Jaen, Autónoma de Madrid, Leon and Polytechnic of Madrid.

Further. With more than 15 years of experience in interuniversity courses in Economics and Innovation Management, they are currently the Interuniversity Master in Economics and Innovation Management (MEGIN) and the Interuniversity Doctorate in Economics and Innovation Management (DEGIN), In both cases, in collaboration with the Universities Polytechnic and Autonomous University of Madrid.

### And moreover

The group offers the following services:

- To conduct technical feasibility studies for a specific application.
- To provide the possibility of technical assistance.
- To adapt the service to the specific problems of the client.

### Researcher in charge

**Ana Fernández Zubieta:** [a.fernandez.zubieta@ucm.es](mailto:a.fernandez.zubieta@ucm.es)  
**José Molero Zayas:** [jmolero@icei.ucm.es](mailto:jmolero@icei.ucm.es)  
**Complutense Institute of International Studies**  
**Department: Applied Sociology**  
**Faculty: Media and Communication Sciences**



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Medicine Faculty. Edificio Entrepabellones 7 y 8.  
C/ Doctor Severo Ochoa, 7. 28040 Madrid.  
[comercia@ucm.es](mailto:comercia@ucm.es)



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**COMPLUTRANSFER**  
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