



## **GROUP POLICY AND TECHNOLOGY MANAGEMENT**

Since its inception in 1989, the Group Policy and Technology Management has participated in internal and external projects that have enabled it to generate knowledge relevant to the region and the country and produce a wide range of articles, books, lectures, courses, consultancies, other product research and science communication.

In its long history, the Group has formed through graduate programs, about 190 masters and over 100 specialists in Technology Management, which undoubtedly has contributed to the creation of technological capabilities and innovation in organizations private and public institutions in the country.

Currently, the Group has the equivalent of five full-time researchers, two members are in doctoral training, with sponsorship from COLCIENCIAS and another two have sponsorship from the Universidad Pontificia Bolivariana as research interns.

The experience and capabilities of the group have materialized in recent years around four research areas: R & D Management, Organizational Capabilities and Systemic Innovation, Technology Policy Science and Technology Forecasting and Monitoring.

### **Among the services the group offers include:**

- Profiling technology
- Diagnostic technology and gap analysis
- Application of technology model for projects
- Technology plans
- Application of technology foresight techniques
- Surveillance technology
- Innovation strategy.

### **Most representative projects:**

- Innovation Strategy Project for the unit of R & D + i of the Vice President of audit in Bancolombia.
- Execution of the program “Pioneros de la Gestión Tecnológica en Antioquia”. In partnership Antioquia governorship and UPB.
- High level formation course in Strategic innovation management (FANGEI).” In partnership Colciencias and University network.



- Appropriation of competitive intelligence methodologies to the planning of technological trajectories
- Strategic Foresight Program for the School of Engineering of the Universidad Pontificia Bolivariana
- Territorial Agenda for innovation and technological development of Medellin and Antioquia
- Designing a model for assessing the consumption of beef in Antioquia using system dynamics tools
- Mathematical model: optimal size for a chemical processing plant. "
- Composition for flavoring, spices and coloring for food pressurized in spray
- UPB INNOVA, Innovative University.
- Management of technology by projects methodology applied in various organizations.
- Methodology for technological innovation analysis, S curves
- Analysis of the dynamics of food security in a developing country

#### **SCIENTIFIC DEVELOPMENTS**

- Dimensional and mathematical model for optimal planning in process industries
- Determinants of the research strategy of research groups Antioquia
- Determinantes de la estrategia investigativa de grupos de investigación antioqueños.
- DNA of innovation.