



# Information Analysis and Management Group



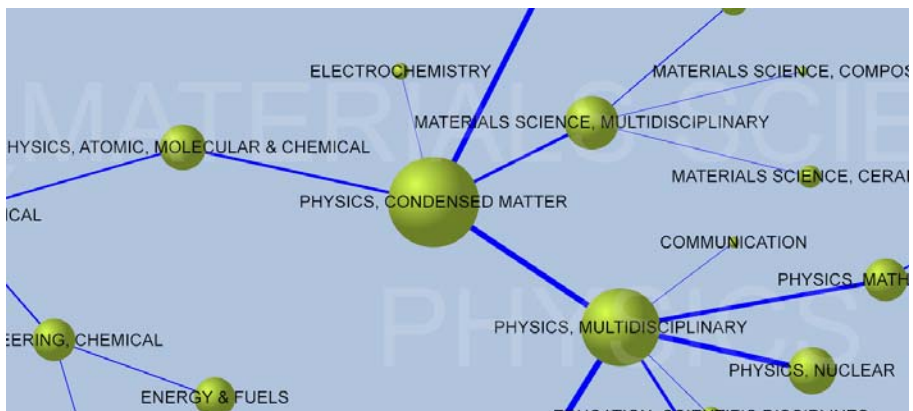
Universidad  
Carlos III de Madrid  
[www.uc3m.es](http://www.uc3m.es)

## Information Analysis and Management Group

The Information Analysis and Management Group (GAIA) is composed by a burgeoning and multidisciplinary team of Documentation professionals. It is focused on professional consultancy, training and research activities targeted on the strategic management of information and on providing efficient information services. The group has worked with organizations from different Media sectors, Social Services and Foundations, Companies, and Public Administration including Universities and Libraries along with Documentation Centres. We offer consultancy services on a wide range of areas related with information management, including the development of information strategies; needs analysis, information audits and information maps; information services and systems evaluation; systems development; information services and products; redesign of libraries and documentation centres as well as training and professional development.

In our investigation tasks, we focus our works on the creation of knowledge and information maps (information mapping) paying special interest on providing solutions for the analysis, understanding and explanation of large data volumes with techniques that help on the information and knowledge discovering and extraction. The solutions and tools we have developed on this area up to this date can be applied on the extraction of scientific data for their subsequent study and representation by means of techniques of social networks analysis and displaying. These displaying techniques are widely used to improve our understanding on the characteristics and structure of network information and that arranged with heterogeneous tabular data.

We can provide solutions to organisms, institutions and companies interested on scientific and statistic data extraction, the analysis of scientific dynamics; the analysis of interfaces between science, technology and innovation; studies on the scientific investigation performance; studies of structures and topologies in scientific cooperation networks, in addition to visual information systems for those interested.





## Enabling professional development and training

We possess a wide experience on training various kinds of organizations and pupils. We have worked with journalists, librarians, public administration staff, and people in charge of libraries and documentation centres of diverse sectors in order to improve their technological abilities along with their information and digital documentation manipulation skills. We train people whose work is training other people in information related jobs.

## Scientific information displaying

The exploration of scientific information and data, and its displaying by means of computer generated visualization techniques, allows a better understanding of the scientific structures on different organizational, social or cognitive levels.

## Information mapping (Science and Information Mining)

The textual scientific information recovery was traditionally carried out by author, title and summary searches. Our work is directed to the representation of information contained on data bases by means of mapping techniques, applying bibliometric criteria and social networks analysis, as well as by creating graphical interfaces that enable an improved extraction and discovery of scientific knowledge structures and information.

## OUR MEANS

We possess a laboratory equipped with all the necessary means to tackle the analysis, extraction and representation of knowledge.

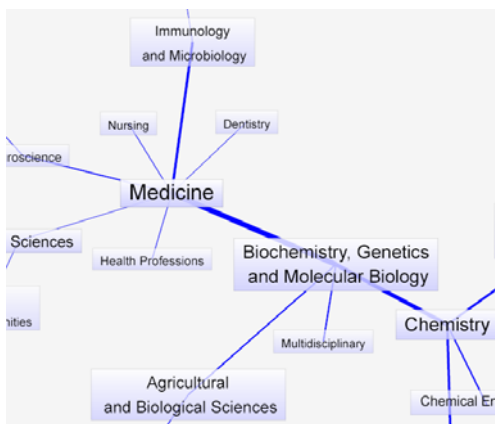
- Biprocessor server, based on Intel platform. Redundant built-in non volatile memory system based on Ultra 320 SCSI technology, RAID 5 configuration. 6 Gb Built-in volatile memory.

- NAS external massive storage device based on disk booths with data redundancy and SCSI connection with a central server. Based on Serial ATA technology. 2 Tb capacity.

- Software: SUSE Linux Enterprise Server operative system. SGBD Oracle 9i. Application Server.

- Biprocessor server, based on Intel platform. Redundant built-in non volatile memory system based on Ultra 320 SCSI technology. 4 Gb Built-in volatile memory. Windows 2000 Advanced Server operative system.

Common equipment to both servers: electrical power supply: switchboard assembly, uninterruptible power supply with multiple plugs and a current coverage of about 20-30 minutes with battery. NAS Network hard disk drive for periodic back-up. 2 Tb capacity.



## OUR EXPERIENCE

We have worked, among other customers, with companies such as Santillana Editores, Antena 3 TV, Tele Cinco, Grupo Recoletos de Comunicación and RTVE (Spanish National Television); with social institutions such as Fundación Bertelsmann, Fundación Sánchez Rui Pérez, Fundación Albéniz or CEPYME; and also with organizations belonging to the Public Administration: Community of Madrid, Generalitat Valenciana, Castilla-La Mancha Board, Andalucía Board, BOE (Official State Gazette) and Women's Institute.

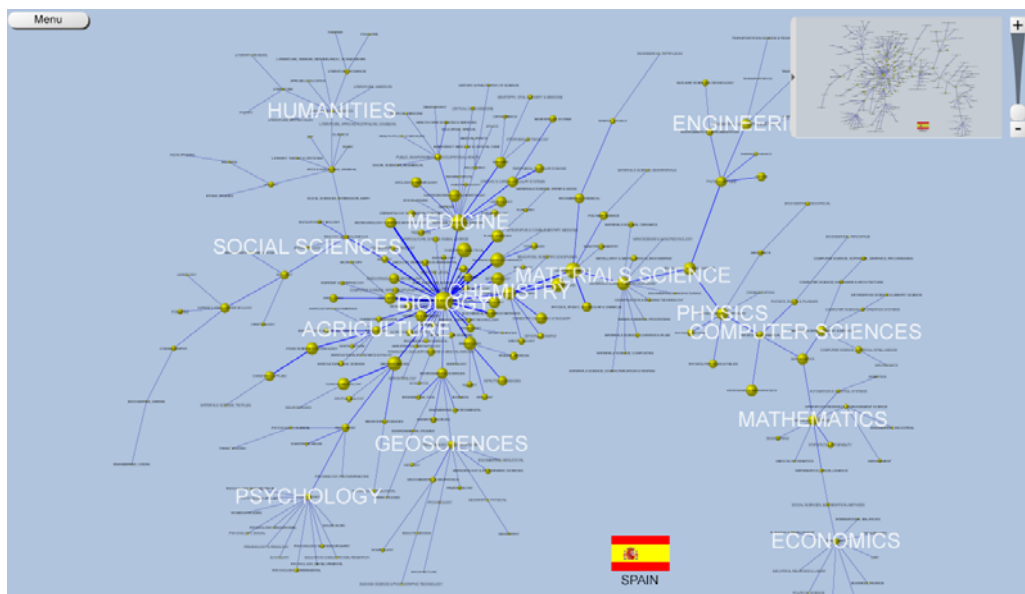
Whenever necessary, we can turn to different specialists and consultants to make sure that our clients get the best professional team.

The group maintains active collaboration lines with well renowned research groups on scientific Documentation and Information in Spain at the Universities of Granada and Extremadura.

The scientific projects that support this collaboration are national (National Plan of R&D, Ministry of Education and Science) and regional (Community of Madrid. Directorate-General of Universities and Research).

## INNOVATIVE SOLUTIONS

Our solution to the problems we pose, our knowledge, methodology and tools can be consulted by accessing to our main investigation projects: the Atlas of Science ([www.atlasofscience.net](http://www.atlasofscience.net)), and SCImago Journal and Country Rank ([www.scimagojr.com](http://www.scimagojr.com)).



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