

UC3M

TECNODOC

GROUP OF
TECHNOLOGIES
FOR INFORMATION
AND DOCUMENTATION

R E S E A R C H G R O U P S



Universidad
Carlos III de Madrid
www.uc3m.es





The Group of Technologies for Information and Documentation (TECNODOC) is a group of 10 researchers led by Dr. Tony Hernández Pérez and Dr. José Tomás Nogales Flores, specialized in auditing and starting up projects related to the implementation of digital information systems, and having extensive knowledge in the creation and maintenance of a digital information system for companies, as well as in the application of technologies in archives, libraries and documentation centers.

• LINES OF RESEARCH •

- Web accessibility
- Electronic records
- E-Administration
- Information architecture
- Digital libraries
- Digitization
- Special documentation: audiovisual, legal, healthcare
- E-Learning (Learning objects, standards...)
- Web content management
- Text marking
- Metadata (Dublin Core, LOM, Premis, Mets...)
- Search Engine Optimization
- Digital preservation
- Digital repositories

The screenshot shows a web browser window displaying a Moodle course page. The browser's address bar shows the URL <http://tecnodoc.org/moodle2/>. The page header includes the logo of the Spanish Government and the Ministry of Health and Social Policy, along with the text 'Plan de Calidad para el Sistema Nacional de Salud' and 'Ministerio de Sanidad y Política Social de España / Ministry of Health and Social Policy of Spain'. Below the header, the course title 'Gestión de riesgos y mejora de la seguridad del paciente' is displayed, along with the professor 'Tutor Online'. The course description states: 'Aprenda las fases, técnicas y herramientas más actuales en la gestión de riesgos y mejora de la seguridad del paciente, adaptado a su Organización o centro de trabajo asesorado por tutores expertos.' The course start and end dates are 'Comienzo: 21 de septiembre de 2010. Finalización: 21 de 2010.' The browser's search bar at the bottom shows the word 'wiki' and the search results are 'Terminado'.

On-Line Course "Risk management and improvement of patient safety" organized for the Ministry of Health and Social Policy.

• SCIENTIFIC-TECHNICAL SERVICES •

- Creation and maintenance of digital information systems for companies.
- Evaluation and audits of information services already in operation.
- Creation of interoperability strategies for information exchange, in terms of accessibility, usability, metadata information architecture, portals, search engines and open archives.
- Technology and standards advising for knowledge management. Also in relation to free software.
- Analysis and processing of digital compilations and documents.
- Advising, construction and maintenance of web services and portals (Internet/ Intranet), adapted to the standards

and guidelines of the Web Consortium, design and management of e-learning courses, etc.

• INNOVATIVE SOLUTIONS •

- Information management in digital environments based on free software. Management and maintenance of websites based on free software tools (Plone, Drupal, Joomla, DSpace...).
- Accessibility, dissemination of information through the web independently of platforms, browsers or devices and attending the disabled. Study of a correct information architecture and design of solutions adapted to the standards and guidelines of the Web Consortium.
- Open archives and digital repositories, systems to improve the visibility,

exchange, accessibility and preservation of electronic documents. Implementation of systems based on web interfaces, with free software and with work flow management for companies.

- Organization and dissemination of contents in journalistic companies. Use of tools based on internationally accepted technologies (NewsML, PRISM, NITF, etc.).
- Organization and dissemination of legal texts (legislation and jurisprudence) and e-administration. Design of information models making use of XML technologies. The group is a pioneer in the application of these technologies, both within the framework of research projects and contracts with companies.

• OUTSTANDING COLLABORATIONS AND R&D&I PROJECTS •

The clients of the group include national and international companies from the energy (Unión FENOSA), communications

(Telefónica), financial (Bankinter), legal and publishing (Dromi Sanmartino Con-sultores/Ediciones Ciudad Argentina), sports (Real Madrid, CF), documentary (PSD), or technological (TLR Software) sectors.

The group has also provided solutions to social organizations (Julián Besteiro School of UGT), standardization organizations (AENOR) and to various government agencies, either central (Ministry of Health, Ministry of Labor), regional (Education Council of the Community of Madrid) or local (Municipal Archives of Cordoba).

Some of the most relevant research projects of the group are:

- “On-line training on “Information Sources in Health Sciences” aimed at health-care professionals”
Ministry of Health and Social Policy. 2010
- “Support and management of the survey on healthcare strategies in palliative care, diabetes, cancer and cardiopathies”
Ministry of Health and Consumer Affairs. 2008-2009



Project for the digitization of photographs of the “Carta of España” graphic archive on Spanish overseas emigration”.

- “Study, cataloging, digitization and publication in the Internet of the Spanish Emigration Photograph Collection through the magazine “Carta de España””
Ministry of Labor and Immigration. 2008-2009
- “Analysis and Identification of lines for improving processes and tools used by TSID in its document management activities”.
Telefónica. 2008-2009
- “Consultancy, Technical Assistance and Training in Patient Safety Area. Management of Resources of Distance Learning via the Internet, Information and Database and Integration in the Web, Ministry of Health and Consumer Affairs, National Health Syst. Quality Agency”
Ministry of Health and Consumer Affairs. 2008

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TECNODOC

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