

**NOMBRE: ELENA GARCÍA BARRIOCANAL**

**CATEGORÍA PROFESIONAL: CATEDRÁTICA DE UNIVERSIDAD**

**RESUMEN DE LOS PRINCIPALES MÉRITOS**

Dpto: Ciencias de la Computación

Área de Conocimiento: Lenguajes y Sistemas Informáticos

**Tramos de investigación reconocidos: 4 investigación (2000-2005, 2006-2011, 2012-2017, 2018-2023) + 1 transferencia (2005-2010)**

**Tramos de docencia reconocidos: 4 (feb2000-feb2005, feb2005-feb2010, feb2010-feb2015, feb2015-feb2020)**

**1. MÉRITOS DE INVESTIGACIÓN**

**Listado de artículos publicados en revistas indexadas en Journal of Citation Report**

PUBLICACION	JCR EDITION	FACTOR IMPACTO	CUARTO
Sicilia, M.A., García-Barriocanal, E., Díaz, P., Aedo, I. and Díaz, P. (2003) A Literature Based Approach to the Annotation and Browsing of Domain-Specific Web Resources. Information Research 8(2)	ISI JCR Social Sciences Edition 2004	Information Science & Library Science. (0.841)	2
Sicilia, M.A. and García-Barriocanal, E. (2003). On the Concepts of Usability and Reusability of Learning Objects. International Review of Research in Open and Distance Learning, 4(2).	ISI JCR Social Science Edition 2011	Education & educational research (0.687)	2
Sicilia, M. A., García-Barriocanal, E. and Calvo, T. (2004) An Inquiry-Based Method for Choquet Integral-Based Aggregation of Interface Usability Parameters. Kybernetika, 39(5), 159-164	ISI JCR Science Edition 2004	Cybernetics (0.224)	3
Sicilia, M.A., Cuadrado, J.J., Crespo, J., García, E. (2005) Software Cost Estimation with Fuzzy Inputs: Fuzzy Modelling And Aggregation Of Cost Drivers. Kybernetika 41(2), 249-264	ISI JCR Science Edition 2005	Cybernetics (0.343)	3
García, E, Sicilia, M.A., Sánchez, S. (2005) Usability evaluation of ontology editors. Knowledge Organization 32(1),1-9.	ISI JCR Social Sciences Edition 2005	Information Science & Library Science. (0.533)	2
Sicilia, M. A., Lytras, M., Rodríguez, E. García, E. (2006) Integrating Descriptions of Knowledge Management Learning Activities into Large Ontological Structures: A case Study. Data and Knowledge Engineering 57(2), 111-121	ISI JCR Science Edition 2006	Information Science and Library Science (1,367)	2
Sánchez-Alonso, S. and García, E. (2006) Making use of upper ontologies to foster interoperability between SKOS concept schemes. Online Information Review, 30, (3), 263-277.	ISI JCR Social Sciences Edition 2006	Information Science and Library Science (0,750)	2
Sicilia, M.A., García, E. González-Sotos, L. (2006). Introducing fuzziness in object models and database interfaces through aspects. International Journal of Intelligent Systems 21(12), 1199 – 1216	ISI JCR Science Edition 2006	Artificial Intelligence (0.429)	3
Sicilia, M.A. and García-Barriocanal, E. (2006). Extending Object Database Interfaces with Fuzziness through Aspect-Oriented Design. ACM SIGMOD Record 35(2), 4-9.	ISI JCR Science Edition 2006	Software Engineering (1.455)	1
García, E., Sicilia, M.A. (2007) Representing Evidence about Interpersonal Relationships of Public People in the Semantic Web. Aslib Proceedings 59(6), 550564	ISI JCR Science Edition 2007	Information Systems (0.413)	4
García, E., Sicilia, M.A., Lytras, M. (2007) Pedagogical classification frameworks for learning objects: A case study. Computers in Human Behaviour 23(6), 2641-2655	ISI JCR Social Science 2007	Psychology: Multidisciplinary (1.344)	1
Sicilia, M.A., García, E., Sanchez, S. (2008) Empirical assessment of a collaborative filtering algorithm based on OWA operators. International Journal on Intelligent Systems 23(12), pp.1251-1263	ISI JCR Science Edition 2008	Artificial Intelligence (0.860)	3
Aroba, J., Cuadrado, J.J., Sicilia, M.A., Ramos, I., García Barriocanal, E. (2008) Segmented software cost estimation models based on fuzzy clustering. The journal of systems and software 81(11), pp. 1944-1950	ISI JCR Science Edition 2008	Software Engineering (1.241)	2
Sicilia, J.J., Sicilia, M.A., Sánchez-Alonso, S., García-Barriocanal, E. and Pontikaki, M. (2009) Knowledge Representation Issues in Ontology-based Clinical Knowledge Management Systems. International Journal of Technology Management 47(1-3), 191-206	ISI JCR Science Edition 2008	Engineering: Multidisciplinary (0.526)	3
Sicilia, M.A. García-Barriocanal, E. Sánchez-Alonso, S. Rodríguez-García, D. (2009) Ontologies of engineering knowledge: general structure and the case of Software Engineering. Knowledge Engineering Review 24(3), 309-326.	ISI JCR Science Edition 2009	Artificial Intelligence (1,588)	2
Sicilia, M.A., Sánchez-Alonso, S., García-Barriocanal, E. and Zapata, M. (2011) Modeling instructional-design theories with ontologies: using methods to check, generate and search learning designs. Computers and Human Behavior, 27(4), pp. 1389-1398	ISI JCR Social Science 2010	Psychology: Multidisciplinary (1,865)	1

Sanchez-Alonso, S., Sicilia, M.A., Garcia-Barriocanal, E., Pages-Arevalo, C., Lezcano, L. (2010) Social models in open learning object repositories: A simulation approach for sustainable collections, <i>Simulation Modelling Practice and Theory</i> , 19(1), pp. 110-120.	ISI JCR Science Edition 2010	Software Engineering (0,736)	3
Rodríguez, D., García, E., Sánchez, S., Rodríguez-Solano, C. (2010) Defining software process model constraints with rules using OWL and SWRL. <i>International Journal of Software Engineering and Knowledge Engineering</i> 20(4), 533-548 <a href="http://dx.doi.org/10.1142/S0218194010004876">http://dx.doi.org/10.1142/S0218194010004876</a>	ISI JCR Science Edition 2010	Software Engineering (0,248)	4
Rodríguez, D., Sicilia, M.A., Sanchez-Alonso, S., Lezcano, L. and García-Barriocanal, E. (2011) Exploring affiliation network models as a collaborative filtering mechanism in e-learning. <i>International Journal of Interactive Learning Environments</i> , <i>Interactive Learning Environments</i> , 19(4), pp. 317-331	ISI JCR Social Science 2010	Education and Ed. Research (0,707)	2
García, E., Sanchez, S., Rodríguez, D., (2011) Devising instruction from empirical findings on student errors: a case in usability engineering education. <i>International Journal on Engineering Education</i> 27(1), pp. 1-7	JCR Science Edition 2008	Engineering Multidisciplinary (0,552)	3
Sicilia, M.A., Sánchez-Alonso, S. and García-Barriocanal, E. (2011). Comparing impact factors from two different citation databases: the case of computer science. <i>Journal of Informetrics</i> , 5(4), 698-704. <a href="https://doi.org/10.1016/j.joi.2011.01.007">https://doi.org/10.1016/j.joi.2011.01.007</a>	ISI JCR Social Science Edition 2011	Information Science and Library Science (4.229)	1
Segura, A., Sánchez, S., García, E., Prieto, M. (2011) An empirical analysis of ontology-based query expansion for learning resource searches using MERLOT and the Gene ontology. <i>Knowledge-Based Systems</i> , 24(1), 119-133. <a href="http://dx.doi.org/10.1016/j.knosys.2010.07.012">http://dx.doi.org/10.1016/j.knosys.2010.07.012</a>	ISI JCR Science Edition 2011	Artificial Intelligence (2,422)	1
Cechinel, C., García, E., Sánchez, S., (2011) Statistical Profiles of Highly-Rated Learning Objects. <i>Computers &amp; Education</i> , 57(1), 1255-1269. <a href="http://dx.doi.org/10.1016/j.compedu.2011.01.012">http://dx.doi.org/10.1016/j.compedu.2011.01.012</a>	ISI JCR Science Edition 2011	interdisciplinary applications (2,621)	1
García-Barriocanal, E., Sicilia, M.A., Sánchez-Alonso, S. and Lytras, M. (2011). Semantic annotation of video fragments as learning objects: a case study with YouTube videos and the Gene Ontology. <i>Interactive Learning Environments</i> 19(1), 22-44. <a href="https://doi.org/10.1080/10494820.2011.528879">https://doi.org/10.1080/10494820.2011.528879</a>	ISI JCR Social Science 2011	Education and Ed. Research (1.163)	1
Pavlis, M., García, E. (2008) Development of personalized learning objects for training adult educators of special groups, <i>Journal of Knowledge Management</i> , 12(6), 89-101 <a href="https://doi.org/10.1108/13673270810913649">https://doi.org/10.1108/13673270810913649</a>	ISI JCR Social Science Edition 2011	Information Science and Library Science (1.248)	2
Valiente, M.C., García, E. and Sicilia, M.A. (2012) Applying ontology-based models for supporting integrated software development and IT service processes <i>IEEE Transactions on Systems, Man and Cybernetics Part C</i> , 42(1), 61-74. <a href="http://dx.doi.org/10.1109/TSMCC.2011.2132717">http://dx.doi.org/10.1109/TSMCC.2011.2132717</a>	ISI JCR Science Edition 2012	Artificial intelligence (2.548)	1
Korfiatis, N., García, E, Sanchez, S. (2012) Evaluating content quality and helpfulness of online product reviews: The interplay of review helpfulness vs. review content. <i>Electronic Commerce Research and Applications</i> 11(3), 205-217. <a href="http://dx.doi.org/10.1016/j.elerap.2011.10.003">http://dx.doi.org/10.1016/j.elerap.2011.10.003</a>	ISI JCR Science Edition 2012	Artificial intelligence (1,480)	2
Samaras, L, García, E., Sicilia, M.A (2012) Syndromic surveillance models using Web data: the case of scarlet fever in the UK. <i>Informatics for Health and Social Care</i> 37(2), 106-124. <a href="http://dx.doi.org/10.3109/17538157.2011.647934">http://dx.doi.org/10.3109/17538157.2011.647934</a>	ISI JCR Science Edition 2012	Health care and informatics (1,273)	4
Valiente, MC, Sicilia, M.A., García, E. (2012) Applying an Ontology Approach to IT Service Management for Business-IT Integration. <i>Knowledge-Based Systems</i> , 28, 76-87. <a href="http://dx.doi.org/10.1016/j.knosys.2011.12.003">http://dx.doi.org/10.1016/j.knosys.2011.12.003</a>	ISI JCR Science Edition 2012	Artificial intelligence (4.104)	1
Sicilia, M.A., Rodríguez, D., Garcia, E., Harrison , R (2012) Empirical findings on the effect of team size and productivity in software development. <i>Journal of Systems and Software</i> , 85(3), 562-570. <a href="http://dx.doi.org/10.1016/j.jss.2011.09.009">http://dx.doi.org/10.1016/j.jss.2011.09.009</a>	ISI JCR Science Edition 20012	Software Engineering (1.135)	2
Sicilia, M.A., Rodríguez, D., García, E., Sánchez, S. (2012) Empirical Findings on Ontology Metrics. <i>Expert Systems with Applications</i> 39(8), 6706-6711. <a href="http://dx.doi.org/10.1016/j.eswa.2011.11.094">http://dx.doi.org/10.1016/j.eswa.2011.11.094</a>	ISI JCR Science Edition 2012	Software Engineering (1,854)	2
García, E., Sicilia, M.A., Sánchez-Alonso, S. (2012) Computing with competencies: modelling organizational capacities. <i>Expert Systems with Applications</i> , 39(16), 12310-12318. <a href="http://dx.doi.org/10.1016/j.eswa.2012.02.194">http://dx.doi.org/10.1016/j.eswa.2012.02.194</a>	ISI JCR Science Edition 2012	Software Engineering (1,854)	2
Lezcano, L., García, E. Sicilia, M.A. (2012) Bridging informal tagging and formal semantics via hybrid navigation. <i>Journal of Information Science</i> 38(2) 140–155. <a href="http://dx.doi.org/10.1177/0165551511435882">http://dx.doi.org/10.1177/0165551511435882</a>	ISI JCR Science Edition 2012	Information Systems (1.238)	2
García, E., Sicilia, M.A., Sánchez, S. (2012) Social network-aware interfaces as facilitators of innovation <i>Journal of Computer Science and Technology</i> , 27(6), 1211-1221. <a href="http://dx.doi.org/10.1007/s11390-012-1297-x">http://dx.doi.org/10.1007/s11390-012-1297-x</a>	ISI JCR Science Edition 2012	Software Engineering (0.477)	4
Joerg, B., Ruiz-Rube, I., Sicilia, M.A., Dvořák, J., Jeffery, K., Hoellrigl, T., Rasmussen, H.A., Engfer, A., Vestdam, T., García, E. (2012) Connecting closed world research information systems through the linked open data web. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 22(3), 345-364. <a href="http://dx.doi.org/10.1142/S0218194012400074">http://dx.doi.org/10.1142/S0218194012400074</a>	ISI JCR Science Edition 2012	Artificial Intelligence (0,295)	4
Garre, M., García, E., Siakas, K., Sicilia, M.A., Koinig, S., Messnarz, R., Clarke, A. (2012) Analyzing the Corporate Responsibility Web Pages of Consumer Electronics Companies: implications for process improvement <i>IET Software</i> 6(5), 451-460. <a href="http://dx.doi.org/10.1049/iet-sen.2011.0207">http://dx.doi.org/10.1049/iet-sen.2011.0207</a>	ISI JCR Science Edition 2012	Software Engineering (0.658)	3

García-Barriocanal, E., Sicilia, M.A., Sánchez-Alonso, S. (2013). Providing semantic metadata to on-line learning resources on sustainable agriculture and farming: combining values and technical knowledge. <i>Interactive Learning Environments</i> 21(3), 301-318. Publicado primero online nov 2011 <a href="https://doi.org/10.1080/10494820.2011.559170">https://doi.org/10.1080/10494820.2011.559170</a>	ISI JCR Social Science 2011	Education and Ed. Research (1.163)	1
Cechinel, C., Sanchez, S., García, E., Sicilia, M.A. (2013) Evaluating Collaborative Filtering Recommendations inside Large Learning Object Repositories. <i>Information Processing &amp; Management</i> 49(1), 34-50. <a href="http://dx.doi.org/10.1016/j.ipm.2012.07.004">http://dx.doi.org/10.1016/j.ipm.2012.07.004</a>	ISI JCR Science Edition 2013	Information Systems (1.069)	3
Lezcano, L., Santos, L., García, E. (2013) Semantic integration of sensor data and disaster management systems - The Emergency Archetype approach. <i>International Journal of Distributed Sensor Networks</i> , 9(5), 1-11. <a href="http://dx.doi.org/10.1155/2013/424821">http://dx.doi.org/10.1155/2013/424821</a>	ISI JCR Science Edition 2013	Telecommunications (0.923)	3
Messnarz, R., Sicilia, M.A. Biro, M., García-Barriocanal, E., Garre-Rubio, M., Siakas, K., Clarke, A. (2013) Social responsibility aspects supporting the success of SPI. <i>Journal Of Software Maintenance And Evolution-Research And Practice</i> , 26(3), 284-294 <a href="http://dx.doi.org/10.1002/smr.1586">http://dx.doi.org/10.1002/smr.1586</a>	ISI JCR Science Edition 2013	Software Engineering (1.320)	2
Rius, A., Conesa, J., García, E. Sicilia, M.A. (2013) Specifying Patterns of Educational Settings by means of Ontologies. <i>Journal of Universal Computer Science</i> , 19(3), 353-382. <a href="http://dx.doi.org/10.3217/jucs-019-03-0353">http://dx.doi.org/10.3217/jucs-019-03-0353</a>	ISI JCR Science Edition 2013	Software Engineering (0.401)	4
Rius, A., Conesa, J., García, E. Sicilia, M.A (2014) Automating educational processes implementation by means of an ontological framework. <i>Computer Standards &amp; Interfaces</i> , 36(2), 335-348. <a href="http://dx.doi.org/10.1016/j.csi.2013.08.003">http://dx.doi.org/10.1016/j.csi.2013.08.003</a>	ISI JCR Science Edition 2014	Software Engineering (0,879)	3
Valiente, M.A., Sicilia, M.A., Garcia-Barriocanal, E., Rajabi, E. (2015) Adopting the metadata approach to improve the search and analysis of educational resources for online learning. <i>Computers in Human Behavior</i> , 51, 1134-1141	ISI JCR Social Science Edition 2015	Social Science: Multidisciplinary (2.880)	1
Martin, D., Sanchez, S., Sicilia, M.A., García, E. (2015) Evaluating the degree of domain specificity of terms in large terminologies: the case of AGROVOC. <i>Online Information review</i> , 39(3), 326 – 345. <a href="http://dx.doi.org/10.1108/OIR-02-2015-0052">http://dx.doi.org/10.1108/OIR-02-2015-0052</a>	SI JCR Science Edition 2015	Information Systems (1.152)	3
Martin, D., Sanchez, S., Sicilia, M.A., García, E. (2015) Evaluating the practical applicability of thesaurus-based keyphrase extraction in the agricultural domain: A pilot exploratory study in the VOA3R Project. <i>Knowledge Organization</i> , 42(2), 76-89	ISI JCR Social Science Edition 2016	Social Science: Information Science & Library Science (0.522)	3
Nogales, A., Sicilia, M.A., García E., Sánchez, S. (2016) Linking from Schema.org microdata to the Web of Linked Data: an empirical assessment. <i>Computer Standards &amp; Interfaces</i> , 45, 90-99. <a href="http://dx.doi.org/10.1016/j.csi.2015.12.003">http://dx.doi.org/10.1016/j.csi.2015.12.003</a>	ISI JCR Science Edition 2016	Software Engineering (1.366)	2
Nogales, A., Sicilia, M. A., García-Barriocanal, E. (2017) Measuring vocabulary use in the Linked Data Cloud. <i>Online Information Review</i> 41(2), 252-271. <a href="https://doi.org/10.1108/OIR-06-2015-0183">https://doi.org/10.1108/OIR-06-2015-0183</a>	ISI JCR Science Edition 2016	Information Systems (1.534)	3
Rius, A., Conesa, J., García-Barriocanal, E., Sicilia, M.A. (2017) An ontology-driven framework for specifying, adapting and implementing educational settings. <i>Applied Ontology</i> ,12(1), 33-58. <a href="https://doi.org/10.3233/AO-170176">https://doi.org/10.3233/AO-170176</a>	ISI JCR Science Edition 2016	Artificial Intelligence (1.296)	3
Martin, D., García, E., Sicilia, M-A, Stracke, C. M. (2017). Evaluating the concept specialization distance from an end-user perspective: The case of AGROVOC. <i>Online Information Review</i> , 41(6), 860-876. <a href="https://doi.org/10.1108/OIR-03-2016-0094">https://doi.org/10.1108/OIR-03-2016-0094</a>	ISI JCR Science Edition 2016	Information Systems (0.918)	3
Samaras, L., García, E., Sicilia, M.A. (2017) Syndromic Surveillance Models Using Web Data: The Case of Influenza in Greece and Italy Using Google Trends. <i>Journal of Medical Internet Research (Public Health Surveillance)</i> 3(4). <a href="http://dx.doi.org/10.2196/publichealth.8015">http://dx.doi.org/10.2196/publichealth.8015</a>	ISI JCR Science Edition 2016	Medical Informatics (5.175)	1
Nogales, A. Sicilia, M.A., Garcia, E. (2018) On the graph structure of the Web of Linked Data. <i>International Journal on Semantic Web and Information Systems</i> , 14(2), 70-85. <a href="http://dx.doi.org/10.4018/IJSWIS.2018040104">http://dx.doi.org/10.4018/IJSWIS.2018040104</a>	ISI JCR Science Edition 2018	Artificial Intelligence (1.833)	3
Santos, L., Sicilia, M.A., García, E. (2019) Ontology-Based Modeling of Effect-Based Knowledge in Disaster Response. <i>International Journal on Semantic Web and Information Systems</i> , 15(1), 102-118 <a href="https://doi.org/10.4018/IJSWIS.2019010105">https://doi.org/10.4018/IJSWIS.2019010105</a> .	ISI JCR Science Edition 2019	Artificial Intelligence (1,742)	3
Mora, M., Sanchez, S. García, E. (2019) A systematic literature review on Wikidata. <i>Data Technologies and Applications</i> , 53(3), 250-268. <a href="https://doi.org/10.1108/DTA-12-2018-0110">https://doi.org/10.1108/DTA-12-2018-0110</a> .	ISI JCR Science Edition 2019	Information systems (0,704)	4
Mora, M., Sicilia, M.A., García, E., Sanchez, S.(2020) Evolution and prospects of the Comprehensive R Archive Network (CRAN) package ecosystem. <i>Journal of Software: Evolution and Process</i> . DOI: 10.1002/smr.2270	ISI JCR Science Edition 2020	Software Engineering (1,972)	3
Samaras, L., García, E., Sicilia, M.A. (2020) Comparing Social media and Google to detect and predict severe epidemics. <i>Scientific Reports</i> , 10(4747). <a href="https://doi.org/10.1038/s41598-020-61686-9">https://doi.org/10.1038/s41598-020-61686-9</a>	ISI JCR Science Edition 2020	Multidisciplinary Science (4.379)	1
Mora, M. Sánchez, S., García, E., Sicilia, M.A. (2020) Authority-based flexible conversation tracking in Twitter: an unattended methodological approach. <i>Applied Sciences</i> 10(9), 3273. <a href="https://doi.org/10.3390/app10093273">https://doi.org/10.3390/app10093273</a>	ISI JCR Science Edition 2020	Multidisciplinary Science (2.679)	2

Mora, M., Sicilia, M.A., García, E., Sanchez, S. (2020) A complex network analysis of the Comprehensive R Archive Network (CRAN) package ecosystem. Journal of Systems and Software, 170, 110744. <a href="https://doi.org/10.1016/j.jss.2020.110744">https://doi.org/10.1016/j.jss.2020.110744</a>	ISI JCR Science Edition 2020	Theory & methods (2.829)	1
Samaras, L., Sicilia, MA. & García-Barriocanal, E. (2021) Predicting epidemics using search engine data: a comparative study on measles in the largest countries of Europe BMC Public Health 21, 100 (2021). <a href="https://doi.org/10.1186/s12889-020-10106-8">https://doi.org/10.1186/s12889-020-10106-8</a>	ISI JCR Science Edition 2021	Public, environmental & occupational health (4,135)	2
Puentes, J., Sanchez, S., Sicilia, MA, García, E. (2021) Predicting length of stay across hospital departments. IEEE Access, 9, 44671-44680. <a href="https://doi.org/10.1109/ACCESS.2021.3066562">https://doi.org/10.1109/ACCESS.2021.3066562</a>	ISI JCR Science Edition 2021	Information systems (3.476)	2
MA Sicilia, E García-Barriocanal, M Mora-Cantalops, S Sanchez-Alonso (2021) Modeling Bacterial Species: Using Sequence Similarity with Clustering Techniques. Computers Materials & Continua 68 (2), 1661-1672 <a href="https://doi.org/10.32604/cmc.2021.015874">https://doi.org/10.32604/cmc.2021.015874</a>	ISI JCR Science Edition 2021	Information systems (3.860)	2
Beristain, S, Barbosa, R., García, E. (2022) Improving jobs-resumes classification: A labor Market Intelligence Approach. International Journal of Information Technology & Decision Making, pp. 1-17 <a href="https://doi.org/10.1142/S0219622023500013">https://doi.org/10.1142/S0219622023500013</a>	ISI JCR Science Edition 2022	Artificial intelligence (3.508)	2
Iglesias, P., Sicilia, M.A., García, E. (2023) Detecting Browser Drive-By Exploits in Images Using Deep Learning. Electronics 12(3), 473 <a href="https://doi.org/10.3390/electronics12030473">https://doi.org/10.3390/electronics12030473</a>	ISI JCR Science Edition 2023	Information systems (2,6)	2
Samaras, L., Sicilia, M.A., García E. (2023) Sentiment analysis of COVID-19 cases in Greece using Twitter data. Expert Systems with applications, 230 (120577) <a href="https://doi.org/10.1016/j.eswa.2023.120577">https://doi.org/10.1016/j.eswa.2023.120577</a>	ISI JCR Science Edition 2023	Artificial intelligence (7.5)	1
Mora-Cantalops, M., García-Barriocanal, E., Sicilia, M.A. (2024) Trustworthy AI Guidelines in Biomedical Decision-Making Applications: A Scoping Review. Big Data and Cognitive Computing 8(7), 73; <a href="https://doi.org/10.3390/bdcc8070073">https://doi.org/10.3390/bdcc8070073</a>	ISI JCR Science Edition 2023	Artificial intelligence (3.7)	2

### Listado de proyectos de financiación pública competitiva como investigadora principal

Nombre	Referencia	Cuantía subvención	Duración
MARIA: Medición y Análisis de Recursos para el acceso a la Información y el Aprendizaje	CAM+ UAH (CCG08-UAH/TIC4178)	17.400,00 €	2009
INTEGRA: Fusión y explotación de datos para el control de fronteras no vigiladas	CDTI (CENIT-2008: 1018)	540.033,08 €	2008-2011
eCultura: Desarrollo de una Plataforma Semántica para la Preservación y Explotación de Contenido Cultural	PROFIT Ministerio de Industria (TSI020501-2008-53)	129.887,00 €	2008-2010
SOCIRES: Development of Social Responsibility Training and Certification	EUROPEAN UNION (510098-2010-LLPSI-LEONARDOLMP)	49.285,00 €	2011-2013
VOA <sup>3</sup> Rr: Virtual Open Access Agriculture & Aquaculture Repository: Sharing Scientific and Scholarly Research related to Agriculture, Food, and Environment	European Union (CIP-ICTPSP.2009.2.4: 250525 - VOA3R)	400.000,00 €	01/06/2010 31/05/2013
Organic.Balkanet: Developing the skills of Organic agricultural for the Balkans	European Union (2009-1-RO1LEO05-03584/LLP-LdV-TOI-2009-RO008)	59.162,00 €	10/12/2009 09/12/2011
agINFRA: A data infrastructure to support agricultural scientific communities Promoting data sharing and development of trust in agricultural sciences	European Union (FP7-2011-2283770)	610.000,00 €	01/10/2011 30/09/2014
HEDECAMA: Modelo semántico y algoritmos de Data Mining aplicados al tratamiento del Cáncer de Mama en centros de Atención Especializada	Ministerio de Ciencia e Innovación (IPT2011-1126-900000)	98.135,00 €	01/10/2011 31/03/2014
SLROUTE (Spanish Language Route): Plataforma tecnológica de gestión, soporte y administración de contenidos digitales focalizados a videojuegos educativos tipos NMOG	Ministerio de Industria, Turismo y Comercio (TSI090302-2011-22)	90.062,00 €	01/10/2011 31/03/2014
SemAGROW: Data Intensive Techniques to Boost the Real-Time Performance of Global Agricultural Data Infrastructures	European Union (FP7-318497)	462.981,00 €	01/11/2012 01/11/2015
GET (Got Energy Talent): Attracting Talented Researchers within the Spanish Campus of International Excellence Smart Energy and the region of Madrid	European Union MSCA-COFUND (H2020-2016-MSCA-COFUND-754382)	4.814.400,00 €	01/09/2017 31/08/2023
ALIMENTE21: Industria alimentaria inteligente del siglo XXI	CDTI, Misiones Ciencia e Innovación 2021 (MIG-20211054)	193.600,00 €	14/12/2021 14/02/2025

## Listado de contratos como investigadora principal

Nombre	Empresa	Cuantía subvención	Duración
Diseño plataforma de intercambio de información de sistemas de Historia Clínica Electrónica	Alamo Consulting en convocatoria pública PIE de la CAM	56.000,00 €	2009-2010
eAvatar: Búsqueda semántica y análisis del lenguaje natural	Mnemon Consultores	15.000,00 €	26/7/2010 25/7/2011
Desarrollo de un entorno de interoperabilidad semántica para el mando y control militar	Instituto Tecnológico Militar de la Marañosa	32.220,00 €	01/12/2012 30/3/2014
Creación del modelo de expresión de necesidades del proyecto atas (adquisición de talento mediante objetos de aprendizaje semánticos)	XIMDEX	3.630,00 €	11/03/2015 10/12/2015
Mailtrack: intelligent mail delivery	Mailtrack	48.400,00 €	01/12/2014 30/11/2017
Búsqueda semántica y análisis del lenguaje natural	Inneria	17.700,00 €	28/07/2010 27/04/2011

## 2. MÉRITOS DE DOCENCIA

- Investigadora principal del Proyecto Erasmus+, KA3 Initiatives for policy innovation “PBL3.0: Integrating Learning Analytics and Semantics in Problem Based Learning”. Sept 2016- Agos 2018 (79.584,0 €)
- Investigadora principal del Proyecto Erasmus+, Knowledge Alliances “SME ClusterGrowth”. Ene 2021- Dic 2023 (84.500,0 €)
- Investigadora de los proyectos Erasmus+, KA2:
  - “Digital Skills Accelerator” (Miguel A. Sicilia, IP). 2017-2019
  - “Heal+: Master in Health Informatics” (Salvador Sánchez, IP). 2016-2018
  - “Data Set – Data skills for business” (Miguel A. Sicilia, IP) 2018-2020
  - “Digital Wellbeing educators” (Miguel A. Sicilia, IP) 2018-2020
  - “BEGIN - Blockchain Enabling Growth in New Enterprises” (Miguel A. Sicilia, IP) 2020-2022
  - “TrustAI - Trustworthy AI” (Marçal Mora, IP) 2020-2022
- Evaluación docente *Muy Favorable* en programa DOCENTIA (2011/12 – 2014/15) y (2015/16-2019-20)

## 3. MÉRITOS DE GESTIÓN ACADÉMICA

- Cargos unipersonales de gestión:
  - 11/2008 – 10/2016: Secretaria del departamento de Ciencias de la Computación
  - 11/2016 – 12/2017: Subdirectora del departamento de Ciencias de la Computación
  - 02/2015 – 03/2022: Directora académica de la Oficina de Proyectos Europeos, Vicerrectorado de Investigación y Transferencia
- Coordinación académica:
  - 2022/23: Coordinadora del grado de Ingeniería Informática y del doble grado de Ingeniería informática y ADE.
  - 2017/18 – 2019/20: Directora del M.U. Analítica del Negocio y Grandes Volúmenes de Datos.
  - 2014/15: Coordinadora del programa de doctorado Ingeniería de la Información y del Conocimiento.
- Coordinación en investigación:
  - 2010 - : Journal on Information Science and Engineering (factor de impacto: 0.541)
  - 2013 - : Journal of Universal Computer Science (factor de impacto: 0. 701)
  - 2007 - 2021: Coordinación del grupo de investigación Information Engineering Research Group