CVN CURRÍCULUM VÍTAE NORMALIZADO

Mariano Rico Almodóvar

GOBIERNO DE ESPAÑA
MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD

FECYT
FUNDACIÓN ESPAÑOLA PARA LA CIENCIA Y LA TECNOLOGÍA

Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

Professional biography

Mariano Rico is a Postdoctoral Researcher (funded by National Spanish Research Ministry under Juan de la Cierva Programme) at the Ontology Engineering Group (OEG) in the Artificial Intelligence Department (DIA) at Universidad Politécnica de Madrid (UPM), Spain.

He was also Honorary Professor at the Computer Science and Engineering Department (EPS) of the Autonomous University of Madrid (UAM).

During 2010-2013 he was a postdoctoral Teaching Assistant at EPS-UAM in the GHIA Research Group. In 2010 he was a postdoc researcher at EPS-UAM and Associate professor at the Telematic Engineering Department in the Universidad Carlos III de Madrid (UC3M). From 2003 to 2009 he was a teaching assistant at the EPS-UAM.

Mariano holds a MSc. in Physics Sciences (1992) (Fundamental Physics specialist), MSc. (Advanced Studies Diploma) in Computer Science and Telecommunication (2004) and a PhD. in Computer Science and Telecommunicaction (2009) by Universidad Autónoma de Madrid (UAM). He is **accredited** as Associate Professor since January 2010 and as **Lecturer** since September 2012 by the spanish quality agency ANECA (a full member of European Association for Quality Assurance in Higher Education).

His research activities are focused on Semantic Web and Linked Data, but he is also interested in Natural Language, Virtual Worlds, Human-Computer Interaction and Web Technologies.

From 1992 to 2003 he worked in private R&D centers as Software Engineer, Software Architect and Project Manager in different research and applied fields related to new technologies.

He had two predoctoral stays at Digital Enterprise Research Institute (DERI) in 2004 and 2005, in which he was also Erasmus Teacher at the National University of Ireland, Galway (NUIG).

In 2011 he had a short stay at the Web-based Systems Group, Freie Universitat (FU) at Berlin (Germany). From 2013 he also is related to the AKSW Research Group (Leipzig University, Germany) for his involvement as head of the DBpedia Spanish chapter. From 2014 he is related to the Semantic Computing Group (univ. Bielefeld, Germany), with activities related to Linguistics and Linked Data.

Main scientific and technological achievements

During his period in private companies (1993-2003) he worked in Human-Computer Interaction, Multiplatform User Interfaces and Advanced Web Technologies. In the pre-doctoral period (2003-2009) he was focused on Semantic Web. Currently, in his first post-doctoral period (2009-2014) he combined his main line in Semantic Web and Linked Data with a research line based on non-immersive virtual worlds. From 2014 I also works with Natural

Language applied to Linked Data, specifically, ontology lexicalization and software systems aimed at creating guided pseudo-natural language queries.

Line of research goals (in the medium- and long-term)

His current 3 year contract is focused on Natural Language and Linked Data, specifically, creation of ontology lexicalizations and software systems aimed at creating guided pseudo-natural language queries.

A detailed description can be found at http://sites.google.com/site/marianorico/welcome/research

His publications can be found here:

- ISI-WOS Researcher ID: http://www.researcherid.com/rid/A-5566-2008
- ORCID profile: http://orcid.org/0000-0001-5878-8521
- Google Scholar profile: http://scholar.google.com/citations?user=hI5WPQEAAAAJ
- ResearchGate profile: https://www.researchgate.net/profile/Mariano_Rico

General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

Datos de ISI-WOS (ver http://www.researcherid.com/rid/A-5566-2008):
 - Índice H: 4
 - Número de publicaciones: 16
 - Número de citas: 39
Datos de Google Scholar (ver https://scholar.google.com/citations?user=hl5WPQEAAAAJ):
 - Índice H: 8
 - Número de citas: 279

Número de artículos como **primer autor** en **Q1**: 2
Número de artículos como **primer autor** en **Q2**: 1
Número de artículos como **primer autor** en **Q3**: 2
Número de artículos como **primer autor** en **Q4**: 1

Acreditaciones
============

ANECA: Titular de Universidad (septiembre 2012).
        Profesor Titular de Universidad y todas las categorías inferiores

ACAP: Contratado Doctor (enero 2010).
        Ayudante Doctor y Doctor Universidad Privada (octubre 2009)

Mariano Rico Almodóvar

Surname(s):	**Rico Almodóvar**
Name:	**Mariano**
DNI:	**51665411M**
ScopusID:	**22433515100**
ResearcherID:	**A-5566-2008**
ORCID:	**0000-0001-5878-8521**
Date of birth:	**12/02/1967**
Gender:	**Male**
Nationality:	**Spain**
Country of birth:	**Spain**
Aut. region/reg. of birth:	**Community of Madrid**
Contact province:	**Madrid**
City of birth:	**Madrid**
Contact address:	**Plaza de tres Olivos 16**
Rest of contact address:	**5B**
Postcode:	**28034**
Contact country:	**Spain**
Contact aut. region/reg.:	**Community of Madrid**
Contact city:	**Madrid**
Land line phone:	**(91) 914977502**
Email:	**mariano.rico@gmail.com**
Mobile phone:	**(0034) 625712278**
Personal web page:	**http://sites.google.com/site/marianorico**

Current professional situation

Employing entity: Universidad Politécnica de Madrid   **Type of entity:** University

Department: Inteligencia Artificial, Escuela Técnica Superior de Ingenieros Informáticos

Professional category: Contratado Juan de la Cierva

Start date: 01/12/2013

Type of contract: Temporary employment contract

Primary (UNESCO code): 330400 - Computer technology

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad Autónoma de Madrid	Profesor honorario	01/09/2013
2	Universidad Autónoma de Madrid	Ayudante doctor	16/09/2010
3	Universidad Autónoma de Madrid	Creator and person responsible for EPS-UAM channel in YouTube	2007
4	Universidad Politécnica de Madrid	Contratado Investigador	19/04/2010
5	Universidad Carlos III de Madrid	Profesor Asociado	25/01/2010
6	Universidad Autónoma de Madrid	Contratado Investigador	21/04/2009

	Employing entity	Professional category	Start date
7	Universidad Autónoma de Madrid	Profesor Ayudante	01/06/2003
8	Universidad Autónoma de Madrid	Coordinador Erasmus	10/2003
9	Grupo Apex S.A. para Telefónica I+D	Jefe de Proyectos TIC	18/09/1998
10	Grupo Apex S.A. para Telefónica I+D	Ingeniero Informático	01/06/1995
11	Instituto de Ingeniería del Conocimiento (IIC)	Ingeniero del conocimiento	01/01/1995
12	Instituto de Ingeniería del Conocimiento (IIC)	Beca de doctorado	01/01/1994

1 **Employing entity:** Universidad Autónoma de Madrid   **Type of entity:** University
Professional category: Profesor honorario
Start-End date: 01/09/2013 - 31/08/2014   **Duration:** 1 year

2 **Employing entity:** Universidad Autónoma de Madrid   **Type of entity:** University
Professional category: Ayudante doctor
Start-End date: 16/09/2010 - 15/09/2013   **Duration:** 3 years

3 **Employing entity:** Universidad Autónoma de Madrid   **Type of entity:** University
Department: Escuela Politécnica Superior de la Universidad Autónoma de Madrid
Professional category: Creator and person responsible for EPS-UAM channel in YouTube
Start-End date: 2007 - 2012   **Duration:** 5 years
Performed tasks: Creation, maintenance, and visitors analysis of EPS-UAM YouTube channel.
Field of management activity: University

4 **Employing entity:** Universidad Politécnica de Madrid
Professional category: Contratado Investigador
Start-End date: 19/04/2010 - 09/09/2010

5 **Employing entity:** Universidad Carlos III de Madrid
Professional category: Profesor Asociado
Start-End date: 25/01/2010 - 30/06/2010

6 **Employing entity:** Universidad Autónoma de Madrid
Professional category: Contratado Investigador
Start-End date: 21/04/2009 - 18/04/2010

7 **Employing entity:** Universidad Autónoma de Madrid
Professional category: Profesor Ayudante
Start-End date: 01/06/2003 - 20/04/2009

8 **Employing entity:** Universidad Autónoma de Madrid   **Type of entity:** University
Department: Escuela Politécnica Superior de la Universidad Autónoma de Madrid
Professional category: Coordinador Erasmus
Start-End date: 10/2003 - 10/2008   **Duration:** 5 years

Performed tasks: Coordination of ~30 EPS-UAM students and around 20 EU (non UAM) students. Interviews with students, problem solving, remote exams for students abroad, syncronization of exams, subjects convalidation issues.
Field of management activity: University

9 **Employing entity:** Grupo Apex S.A. para Telefónica I+D
   Professional category: Jefe de Proyectos TIC
   Start-End date: 18/09/1998 - 01/03/2003

10 **Employing entity:** Grupo Apex S.A. para Telefónica I+D
   Professional category: Ingeniero Informático
   Start-End date: 01/06/1995 - 17/09/1998

11 **Employing entity:** Instituto de Ingeniería del Conocimiento (IIC)
   Professional category: Ingeniero del conocimiento
   Start-End date: 01/01/1995 - 01/06/1995

12 **Employing entity:** Instituto de Ingeniería del Conocimiento (IIC)
   Professional category: Beca de doctorado
   Start-End date: 01/01/1994 - 01/01/1995

Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

1   **University degree:** Diploma de Estudios Avanzados
Name of qualification: Diploma de estudios avanzados
Degree awarding entity: Universidad Autónoma de Madrid   **Type of entity:** University
Date of qualification: 27/09/2004

2   **University degree:** Higher degree
Name of qualification: Licenciado en CC. Físicas
Degree awarding entity: Universidad Autónoma de Madrid   **Type of entity:** University
Date of qualification: 25/02/1992

Doctorates

Doctorate programme: Ingeniería Informática y Telecomunicación
Degree awarding entity: Universidad Autónoma de Madrid
Date of degree: 12/06/2009

Attended advanced, improvement and innovative teacher training and new technology courses and seminars focused on improving teaching

1   **Title of course/seminar:** Acreditación del profesorado: programa ACADEMIA para la acreditación nacional
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Faculty, institute or centre: Unidad Central de Formación Docente
Duration in hours: 15 hours
Start date: 2011

2   **Title of course/seminar:** Moodle para la docencia (Nivel II)
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Faculty, institute or centre: Unidad Central de Formación Docente
Duration in hours: 3 hours
Start date: 2011

3   **Title of course/seminar:** Características psicométricas a tener en cuenta en la preparación de un examen
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior
Duration in hours: 2 hours
Start date: 2009

4   **Title of course/seminar:** Estudio psicométrico de un examen de opción múltiple
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior
Duration in hours: 2 hours
Start date: 2009

5   **Title of course/seminar:** Gestión de Proyectos Multinacionales
Goals of the course/seminar: Dotar a investigadores y responsables de gestión de proyectos de instituciones públicas y privadas, de los conocimientos y habilidades técnicas, que les permitan afrontar con garantías la ejecución y finalización satisfactoria de los mismos.
Organising entity: Madri+d
Duration in hours: 13 hours
Start date: 2008
Target group profile: 1) Management Course Students of Science and Technology, part of the Training Programme madrid R+D 2) Researchers, doctors, managers and professionals of R + D + I
Provable tasks: Content extracted form http://www.madrimasd.org/formacion/anios-anteriores/2008/pdf/gestionDeCienciaYTecnologia/gestionDeProyectosMultinacionales.pdf 1. Institutional architecture, budgets, committee structure and policies of R + D + i 2. Seventh Framework Programme 3. Multinational Projects: Preparation and submission of proposals for Framework Programme 4. European Project Management from the perspective of a researcher 5. Experience of Telefónica R+D in International Projects 6. Other EU multinational projects 7. IBEROEKA projects. International Projects with Latin America

6   **Title of course/seminar:** La necesidad multiagente en sistemas de interacción natural
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior
Duration in hours: 2 hours
Start date: 2007

7   **Title of course/seminar:** La comunicación y el arte de hablar en público
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Faculty, institute or centre: Unidad Central de Formación Docente
Duration in hours: 9 hours
Start date: 2006

8   **Title of course/seminar:** ¿Sigue teniendo sentido que haya profesor?
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Faculty, institute or centre: Unidad Central de Formación Docente
Duration in hours: 2 hours
Start date: 2006

9   **Title of course/seminar:** Campus Excelencia 2005
Goals of the course/seminar: " to make relevant personalities in the fields of Science, Economy, Culture and World Politics, get into contact with recent postgraduates in a relaxed atmosphere where students can meet experts who will help them to guide their future"
City organizing entity: Canary Islands, Spain
Organising entity: Universidad de las Palmas de Gran Canaria   **Type of entity:** University
Duration in hours: 40 hours
Start date: 2005
Target group profile: Extract from http://www.campusdeexcelencia.info/campus-de-excelencia.html?lan=EN "Vitala Fundation together with the University of Las Palmas de Gran Canaria have organized, for the first time in Spain, an initiative: the Project Campus of Excellence, which will be held during the month of June 2005 in the

Canaries, and where the best 100 postgraduates of this country will congregate together with a group of scientifics, researchers, professionals, Nobel Price winners and other distinguished members of the International Scientific Society."

Provable tasks: Extract from http://www.campusdeexcelencia.info/index.php "The object of this Campus is to make relevant personalities in the fields of Science, Economy, Culture and World Politics, get into contact with recent postgraduates in a relaxed atmosphere where students can meet experts who will help them to guide their future. Furthermore, the sponsoring companies will have the unique opportunity of meeting brilliant newly postgraduates which can be included in their future plans of expansion."

Aims of the stay: Doctorate

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	C2	C2	C2	C2	C2

Teaching experience

General teaching experience

1 **Name of the course:** Dirección y gestión de proyectos científicos y tecnológicos
Professional category: Profesor Ayudante Doctor
Type of programme: Master's degree   **Type of teaching:** In person theory
Type of subject: Core
University degree: Máster Universitario en Investigación e Innovación en Tecnologías de la Información y las Comunicaciones (I2-TIC)
Frequency of the activity: 1
Start date: 01/09/2012   **End date:** 01/09/2013
End date: 01/09/2012   **Type of hours/ ECTS credits:** Credits
Hours/ECTS credits: 23
Entity: Universidad Autónoma de Madrid   **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior
Department: Ingeniería Informática

2 **Name of the course:** Autómatas y Lenguajes
Professional category: Profesor Ayudante Doctor
Type of programme: Engineering   **Type of teaching:** Laboratory work
Type of subject: Core
University degree: Grado en Ingeniería Informática
Course given: tercero   **Frequency of the activity:** 2
Start date: 01/09/2011   **End date:** 01/09/2013
End date: 01/09/2012   **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 30
Entity: Universidad Autónoma de Madrid   **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior
Department: Ingeniería Informática

3 **Name of the course:** Autómatas y Lenguajes
Professional category: Profesor Ayudante Doctor
Type of programme: Engineering **Type of teaching:** In person theory
Type of subject: Core
University degree: Grado en Ingeniería Informática
Course given: tercero **Frequency of the activity:** 2
Start date: 01/09/2011 **End date:** 01/09/2013
End date: 01/09/2012 **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 45
Entity: Universidad Autónoma de Madrid **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior
Department: Ingeniería Informática

4 **Name of the course:** Informática y Sociedad
Professional category: Profesor Ayudante Doctor
Type of programme: Engineering **Type of teaching:** In person theory
Type of subject: Core
University degree: Grado en Ingeniería Informática
Course given: segundo **Frequency of the activity:** 3
Start date: 01/09/2010 **End date:** 01/09/2013
End date: 01/09/2012 **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 45
Entity: Universidad Autónoma de Madrid **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior
Department: Ingeniería Informática

5 **Name of the course:** Procesadores de Lenguaje
Professional category: Profesor Ayudante Doctor
Type of programme: Engineering **Type of teaching:** In person theory
Type of subject: Core
University degree: Ingeniería Informática
Course given: tercero **Frequency of the activity:** 1
Start date: 01/09/2010 **End date:** 01/09/2011
End date: 01/09/2010 **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 90
Entity: Universidad Autónoma de Madrid **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior
Department: Ingeniería Informática

6 **Name of the course:** Sistemas Operativos II
Professional category: Profesor Ayudante
Type of programme: Engineering **Type of teaching:** Laboratory work
Type of subject: Optional
University degree: Ingeniería Informática
Course given: segundo **Frequency of the activity:** 4
Start date: 01/09/2003 **End date:** 01/09/2011
End date: 01/09/2010 **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 60
Entity: Universidad Autónoma de Madrid **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior
Department: Ingeniería Informática

7 **Name of the course:** Sistemas Operativos II
Professional category: Profesor Ayudante
Type of programme: Engineering   **Type of teaching:** Laboratory work
Type of subject: Optional
University degree: Ingeniería Informática
Course given: segundo   **Frequency of the activity:** 4
Start date: 01/09/2003   **End date:** 01/09/2011
End date: 01/09/2010   **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 60
Entity: Universidad Autónoma de Madrid   **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior
Department: Ingeniería Informática

8 **Name of the course:** Computer Fundamentals
Professional category: Profesor Asociado
Type of programme: Engineering   **Type of teaching:** In person theory
Type of subject: Core
University degree: Ingeniería de Telecomunicación
Course given: segundo   **Frequency of the activity:** 1
Start date: 01/09/2009   **End date:** 01/09/2010
End date: 01/09/2009   **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 30
Entity: Universidad Carlos III de Madrid   **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior
Department: Ingeniería Telemática
Subject language: English

9 **Name of the course:** Programación Orientada a Objetos
Professional category: Profesor Ayudante
Type of programme: Engineering   **Type of teaching:** Laboratory work
Type of subject: Optional
University degree: Ingeniería Informática
Course given: segundo   **Frequency of the activity:** 4
Start date: 01/09/2004   **End date:** 01/09/2008
End date: 01/09/2007   **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 60
Entity: Universidad Autónoma de Madrid   **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior
Department: Ingeniería Informática

10 **Name of the course:** Estructura de Datos y de la Información I
Professional category: Profesor Ayudante
Type of programme: Engineering   **Type of teaching:** Laboratory work
Type of subject: Core
University degree: Ingeniería Informática
Course given: primero   **Frequency of the activity:** 2
Start date: 01/09/2005   **End date:** 01/09/2007
End date: 01/09/2006   **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 60
Entity: Universidad Autónoma de Madrid   **Type of entity:** University

Faculty, institute or centre: Escuela Politécnica Superior
Department: Ingeniería Informática

11 **Name of the course:** Next Generation Web tecnologies
Professional category: Teaching Assistant
Type of programme: Engineering   **Type of teaching:** Laboratory work
Type of subject: Core
University degree: Computer Engineering
Course given: primero   **Frequency of the activity:** 2
Start date: 01/09/2004   **End date:** 01/09/2006
End date: 01/09/2005   **Type of hours/ ECTS credits:** Hours
Hours/ECTS credits: 30
Entity: National University of Ireland, Galway   **Type of entity:** University
Faculty, institute or centre: Computer Science Department
Subject language: English

Experience supervising doctoral thesis and/or final year projects

1 **Project title:** Aplicación de Tecnologías Open Data a los datos académicos de los docentes e investigadores de la EPS-UAM
Type of project: Tutor de máster
Entity: Universidad Autónoma de Madrid   **Type of entity:** University
Student: Freddy Tapia
Date of reading: 2013

2 **Project title:** Diseño e Implementación de un Laboratorio Virtual de Control de Riegos
Type of project: Trabajo de fin de máster (Máster Superior en Software y Sistemas)
Co-director of thesis: Jaime Ramírez Rodríguez
Entity: Universidad Politécnica de Madrid   **Type of entity:** University
Student: Carlos Gustavo Mendoza Garófago
Obtained qualification: 10.0
Identify key words: Computer system; Computer applications; Virtual reality
Date of reading: 06/2012

Teaching experience in courses and seminars for university teacher training

1 **Type of event:** Seminar
Name of the event: UCF Central- Eficiencia en la creación de documentos científicos (parte I)
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course: Veáse
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=593
Target group profile: Formación Inicial (Doctores no permanentes)
Hours of teaching: 6
Teaching date: 2013
Type of participation: Participatory - oral communication

2 **Type of event:** Seminar
Name of the event: UCF Central- Presencia en la web: redes científicas y difusión de publicaciones
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University

Aims of the course: Veáse
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=574
Target group profile: Formación Inicial (Doctores no permanentes)
Hours of teaching: 6
Teaching date: 2013
Type of participation: Participatory - oral communication

3 **Type of event:** Seminar
Name of the event: UCF Central- Presencia en la web: redes científicas y difusión de publicaciones
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course: Veáse
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=597
Target group profile: Formación Continua (Doctores permanentes)
Hours of teaching: 6
Teaching date: 2013
Type of participation: Participatory - oral communication

4 **Type of event:** Seminar
Name of the event: UCF Central- Eficiencia en la creación de documentos científicos (parte I)
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course: Veáse
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=570
Target group profile: Formación Predoctoral (profesores/investigadores UAM en formación)
Hours of teaching: 6
Teaching date: 2012
Type of participation: Participatory - oral communication

5 **Type of event:** Seminar
Name of the event: UCF Central- Eficiencia en la creación de documentos científicos (parte II)
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course: Veáse
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=614
Target group profile: Formación Predoctoral (profesores/investigadores UAM en formación)
Hours of teaching: 6
Teaching date: 2012
Type of participation: Participatory - oral communication

6 **Type of event:** Seminar
Name of the event: UCF Central- Eficiencia en la creación de documentos científicos (parte III)
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course: Veáse
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=615
Target group profile: Formación Predoctoral (profesores/investigadores UAM en formación)
Hours of teaching: 6
Teaching date: 2012
Type of participation: Participatory - oral communication

7 **Type of event:** Seminar
Name of the event: UCF Central- Gestión de referencias bibliográficas
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University

Aims of the course: Veáse
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=611
Target group profile: Formación Predoctoral (profesores/investigadores UAM en formación)
Hours of teaching: 6
Teaching date: 2012
Type of participation: Participatory - oral communication

8 **Type of event:** Seminar
Name of the event: UCF Central- Eficiencia en la creación de documentos científicos
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course: Veáse
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=558
Target group profile: Formación Continua (Doctores permanentes)
Hours of teaching: 9
Teaching date: 2011
Type of participation: Participatory - oral communication

9 **Type of event:** Seminar
Name of the event: UCF Central- Herramientas informáticas de apoyo a la investigación
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course: Veáse
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=497
Target group profile: Formación Continua (Doctores permanentes)
Hours of teaching: 12
Teaching date: 2011
Type of participation: Participatory - oral communication

10 **Type of event:** Seminar
Name of the event: UCF Central- Herramientas informáticas de apoyo a la investigación
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course: Veáse
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=498
Target group profile: Formación Inicial (Doctores no permanentes)
Hours of teaching: 12
Teaching date: 2011
Type of participation: Participatory - oral communication

11 **Type of event:** Seminar
Name of the event: UCF Central- Introducción al procesador de textos LaTeX
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course: Veáse
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=517
Target group profile: Formación Predoctoral (profesores/investigadores UAM en formación)
Hours of teaching: 6
Teaching date: 2011
Type of participation: Participatory - oral communication

12 **Type of event:** Seminar
Name of the event: UCF Central- Presencia en la web: redes científicas y difusión de publicaciones
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University

Aims of the course: Veáse
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=559
Target group profile: Formación Continua (Doctores permanentes)
Hours of teaching: 6
Teaching date: 2011
Type of participation: Participatory - oral communication

13 **Type of event:** Seminar
Name of the event: UCF Central- Gestión de referencias bibliográficas
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course:
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=356
Target group profile: Formación Predoctoral (profesores/investigadores UAM en formación)
Hours of teaching: 12
Teaching date: 2010
Type of participation: Participatory - oral communication

14 **Type of event:** Seminar
Name of the event: UCF Central- Herramientas informáticas de apoyo a la investigación
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course:
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=407
Target group profile: Formación Continua (Doctores permanentes)
Hours of teaching: 12
Teaching date: 2010
Type of participation: Participatory - oral communication

15 **Type of event:** Seminar
Name of the event: UCF Central- Herramientas informáticas de apoyo a la investigación (1ª edición)
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course:
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=391
Target group profile: Formación Inicial (Doctores no permanentes)
Hours of teaching: 12
Teaching date: 2010
Type of participation: Participatory - oral communication

16 **Type of event:** Seminar
Name of the event: UCF Central- Introducción al editor científico LaTeX
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course:
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=358
Target group profile: Formación Predoctoral (profesores/investigadores UAM en formación)
Hours of teaching: 12
Teaching date: 2010
Type of participation: Participatory - oral communication

17 **Type of event:** Seminar
Name of the event: UCF Central- Gestión de referencias bibliográficas
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University

Aims of the course:
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=245
Target group profile: Formación Predoctoral (profesores/investigadores UAM en formación)
Hours of teaching: 12
Teaching date: 2009
Type of participation: Participatory - oral communication

18 **Type of event:** Seminar
Name of the event: UCF Central- Herramientas informáticas de apoyo a la investigación
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course:
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=262
Target group profile: Formación Inicial (Doctores no permanentes)
Hours of teaching: 12
Teaching date: 2009
Type of participation: Participatory - oral communication

19 **Type of event:** Seminar
Name of the event: UCF Central- Herramientas informáticas de apoyo a la investigación (2a edición)
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course:
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=281
Target group profile: Formación Inicial (Doctores no permanentes)
Hours of teaching: 12
Teaching date: 2009
Type of participation: Participatory - oral communication

20 **Type of event:** Seminar
Name of the event: UCF Central- Introducción al editor científico LaTeX
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course:
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=246
Target group profile: Formación Predoctoral (profesores/investigadores UAM en formación)
Hours of teaching: 8
Teaching date: 2009
Type of participation: Participatory - oral communication

21 **Type of event:** Seminar
Name of the event: UCF Central- Herramientas informáticas de apoyo a la investigación
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course:
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=124
Target group profile: Formación Inicial (Doctores no permanentes)
Hours of teaching: 9
Teaching date: 2008
Type of participation: Participatory - oral communication

22 **Type of event:** Seminar
Name of the event: UCF Central- Herramientas informáticas de apoyo a la investigación (2ª edición)
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University

Aims of the course:
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=174
Target group profile: Formación Inicial (Doctores no permanentes)
Hours of teaching: 9
Teaching date: 2008
Type of participation: Participatory - oral communication

23 **Type of event:** Seminar
Name of the event: UCF de Derecho- Gestión eficiente de referencias para publicaciones en el ámbito del Derecho
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course:
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=193
Target group profile: Formación Continua (Doctores permanentes)
Hours of teaching: 4
Teaching date: 2008
Type of participation: Participatory - oral communication

24 **Type of event:** Seminar
Name of the event: UCF de Filosofía y Letras- Herramientas informáticas para la investigación
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course:
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=218
Target group profile: Formación Continua (Doctores permanentes)
Hours of teaching: 5
Teaching date: 2008
Type of participation: Participatory - oral communication

25 **Type of event:** Seminar
Name of the event: UCF de Filosofía y Letras- Herramientas informáticas para la investigación
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course:
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=222
Target group profile: Formación Continua (Doctores permanentes)
Hours of teaching: 5
Teaching date: 2008
Type of participation: Participatory - oral communication

26 **Type of event:** Seminar
Name of the event: UCF Central- Herramientas informáticas de apoyo a la investigación
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course:
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=23
Target group profile: Formación Inicial (Doctores no permanentes)
Hours of teaching: 9
Teaching date: 2007
Type of participation: Participatory - oral communication

27 **Type of event:** Seminar
Name of the event: UCF Central- Herramientas informáticas de apoyo a la investigación
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University

Aims of the course:
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=12
Target group profile: Formación Inicial (Doctores no permanentes)
Hours of teaching: 5
Teaching date: 2006
Type of participation: Participatory - oral communication

28 **Type of event:** Seminar
Name of the event: UCF de Filosofía y Letras- Herramientas informáticas de apoyo a la investigación
Organising entity: Universidad Autónoma de Madrid   **Type of entity:** University
Aims of the course:
http://www.lauam.es/vicerrectorado/formacion_docente/publico/guia_docente.php?codigo_modulo=40
Target group profile: Formación Continua (Doctores permanentes)
Hours of teaching: 4
Teaching date: 2006
Type of participation: Participatory - oral communication

Educational or pedagogical publications, books, articles, etc.

1 Available on-line at: <https://moodle.uam.es/course/view.php?id=4222>.
Name of the materials: Curso en Moodle: Autómatas y lenguajes
Target group profile: Estudiantes de grado
Format: Notes

2 Available on-line at: <http://moodle.uam.es/course/view.php?id=1689>.
Name of the materials: Curso en Moodle: Procesadores de Lenguaje
Target group profile: Estudiantes de grado
Format: Notes

3 Available on-line at: <http://www.slideshare.net/marianorico>.
Name of the materials: Cursos en SlideShare
Target group profile: Estudiantes de grado, postgrado, máster y doctorado
Justification of material: * Usando Flex, versión 2011, (996 visitas) * Cursos del Programa de Formación Docente • Gestionando referencias bibliográficas, versión 2006, (11773 visitas) • Herramientas Informáticas de Apoyo a la Investigación, versión 2011, (1117 visitas) • Introducción a LaTeX, versión 2010, (855 visitas) • Herramientas Informáticas de Apoyo a la Investigación, versión 2009, (1748 visitas) • Usando LaTeX. UAM 2012 (673 visitas)

Participation in innovative teaching projects

Project title: PEIA-UPM: Plataforma de Experimentación para los estudios de Ingeniería y Arquitectura de la UPM
Type of participation: Coordinador técnico
Contribution to the project: Idea and Technical Coordinator. I selected, trained and directed to interns who created the platform. I made the proposal of the project With Marta Berrocal, me as technical coordinator and she as Principal Investigator. I applied my knowledge of non immersive virtual worlds to create a Educational Platform based on virtual worlds, being therefore a key figure for the project, as seen in the project proposal (see http://innovacioneducativa.upm.es/proyectosIE/informa tion? anyo = 2010-2011 & id = 286) which states: "The viability of this project would be subject to fund Mariano Rico as technical coordinator of this project. Failure to financed is considered that the project is not viable".
Dedication regime: Part time

Name of the main researcher: Marta Berrocal
Funding entity: Universidad Politécnica de Madrid   **Type of entity:** University
Type of call: Competitive
Geographical area: Innovación Educativa UPM
Start-End date: 01/10/2010 - 01/10/2011   **Duration:** 1 year

Participation in conferences with talks focused on teacher training

1 **Name of the event:** IEEE EDUCON 2012 -Collaborative Learning & New Pedagogic Approaches in Engineering Education
   Type of event: Conference
   Type of participation: Participatory - oral communication
   City of event: Marrakesh, Morocco
   An Arquitecture for Virtual Labs in Engineering Education. Available on-line at: <http://www.educon-conference.org/educon2012/>. ISBN 978-4673-1455-8

2 **Name of the event:** I Congreso Internacional sobre Aprendizaje, Innovación y Competitividad (CINAIC 2011)
   Type of event: Conference
   Type of participation: 'Participatory - poster
   City organizing entity: Madrid, Community of Madrid, Spain

3 **Name of the event:** IEEE Engineering Education 2010 – The Future of Global Learning in Engineering Education
   Type of event: Conference
   Type of participation: Participatory - oral communication
   City of event: Madrid, Community of Madrid, Spain
   Organising entity: Escuela de Ingenieros Industriales de la UNED (entre otros)
   Publication type: Scientific paper
   Automatic Guidance Tools for Enhancing the Educative Experience in Non- Immersive Virtual Worlds. Available on-line at: <http://www.educon-conference.org/educon2010/>. ISBN 978-84-96737-70-9

4 **Name of the event:** IEEE EDUCON 2013
   Type of participation: Participatory - others
   City of event: Berlin, Germany

5 **Name of the event:** IEEE EDUCON 2012
   Type of participation: Participatory - others

6 **Name of the event:** IEEE EDUCON 2010
   Type of participation: Participatory - others

Awards received for innovation in the field teaching

Name of the prize: Best Paper Award in category "Infrastructure and Technologies for Engineering Education" at International Conference EDUCON 2012
Proposed by: IEEE EDUCON 2012 Steering Committee. See http://www.educon-conference.org/educon2012/awards.htm
Conferral date: 20/04/2012

Scientific and technological experience

Research and development groups/teams

1   **Name of the group:** Semantic Computing Group
Aims of the group: Semantic computing
Type of collaboration: Co-authorship of publications
Affiliation entity: Bielefeld University   **Type of entity:** University
Start date: 20/06/2014   **Duration:** 2 years

2   **Name of the group:** CBGP
Aims of the group: Agriculture new tecnologies
Type of collaboration: Collaboration in training third parties
Affiliation entity: centro de biotecnología de genómica   **Type of entity:** R&D Centre
de plantas
Relevant results: Formation of 5 people in non immersive virtual worlds
Others: development of a Virtual Lab for the biotecnology plants department
Start date: 2011   **Duration:** 1 year

3   **Name of the group:** PEIA-UPM
Aims of the group: Agriculture new tecnologies
Type of collaboration: Collaboration in training third parties
Affiliation entity: Escuela Técnica Superior de   **Type of entity:** University Centres and Structures and
Ingenieros Agrónomos   Associated Bodies
Relevant results: Formation of 5 people in non immersive virtual worlds
Others: development of a Virtual Lab for the agriculture deparment
Start date: 2011   **Duration:** 1 year

4   **Name of the group:** Ontology Engineering Group
Aims of the group: Investigación en Ingeniería de Ontologías
Name of principal investigator: Asunción de María Gómez Pérez
Type of collaboration: Co-authorship of publications
Affiliation entity: Universidad Politécnica de Madrid   **Type of entity:** University
Relevant results: Integration of Semantic Web Technologies in Telefonica R&Dexperimental infrastructures
Others: Publication in high impact journal (Q1): IEEE Internat Computing
Start date: 2010   **Duration:** 5 months

5   **Name of the group:** GHIA (Grupo de Herramientas Interactivas Avanzadas)
Aims of the group: Advanced Interactive Tools
Name of principal investigator: Roberto Moriyón
Type of collaboration: Co-authorship of publications
Affiliation entity: Universidad Autónoma de Madrid   **Type of entity:** University
Relevant results: Development of a virtual world for high School Education
Others: Publication of papers (indexed by ISI-WOK)
Start date: 2009   **Duration:** 1 year - 2 months

6 **Name of the group:** DERI Galway
Aims of the group: Semantic Web Research
Name of principal investigator: Christopher Bussler
Type of collaboration: Co-authorship of publications
Affiliation entity: Digital Enterprise Research Institute   **Type of entity:** R&D Centre
Start date: 2004   **Duration:** 2 years

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

1 **Name of the project:** Large-scale pilots for collaborative OpenCourseWare authoring, multiplatform delivery and Learning Analytics (SlideWiki)
Entity where project took place: **Type of entity:** R&D Centre
Fraunhofer-Institute for Intelligent Analysis and
Information Systems
City of entity: Köln, Germany
Name principal investigator (PI, Co-PI....): Sören Auer
Nº of researchers: 49
Funding entity or bodies:
EU   **Type of entity:** Public Research Body

Start-End date: 01/01/2016 - 31/12/2018
Total amount: 6.879.040

2 **Name of the project:** Application of the IBM Watson ecosystem for providing technology intelligence services to small and medium enterprises
Entity where project took place: OEG-UPM   **Type of entity:** University
City of entity: Madrid, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): Asunción Gómez Pérez
Nº of researchers: 6
Funding entity or bodies:
IBM   **Type of entity:** R&D Centre

Start-End date: 01/11/2015 - 01/11/2017
Total amount: 200.000

3 **Name of the project:** 4V: volumen, velocidad, variedad y validez en la gestión innovadora de datos
Entity where project took place: Universidad   **Type of entity:** University
Politécnica de Madrid
City of entity: Spain
Name principal investigator (PI, Co-PI....): Asunción Gómez Pérez
Nº of researchers: 21
Funding entity or bodies:
Ministerio de Ciencia e Innovación   **Type of entity:** TIN2013-46238-C4-2-R
City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 01/01/2014 - 31/12/2016
Total amount: 287.712

4   **Name of the project:** Ayuda para la participación de miembros del Ontology Engineering Group en proyectos del H2020-Ontologías, semántica, datos enlazados y multilingüismo

Entity where project took place: Universidad Politécnica de Madrid   **Type of entity:** University

City of entity: madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Asunción Gómez Pérez

Nº of researchers: 11

Funding entity or bodies:

Ministerio de Ciencia e Innovación   **Type of entity:** EUIN2013-50981

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 01/01/2013 - 31/12/2016
Total amount: 25.000

5   **Name of the project:** European Project Acronim: LIDER (Linked Data as an enabler of cross-media and multilingual content analytics for enterprises across Europe)

Entity where project took place: Universidad Politécnica de Madrid   **Type of entity:** University

City of entity: Madrid, Spain

Name principal investigator (PI, Co-PI....): Asunción Gómez Pérez

Nº of researchers: 32

Funding entity or bodies:

European Union (7th framework program)   **Type of entity:** State agency

Start-End date: 01/11/2013 - 31/10/2016
Total amount: 1.482.000

6   **Name of the project:** esDBpedia: núcleo central de los datos enlazados del idioma español

Entity where project took place: Universidad Politécnica de Madrid   **Type of entity:** University

City of entity: madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Mariano Rico Almodóvar

Nº of researchers: 6

Funding entity or bodies:

ministerio de Economía y Competitividad   **Type of entity:** State agency

Name of the programme: AYUDAS A INFRAESTRUCTURAS Y EQUIPAMIENTO CIENTÍFICO-TÉCNICO
Code according to the funding entity: UNPM13-4E-1814
Start-End date: 01/01/2013 - 31/12/2015
Total amount: 15.184

7   **Name of the project:** GO LITE: ENGINEERING COMPLEX SYSTEMS WITH SIMPLER MODEL DRIVEN ENGINEERING

Geographical area: National
Degree of contribution: Researcher
Entity where project took place: Universidad Autónoma de Madrid y 2 colaboradores externos.
Name principal investigator (PI, Co-PI....): Juan de Lara Jaramillo
Nº of researchers: 11
Funding entity or bodies:

Ministerio de Ciencia e Innovación   **Type of entity:** Ministerio

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Others
Code according to the funding entity: (TIN2011-24139

Start-End date: 01/01/2012 - 31/12/2013   **Duration:** 2 years
Total amount: 127.700
Dedication regime: Part time
Applicant's contribution: Diseño de interfaces de usuario avanzados

8   **Name of the project:** ABANT
Degree of contribution: Researcher
Entity where project took place: Universidad Autónoma de Madrid
Name principal investigator (PI, Co-PI....): David Camacho
Nº of researchers: 7
Funding entity or bodies:
Ministerio de Ciencia e Innovación   **Type of entity:** Ministerio
City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Others
Code according to the funding entity: TIN2010-19872
Start-End date: 01/01/2011 - 31/12/2013   **Duration:** 2 years - 11 months - 30 days
Total amount: 79.013
Dedication regime: Part time
Applicant's contribution: Experiencia en mundos virtuales no inmersivos

9   **Name of the project:** e-Madrid ("Investigación y desarrollo de tecnologías para el e-learning en la CM")
Degree of contribution: Researcher
Entity where project took place: Universidad Carlos III de Madrid (UC3M), Universidad Autónoma de Madrid (UAM), Universidad Complutense de Madrid (UCM), Universidad Nacional de Educación a Distancia (UNED), Universidad Rey Juan Carlo
Name principal investigator (PI, Co-PI....): Carlos Delgado Kloos (UC3M); Juan de Lara Jaramillo (UAM); Baltasar Fernández Manjón (UCM); Miguel Rodríguez Artacho (UNED); Jesús M. González Barahona (URJC); Edmundo Tovar Caro (UPM)
Nº of researchers: 128
Funding entity or bodies:
Comunidad de Madrid   **Type of entity:** Gobierno local
City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Others
Start-End date: 01/01/2010 - 31/12/2013   **Duration:** 3 years - 11 months - 30 days
Total amount: 862.500
Applicant's contribution: Research and talk about non immersive virtual worlds (See http://www.emadridnet.org/es/seminario-plataformas-herramientas-elearning/vleaf-una-plataforma-educativa-basada-en-mundos-virtuales)

10   **Name of the project:** Workflow4Ever (European Project acronim Wf4Ever)
Entity where project took place: Universidad   **Type of entity:** University
Politécnica de Madrid
City of entity: Madrid, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): Oscar Corcho
Nº of researchers: 22
Funding entity or bodies:
European Union, 7th Program Framework   **Type of entity:** State agency
City funding entity: Bruselas

Start-End date: 01/12/2010 - 03/11/2013
Total amount: 2.900.700

11 **Name of the project:** METEORIC – Meta-Tool Environments for Model-Oriented Collaborative Web Applications
Degree of contribution: Researcher
Entity where project took place: Universidad Autónoma de Madrid   **Type of entity:** University
Name principal investigator (PI, Co-PI....): Juan de Lara Jaramillo
Nº of researchers: 12
Funding entity or bodies:
MINISTERIO DE EDUCACION Y CIENCIA
City funding entity: Spain

Type of participation: Others
Code according to the funding entity: TIN2008-02081
Start-End date: 01/2009 - 31/12/2011   **Duration:** 2 years - 11 months - 30 days
Total amount: 114.000
Dedication regime: Full time
Applicant's contribution: Experiencia en desarrollo de interfaces web avanzadas

12 **Name of the project:** PEIA-UPM (Plataforma de Experimentación para los estudios de Ingeniería y Arquitectura de la UPM)
Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services   **Geographical area:** Innovación Educativa
Degree of contribution: Scientific coordinator
Entity where project took place: Universidad Politécnica de Madrid   **Type of entity:** University
Name principal investigator (PI, Co-PI....): Marta Berrocal Lobo
Nº of researchers: 100   **Nª people/year:** 80
Funding entity or bodies:
Universidad Politécnica de Madrid   **Type of entity:** University
City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Co-ordinator
Start-End date: 01/09/2009 - 01/09/2010   **Duration:** 1 year
Total amount: 40.000
Relevant results: Integration woth 5 UPM faculties/schools
Dedication regime: Part time
Applicant's contribution: Coordinación técnico del proyecto. Formación y dirección de los ingenieros que desarrollaron los 4 laboratorios virtuales desarrollados. Project technical coordinator. Formation and direction of the engineers that developed the 4 virtual labs.

13 **Name of the project:** UpGrid
Geographical area: National
Degree of contribution: Researcher
Entity where project took place: Universidad Politécnica de Madrid, iSOCO, y Telefónica I+D
Name principal investigator (PI, Co-PI....): Óscar Corcho
Nº of researchers: 6
Funding entity or bodies:
Ministerio de Ciencia e Innovación   **Type of entity:** TSI-020100-2008-202
City funding entity: Madrid, Community of Madrid, Spain

Ministerio de Ciencia e Innovación   **Type of entity:** TSI-020100-2009-0196

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 01/04/2009 - 30/06/2010   **Duration:** 1 year - 2 months - 29 days
Total amount: 746.145
Dedication regime: Full time
Applicant's contribution: Mi participación (de 19 de abril a 30 de junio 2010) fue como investigador contratado para el proyecto. No participé en la propuesta. Apliqué mis conocimientos de Web Semántica y procesamiento de lenguaje natural. I worked hired for this project from 19th april to 30 june (2010). I did not participate in the project proposal. I applied my experience in semantic web technologies and natuaral language processing.

14 **Name of the project:** DEDICON – (Desarrollo para Dispositivos de Computación Natural: hardware, software de diseño automático y aplicaciones)
Geographical area: Regional
Degree of contribution: Researcher
Entity where project took place: Universidad Autónoma de Madrid, UPM, Universidad Rovira i Virgili, Universidad. C.E.U. San Pablo
Name principal investigator (PI, Co-PI....): Alfonso Ortega de la Puente
Nº of researchers: 12
Funding entity or bodies:

Universidad Autónoma de Madrid   **Type of entity:** University
City funding entity: Cantoblanco, Community of Madrid, Spain

Comunidad de Madrid   **Type of entity:** Comunidad Autónoma
City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Others
Code according to the funding entity: CCG08-UAM/TIC-4425
Start-End date: 02/2009 - 03/2010   **Duration:** 1 year - 1 month
Total amount: 19.000
Dedication regime: Full time
Applicant's contribution: Experiencia ne creación de interfaces web avanzadas

15 **Name of the project:** Red Temática de Web Semántica
Entity where project took place: 27 grupos de investigación de 23 universidades españolas
Name principal investigator (PI, Co-PI....): Asunción Gómez Pérez
Funding entity or bodies:
MINISTERIO DE EDUCACION Y CIENCIA. Acciones complementarias

Type of participation: Others
Code according to the funding entity: TSI2006-26928-E
Start-End date: 11/2006 - 10/2008   **Duration:** 2 years
Total amount: 27.000
Applicant's contribution: I joined this network after its creation. I did not participate in the proposal.

16 **Name of the project:** Tecnologías de la web semántica aplicadas a contenidos de información económica y financiera
Degree of contribution: Researcher
Entity where project took place: Universidad   **Type of entity:** University
Autónoma de Madrid
Name principal investigator (PI, Co-PI....): Pablo Castells Azpilicueta
Nº of researchers: 4
Name of the programme: PROFIT
Code according to the funding entity: FIT-150500-2003-309

Start-End date: 01/2003 - 01/2004   **Duration:** 1 year
Participating entity/entities: Tecnología Información y Finanzas S.A. (AFI); Universidad Autónoma de Madrid
Total amount: 12.371   **Sub-project amount:** 12.371
Dedication regime: Full time

17   **Name of the project:** Neptuno: gestión integral de contenidos y publicación de prensa digital personalizada y accesible en la web semántica
Degree of contribution: Researcher
Entity where project took place: Universidad Autónoma de Madrid, Diari SEGRE, S.L.U, Universidad de Lleida, iSOCO, S.A.
Name principal investigator (PI, Co-PI....): Pablo Castells Azpilicueta
Nº of researchers: 10
Funding entity or bodies:
Ministerio de Ciencia y tecnología   **Type of entity:** State agency

Type of participation: Others
Name of the programme: PROFIT
Code according to the funding entity: FIT-150500-2003-511
Start-End date: 01/2003 - 31/12/2003   **Duration:** 1 year
Total amount: 46.580
Dedication regime: Full time
Applicant's contribution: Conocimientos de aplicaciones web y tecnologías de la Web Semántica
Knowledge about web applications and its development, as well as Semantic Web technologies

18   **Name of the project:** Red Temática de Linked Data
Degree of contribution: Researcher
Entity where project took place: Universidad Autónoma de Madrid   **Type of entity:** University
Name principal investigator (PI, Co-PI....): Óscar Corcho
Funding entity or bodies:
MINISTERIO DE EDUCACION Y CIENCIA. Acciones complementarias

Code according to the funding entity: TIN2010-10811-E
Start date: 01/01/2011   **Duration:** 2 years
Participating entity/entities: 29 grupos de investigación de universidades españolas
Total amount: 22.000
Applicant's contribution: I joined this network after its creation. I did not participate in the proposal.

19   **Name of the project:** V-LeaF
Geographical area: National
Degree of contribution: Researcher
Entity where project took place: Universidad Autónoma de Madrid
Name principal investigator (PI, Co-PI....): Estrella Pulido
Nº of researchers: 5
Funding entity or bodies:
Ministerio de Ciencia e Innovación   **Type of entity:** Ministerio
City funding entity: Madrid, Community of Madrid, Spain

Name of the programme: Programa Explora
Code according to the funding entity: TIN2008-02729-E/TIN
Start date: 01/02/2009   **Duration:** 2 years - 2 days
Total amount: 95.000

Dedication regime: Full time

Applicant's contribution: Development of non immersive virtual labs, technical coordinator and direction of technicians hired for the project. Some publications as first author (one of them indexed by ISI). I was hired for this project from Feb 2009 to april 2010. I did not participate formally in the proposal.

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20   **Name of the project:** España Virtual

Degree of contribution: Researcher

Entity where project took place: Universidad Politécnica de Madrid   **Type of entity:** University

Name principal investigator (PI, Co-PI....): Óscar Corcho

Nº of researchers: 11

Funding entity or bodies:

Centro para el Desarrollo Tecnológico Industrial   **Type of entity:** Business

City funding entity: Madrid, Community of Madrid, Spain

Ministerio de Ciencia e Innovación   **Type of entity:** Programa Ingenio 2010

City funding entity: Madrid, Community of Madrid, Spain

CENTRO NACIONAL DE INFORMACION GEOGRAFICA

City funding entity: Spain

Start date: 01/10/2008   **Duration:** 3 years - 2 months - 30 days

Participating entity/entities: Centro Nacional de Información Geográfica.; Universidad Politécnica de Madrid

Total amount: 25.192.648

Dedication regime: Full time

Applicant's contribution: I worked hired for this project from 1st july to 15 september (2010). I did not participate in the project proposal. I applied my experience in semantic web technologies and natuaral language processing.

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21   **Name of the project:** S5T – Scaleable semantic personalised search of spoken and written contents on the Semantic Web

Degree of contribution: Researcher

Entity where project took place: Universidad Autónoma de Madrid   **Type of entity:** University

Name principal investigator (PI, Co-PI....): Pablo Castells

Nº of researchers: 16

Funding entity or bodies:

Ministerio de Educación y Ciencia (TIN2005-06885)

Type of participation: Others

Start date: 01/2006   **Duration:** 2 years - 11 months

Total amount: 56.000

Dedication regime: Full time

Applicant's contribution: Conocimientos de aplicaciones web y tecnologías de la Web Semántica Knowledge about web applications and its development, as well as Semantic Web technologies

Results

Industrial and intellectual property

Title registered industrial property: INTELLECTUAL PROPERTY REGISTRATION. Notarial certificate: Canal OSI v1.0
Inventors/authors/obtainers: Mariano Rico Almodóvar
Entity holder of rights: Telefónica I+D
Date of register: 02/2002
Conferral date: 02/2002

Technological results derived from specialized and transfer activities, not included in previous sections

Description: Creation of es.dbpedia.org site
Name of the principal Investigator (PI): Mariano Rico
Name of the Co-principal investigator (Co-PI): Oscar Corcho
Degree of contribution: Coordinator of total project, network or consortium
Collaborating entity or bodies:

Frei Universitat **Type of entity:** University
City collaborating entity: Berlin, Germany

Universidad Politécnica de Madrid **Type of entity:** University
City collaborating entity: Madrid, Community of Madrid, Spain

Start date: 2012
Relevant results: Open data source reference for the spanish language

Scientific and technological activities

Scientific production

H index: 8
Date of application: 17/11/2015

Publications, scientific and technical documents

1 M. Rico; D. Camacho; Ó. Corcho. A Contribution-based Framework for the Creation of Semantically-enabled Web Applications. Information Sciences. 180 - 10, pp. 1850 - 1864. 2010. Available on-line at: <http://dx.doi.org/10.1016/j.ins.2009.07.004>.

Type of production: Scientific paper	**Format:** Journal
Position of signature: 1	**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Impact source: ISI	**Category:** Science Edition - COMPUTER SCIENCE, INFORMATION SYSTEMS

Impact index in year of publication: 2.833   **Journal in the top 25%:** Yes

Position of publication: 9   **No. of journals in the cat.:** 9

Source of citations: WOS   **Citations:** 1

Source of citations: Google Scholar   **Citations:** 8

Relevant publication: Yes

2   M. Rico; Ó. Corcho; V. Méndez; JM Gómez-Pérez. A Semantically Enhanced UPnP Control Point to Enhance Multimedia Home Sharing Networks. IEEE Internet Computing. 15 - 6, pp. 58 - 64. 2011.

Type of production: Scientific paper   **Format:** Journal

Position of signature: 1   **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

Impact source: ISI   **Category:** Science Edition - COMPUTER SCIENCE, SOFTWARE ENGINEERING

Impact index in year of publication: 2.000   **Journal in the top 25%:** Yes

Position of publication: 5   **No. of journals in the cat.:** 5

Source of citations: Google Scholar   **Citations:** 1

Relevant publication: Yes

3   M. Rico; G.Martínez; X.Alamán; D. Camacho; E.Pulido. A Programming Experience of High School Students in a Virtual World Platform. International Journal of Engineering Education. 27 - 1, pp. 52 - 60. 2011.

Type of production: Scientific paper   **Format:** Journal

Position of signature: 1   **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

Impact source: ISI   **Category:** Science Edition - ENGINEERING, MULTIDISCIPLINARY

Impact index in year of publication: 0.418   **Journal in the top 25%:** No

Position of publication: 60   **No. of journals in the cat.:** 60

Source of citations: Google Scholar   **Citations:** 3

4   J. Ramírez; M. Rico; M. Berrocal; D. Riofrío; A. de Antonio. An OpenSim-based Virtual Lab for biotechnology education. IEEE Learning Technology. pp. 18 - 20. 2011. Available on-line at: <http://www.ieeetclt.org/issues/october2011/IEEE-LT-Oct11.pdf>. ISSN 1438-0625

Type of production: Scientific paper   **Format:** Journal

Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

5   M. Rico; O. Corcho; J.A. Macías; D. Camacho. A Tool Suite to Enable Web Designers,Web Application Developers and End-users to Handle Semantic Data. International Journal On Semantic Web and Information Systems. 6 - 3, pp. 38 - 60. 2010. Available on-line at: <http://dx.doi.org/10.4018/jswis.2010070103>.

Type of production: Scientific paper   **Format:** Journal

Position of signature: 1   **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

Impact source: ISI   **Category:** Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

Impact index in year of publication: 1.679   **Journal in the top 25%:** No

Position of publication: 37   **No. of journals in the cat.:** 37

Source of citations: Google Scholar   **Citations:** 1

6 M. Rico; F. García-Sánchez; J. M. Gómez; R. Valencia-García; J. T. Fernández Breis.Enabling Intelligent Service Discovery with GGODO. Journal of Information Science and Engineering. 26 - 4, pp. 1161 - 1180. 2010.

Type of production: Scientific paper	**Format:** Journal
Position of signature: 1	**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Impact source: ISI	**Category:** Science Edition - COMPUTER SCIENCE, INFORMATION SYSTEMS
Impact index in year of publication: 0.265	**Journal in the top 25%:** No
Position of publication: 120	**No. of journals in the cat.:** 120
Source of citations: WOS	**Citations:** 1
Source of citations: Google Scholar	**Citations:** 4

7 M. Rico. Simplifying Semantic Web Application Development and Semantic Data Usage. AI Communications. 23 - 1, pp. 25 - 26. 2010. Available on-line at: <Application Development and Semantic Data Usage.>.

Type of production: Scientific paper	**Format:** Journal
Position of signature: 1	**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Impact source: ISI	**Category:** Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: 0.824	**Journal in the top 25%:** No
Position of publication: 78	**No. of journals in the cat.:** 108

8 J. M. Gómez; M. Rico; F. García-Sánchez; C. J. Acuña.The Semantic Web Services Tetrahedron: Achieving Integration with Semantic Web Services. Lecture Notes in Computer Science. 3579, pp. 334 - 339. Springer Verlag, 2005. Available on-line at: <Services Tetrahedron: Achieving Integration with Semantic Web Services".>. ISBN 3-540-27996-2

Type of production: Scientific paper	**Format:** Journal
Position of signature: 2	**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Impact source: ISI	**Category:** Science Edition - COMPUTER SCIENCE, THEORY & METHODS
Impact index in year of publication: 0.402	**Journal in the top 25%:** No
Position of publication: 62	**No. of journals in the cat.:** 62
Source of citations: Google Scholar	**Citations:** 4

9 P. Castells; F. Perdrix; E. Pulido; M. Rico; R. Benjamins; J. Contreras; J. Lorés.Neptuno: Semantic Web Technologies for a Digital Newspaper Archive. Lecture Notes in Computer Science. 3053, pp. 445 - 458. Springer Verlag, 2004. ISBN 3-540-21999-4

Type of production: Scientific paper	**Format:** Journal
Position of signature: 4	**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Impact source: ISI	**Category:** Science Edition - COMPUTER SCIENCE, THEORY & METHODS
Impact index in year of publication: 0.513	**Journal in the top 25%:** No
Position of publication: 53	**No. of journals in the cat.:** 53
Source of citations: WOS	**Citations:** 1
Source of citations: Google Scholar	**Citations:** 45

GOBIERNO DE ESPAÑA — MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD

FECYT — FUNDACIÓN ESPAÑOLA PARA LA CIENCIA Y LA TECNOLOGÍA

10   P. Castells; B. Foncillas; R. Lara; M. Rico; J. L. Alonso.Semantic Web Technologies for Economic and Financial Information Management. Lecture Notes in Computer Science. 3053, pp. 473 - 487. Springer Verlag, 2004. ISBN 3-540-21999-4

Type of production: Scientific paper	**Format:** Journal
Position of signature: 4	**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Impact source: ISI	**Category:** Science Edition - COMPUTER SCIENCE, THEORY & METHODS
Impact index in year of publication: 0.513	**Journal in the top 25%:** No
Position of publication: 53	**No. of journals in the cat.:** 53
Source of citations: WOS	**Citations:** 8
Source of citations: Scholar	**Citations:** 44

11   M. Rico. Interfaces de usuario para discapacitados visuales mediante técnicas de la Web Semántica. IV Congreso de Accesibilidad a los Medios Audiovisuales para Personas con Discapacidad (AMADIS09).pp. 43 - 49. Real Patronato sobre Discapacidad, 2010. Available on-line at: <http://sid.usal.es/idocs/F8/FDO25630/AMADIS09.pdf>. ISBN 978-84-693-6600-4

Type of production: Book chapter	**Format:** Book
Position of signature: 1	**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

12   P. Castells; F. Perdrix; E. Pulido; M. Rico; J. M. Fuentes; R. Benjamins; J. Contreras; E. Piqué; J. Cal; J. Lorés; T. Granollers. Newspaper Archives on the Semantic Web. HCI Related Papers of Interaction 2004". R. Navarro, J. Lorés R. (Eds.), 2006.pp. 267 - 276. (Holland): Springer, 2006. Available on-line at: <.>. ISBN 1-4020-4204-3

Type of production: Book chapter	**Format:** Book
Position of signature: 4	**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Source of citations: WOS	**Citations:** 1
Source of citations: Google Scholar	**Citations:** 5

13   Mariano Rico. Aplicaciones Web semánticas y datos semánticos. Editorial Académica Española, 2012. Available on-line at: <http://www.amazon.com/Aplicaciones-semánticas-datos-semánticos-simplificación/dp/3848451875>. ISBN 3-84845-187-5

Type of production: Scientific book or monograph	**Format:** Book
Position of signature: 1	**Degree of contribution:** Author or co-author of entire book

Works submitted to national or international conferences

1   **Title of the work:** An Analysis of Quality Issues of the Properties Available in the Spanish DBpedia
   Name of the conference: 16th Conference of the Spanish Association for Artificial Intelligence (CAEPIA)
   Corresponding author: No
   City of event: Albacete, Castile-La Mancha, Spain
   Date of event: 09/11/2015
   End date: 12/11/2015
   Publication in conference proceedings: Yes
   Nandana Mihindukulasooriya; Mariano Rico; Raúl García Castro; Asunción Gómez Pérez. 9422, Springer, Available on-line at: <http://dx.doi.org/10.1007/978-3-319-24598-0>. ISBN 978-3-319-24597-3
   DOI: 10.1007/978-3-319-24598-0

2 **Title of the work:** Lemonade: A web assistant for creating and debugging ontology lexica
Name of the conference: NLDB2015 (20th International Conference on Applications of Natural Language to Information Systems)
Corresponding author: Yes
City of event: Passau, Germany
Date of event: 09/11/2015
End date: 12/11/2015
With external admission assessment committee: Yes
Mariano Rico; Christina Unger. "Natural Language Processing and Information Systems".
En: Lecture Notes in Computer Science. 9103, pp. 448 - 452. Available on-line at:
<http://dx.doi.org/10.1007/978-3-319-19581-0_45>. ISSN 0302-9743, ISBN 978-3-319-19580-3
DOI: 10.1007/978-3-319-19581-0_45

3 **Title of the work:** Sorry, I only speak natural language: a pattern-based, data-driven and guided approach to mapping natural language queries to SPARQL
Name of the conference: IESD 2015 (Intelligent Exploration of Semantic Data). Workshop at the International Semantic Web Conference (ISWC 2015)
Corresponding author: Yes
City of event: Bethlehem, Pennsylvania, United States of America
Date of event: 12/10/2015
End date: 12/10/2015
Publication in conference proceedings: Yes
Mariano Rico; Christina Unger; Philipp Cimiano. "CEUR WS vol-1472". 1472, Available on-line at:
<http://ceur-ws.org/Vol-1472/>. ISSN 1613-0073

4 **Title of the work:** An Arquitecture for Virtual Labs in Engineering Education
Name of the conference: IEEE Engineering Education (EDUCON 2012)

Type of event: Conference	**Geographical area:** Non EU International
Type of participation: Participatory - oral communication	**Reasons for participation:** Review before acceptance
City of event: Marrakesh, Morocco	
Date of event: 17/04/2012	
End date: 20/04/2012	
Publication in conference proceedings: Yes	**With external admission assessment committee:** Yes

Type of contribution: Scientific paper
Mariano Rico; Jaime Ramírez; Diego Riofrío; Marta Berrocal-Lobo; Angélica de Antonio. "Collaborative Learning & New Pedagogic Approaches in Engineering Education". ISSN 2165-9559, ISBN 978-4673-1455-8

5 **Title of the work:** PEIA-UPM: Plataforma Experimental para Estudios en Ingeniería y Arquitectura de la UPM
Name of the conference: I Congreso Internacional sobre Aprendizaje, Innovación y Competitividad (CINAC 2011)

Type of event: Conference	**Geographical area:** Non EU International

Reasons for participation: Review before acceptance
City of event: Madrid, Spain
Date of event: 26/09/2011
End date: 28/09/2011
Organising entity: Cátedra UNESCO de Gestión y Política Universitaria de la UPM (entre otras)
With external admission assessment committee: Yes

Type of contribution: Scientific paper

Marta Berrocal-Lobo; Antonio Carpeño; Angélica De Antonio; Consuelo Fernández; Sergio López; Teresa Martín; Jaime Ramírez; Beatriz Recio; Mariano Rico; Rosario Torralba. pp. 411 - 416. ISBN 978-84-96398-50-4

6 **Title of the work:** Automatic Guidance Tools for Enhancing the Educative Experience in Non-Immersive Virtual Worlds

Name of the conference: IEEE Engineering Education Conference (EDUCON 2010).

Type of event: Conference	**Geographical area:** Non EU International
Type of participation: Participatory - oral communication	**Reasons for participation:** Review before acceptance

City of event: Madrid, Spain

Date of event: 14/04/2010

End date: 16/04/2010

With external admission assessment committee: Yes

Type of contribution: Scientific paper

Mariano Rico; David Camacho; Estrella Pulido. "Libro de actas.". Available on-line at: <http://dx.doi.org/10.1109/EDUCON.2010.5492448>. ISBN 978-84-96737-70-9

7 **Title of the work:** Personalized Handling of Semantic Data with MIG

Name of the conference: 8th International Workshop on Web Semantics (WebS'2009) at the 20th edition of DEXA

Type of event: Conference	**Geographical area:** Non EU International
Type of participation: Participatory - oral communication	**Reasons for participation:** Review before acceptance

City of event: Linz, Austria

Date of event: 31/08/2009

End date: 04/09/2009

Publication in conference proceedings: Yes	**With external admission assessment committee:** Yes

Type of contribution: Scientific paper

M. Rico; D. Camacho; Ó. Corcho. "PROCEEDINGS OF THE 20TH INTERNATIONAL WORKSHOP ON DATABASE AND EXPERT SYSTEMS APPLICATION". Available on-line at: <http://doi.ieeecomputersociety.org/10.1109/DEXA.2009.30>. ISBN 978-0-7695-3763-4

8 **Title of the work:** Personalizando la utilización de datos semánticos con MIG

Name of the conference: IV Congreso de Accesibilidad a los Medios Audiovisuales para Personas con Discapacidad (AMADIS 09)

Type of event: Conference	**Geographical area:** National
Type of participation: Participatory - oral communication	**Reasons for participation:** Review before acceptance

City of event: Pamplona, Spain

Date of event: 18/06/2009

End date: 19/06/2009

With external admission assessment committee: Yes

Type of contribution: Book chapter

Mariano Rico; David Camacho; Óscar Corcho. Available on-line at: <http://www.cesya.es/estaticas/AMADIS09/programa.php>.

9 **Title of the work:** Macros vs. scripting in VPOET

Name of the conference: 5th Workshop on Scripting and Development for the Semantic Web (SFSW2009) at the 6th Annual European Semantic Web Conference (ESWC)

Geographical area: Non EU International
Type of participation: Participatory - oral communication
City of event: Heraklion,
Date of event: 31/05/2009
End date: 04/06/2009
M. Rico; D. Camacho; Ó. Corcho. "CEUR online proceedings, Volume 449". 31/05/2004. Available on-line at: <http://ceur-ws.org/Vol-464/>. ISSN 1613-0073

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10 **Title of the work:** VPOET Templates to Handle the Presentation of Semantic Data Sources in Wikis
Name of the conference: Fourth Workshop on Semantic Wikis: The Semantic Wiki Web (SemWiki2009) at the 6th Annual European Semantic Web Conference (ESWC)
City of event: Heraklion,
Date of event: 31/05/2009
End date: 04/06/2009
M. Rico; D. Camacho; Ó. Corcho. "CEUR online proceedings, Volume 464". 464., 31/05/2004. Available on-line at: <http://ceur-ws.org/Vol-464/>. ISSN 1613-0073

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11 **Title of the work:** A High School Educational Platform based on Virtual Worlds
Name of the conference: 2nd Workshop on Methods and Cases in Computing Education (MCCE 2009)
City of event: Barcelona, Spain
Date of event: 22/04/2009
Publication in conference proceedings: Yes
M. Rico; D. Camacho; X. Alamán; E. Pulido. Available on-line at: <http://www.scribd.com/doc/14226792/MCCE-2009-Proceedings>.

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12 **Title of the work:** VPOET: Using a Distributed Collaborative Platform for Semantic Web Applications
Name of the conference: 2nd International Symposium on Intelligent Distributed Computing - IDC'2008.
Type of event: Conference   **Geographical area:** Non EU International
Type of participation: Participatory - oral communication   **Reasons for participation:** Review before acceptance
City of event: Catania, Italia,
Date of event: 18/09/2008
End date: 19/08/2008
City organizing entity: catania, Italy
Publication in conference proceedings: Yes   **With external admission assessment committee:** Yes

Type of contribution: Book chapter
M. Rico; D. Camacho; Ó. Corcho. En: Intelligent Distributed Computing, Systems and Applications. 162, pp. 167 - 176. Springer, Available on-line at: <http://dx.doi.org/10.1007/978-3-540-85257-5_17>. ISSN 1860-949X, ISBN 978-3-540-8

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13 **Title of the work:** BIRD: Descubrimiento e Integración de Información Biomédica con Servicios
Name of the conference: III Jornadas Científico-Técnicas en Servicios Web (JSWEB 2007)
Type of event: Conference   **Geographical area:** National
Reasons for participation: Review before acceptance
City of event: Zaragoza, Spain
Date of event: 12/09/2007
End date: 13/09/2007
With external admission assessment committee: Yes
Type of contribution: Scientific paper
J. M. Gómez; M. Rico; F. García-Sánchez.

14 **Title of the work:** Tecnologías de la Web Semántica aplicadas a la creación y personalización de interfaces de usuario

Name of the conference: VIII Congreso Internacional de Interacción Persona Ordenador. Interacción 2007.

Type of event: Conference   **Geographical area:** Non EU International

Type of participation: Participatory - oral communication   **Reasons for participation:** Review before acceptance

City of event: Zaragoza, Spain

Date of event: 11/09/2007

End date: 14/09/2007

Publication in conference proceedings: Yes   **With external admission assessment committee:** Yes

Type of contribution: Scientific paper

M. Rico; J.A. Macías. ISBN 978-84-9732-596-7

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15 **Title of the work:** BIRD: Biomedical Information Integration and Discovery with Semantic Web Services

Name of the conference: 2nd. International Worl-Conference on the Interplay between Natural and Artificial Computation (IWINAC-2007)

Type of event: Conference   **Geographical area:** Non EU International

City of event: La Manga del Mar Menor, Spain

Date of event: 18/06/2007

End date: 21/06/2007

With external admission assessment committee: Yes

Type of contribution: Book chapter

J.M. Gómez; M. Rico; F. García-Sánchez; Y. Liu; M.T. de Mell. "Bio-inspired Modeling of Cognitive Tasks". En: Lecture Notes in Computer Science. 4527, pp. 561 - 570. Springer, Available on-line at: <http://www.springer.com/computer/theoretical+computer+science/book/978-3-540-73052-1>. ISBN 978-3-540-73054-5

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16 **Title of the work:** Semi-automatic Web service generation

Name of the conference: IADIS WWW/Internet Conference (ICWI 2005)

Type of event: Conference   **Geographical area:** Non EU International

Reasons for participation: Review before acceptance

City of event: Lisboa, Portugal

Date of event: 19/10/2005

End date: 22/10/2005

With external admission assessment committee: Yes

Type of contribution: Scientific paper

J.M. Fuentes; M.A Corella; P. Castells; M. Rico. pp. 3 - 10. Available on-line at: <http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.144.4894>. ISBN 972-8924-02-X

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17 **Title of the work:** El tetraedro de Servicios Web Semánticos: Integración basada en Servicios Web SemánticosEl tetraedro de Servicios Web Semánticos: Integración basada en Servicios Web Semánticos

Name of the conference: I Jornadas Científico-Técnicas en Servicios Web (JSWEB 2005)

Type of event: Conference   **Geographical area:** National

Reasons for participation: Review before acceptance

City of event: Granada, Spain

Date of event: 13/09/2005

End date: 14/09/2005

With external admission assessment committee: Yes

Type of contribution: Scientific paper

J. M. Gómez; M. Rico; F. García; C.J. Acuña.Available on-line at: <http://www.w3c.es/Eventos/ServiciosWeb/agenda>. ISBN 84-9732-455-2

18 **Title of the work:** Generación semi-automática de servicios web
Name of the conference: I Jornadas Científico-Técnicas en Servicios Web (JSWEB 2005)
Type of event: Conference   **Geographical area:** National
Reasons for participation: Review before acceptance
City of event: Granada, Spain
Date of event: 13/09/2005
End date: 14/09/2005
With external admission assessment committee: Yes
Type of contribution: Scientific paper
J. M. Fuentes; M. A. Corella; P. Castells; M. Rico. ISBN 84-9732-455-2

19 **Title of the work:** Jacinta, primeros pasos hacia la interacción entre personas y Servicios Web semánticos
Name of the conference: VI Congreso en Interacción Persona-Ordenador (Interacción 2005)
Type of event: Conference   **Geographical area:** National
Type of participation: Participatory - oral   **Reasons for participation:** Review before
communication   acceptance
City of event: Granada, Spain
Date of event: 13/09/2005
End date: 16/09/2005
With external admission assessment committee: Yes
Type of contribution: Scientific paper
M. Rico; P. Castells. ISBN 84-9732-436-6

20 **Title of the work:** The Semantic Web Services Tetrahedron: Achieving Integration with Semantic Web Services
Name of the conference: International Conference on Web Engeneering (ICWE 2005)
Type of event: Conference   **Geographical area:** Non EU International
Reasons for participation: Review before acceptance
City of event: Sydney, Australia
Date of event: 27/07/2005
End date: 29/07/2005
With external admission assessment committee: Yes
Type of contribution: Book chapter
J. M. Gómez; M. Rico; F. García-Sánchez; C. J. Acuña."Web Engineering". En: Lecture Notes in Computer Science. 3579, pp. 334 - 339. Springer, Available on-line at: <http://dx.doi.org/ 10.1007/11531371_45>. ISSN 0302-9743, ISBN 978-3-540-27996-9

21 **Title of the work:** JACINTA: a Mediator Agent for Human-Agent Interaction in Semantic Web Services
Name of the conference: International Semantic Web Conference (ISWC) 2004. Selected Posters.
Type of event: Conference   **Geographical area:** Non EU International
Type of participation: 'Participatory - poster **Reasons for participation:** Review before
                                                  acceptance
City of event: Hiroshima, Japan
Date of event: 07/11/2004
End date: 11/10/2004
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Mariano Rico; Pablo Castells. Available on-line at: <http://iswc2004.semanticweb.org/posters/>.

22 **Title of the work:** GODO: Goal driven orchestration for Semantic Web Services
Name of the conference: 1st Workshop on WSMO Implementations
Type of event: Conference | **Geographical area:** Non EU International
Reasons for participation: Review before acceptance
City of event: Frankfurt, Germany
Date of event: 29/09/2004
End date: 30/09/2004
With external admission assessment committee: Yes
Type of contribution: Scientific paper
Juan Miguel Gómez; Mariano Rico; Francisco García; Christoph Bussler.Available on-line at: <http://ceur-ws.org/Vol-113>. ISSN 1613-0073

23 **Title of the work:** Aplicación de tecnologías de la Web Semántica a la gestión de información financiera y económica
Name of the conference: V Congreso Interacción Persona Ordenador (Interacción 2004)
Type of event: Conference | **Geographical area:** National
Reasons for participation: Review before acceptance
City of event: Lleida, Spain
Date of event: 03/05/2004
End date: 07/05/2004
With external admission assessment committee: Yes
Type of contribution: Scientific paper
J. Bravo; C. Carranza; P. Castells; J.M. Fuentes; M. Rico; J. L. Alonso; B. Foncillas; J.M Rodríguez; R. Lara.Available on-line at: <http://griho2.udl.es/i2004/index.htm>. ISBN 84-609-1266-3

24 **Title of the work:** Neptuno: tecnologías de la web semántica para una hemeroteca digital
Name of the conference: V Congreso Interacción Persona Ordenador (Interacción 2004)
Type of event: Conference | **Geographical area:** National
Type of participation: Participatory - oral communication | **Reasons for participation:** Review before acceptance
City of event: Lleida, Spain
Date of event: 03/05/2004
End date: 07/05/2004
With external admission assessment committee: Yes
Type of contribution: Scientific paper
P. Castells; E. Pulido; C. Carranza; M. Rico; F. Perdrix; E. Piqué; J. Cal; R. Benjamins; J. Contreras; J. Lorés; T. Granollers.Available on-line at: <http://griho2.udl.es/i2004/index.htm>. ISBN 84-609-1266-3

25 **Title of the work:** Uso de escenarios aplicados a la Ingeniería de los Requisitos para la creación de una hemeroteca digital
Name of the conference: V Congreso Interacción Persona Ordenador (Interacción 2004)
Type of event: Conference | **Geographical area:** National
Reasons for participation: Review before acceptance
City of event: Lleida, Spain
Date of event: 03/05/2004
End date: 07/05/2004
With external admission assessment committee: Yes
Type of contribution: Scientific paper
F. Perdrix; E. Piqué; J. Cal; P. Castells; E. Pulido; M. Rico; J. Lorés; T. Granollers; M. González; J. Badia.Available on-line at: <http://griho2.udl.es/i2004/index.htm>. ISBN 84-609-1266-3

26 **Title of the work:** Semantic Web Technologies for Economic and Financial Information Management
Name of the conference: 2nd International Semantic Web Conference (ISWC'03)
Type of event: Conference   **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Fort Myers, United States of America
Date of event: 20/10/2003
End date: 23/10/2003
With external admission assessment committee: Yes
Type of contribution: Scientific paper
J. L. Alonso; C. Carranza; P. Castells; B. Foncillas; R. Lara; M. Rico.Available on-line at:
<http://iswc2003.semanticweb.org/acceptedposters.txt>.

Works submitted to national or international seminars, workshops and/or courses

1 **Title of the work:** Open Data Sevilla
Name of the event: II Jornadas Gobierno Abierto y Opendata Sevilla
Type of event: Seminar
Reasons for participation: Upon invitation
Date of event: 11/2012
Organising entity: Universidad Pablo de Olavide   **Type of entity:** University
City organizing entity: Sevilla, Mariano Rico Almodóvar, Spain
Mariano Rico Almodóvar. "DBpedia como fuente de datos abiertos en español".

2 **Title of the work:** Ponente en Curso de Verano de la UPM (invitado por Óscar Corcho)
Name of the event: Linked-data:-¿oportunidad o riesgo?
Type of event: Seminar
Date of event: 2010
Organising entity: Universidad Politécnica de   **Type of entity:** University
Madrid
City organizing entity: El Escorial, , Spain
"Práctica con APIs de manejo de ontologías".

3 **Title of the work:** I Jornadas de mapeos DBpedia
Type of event: Workshop
Reasons for participation: Upon invitation
Geographical area: National
Organising entity: Universidad Politécnica de   **Type of entity:** University
Madrid
City organizing entity: Cercedilla, , Spain
"Mapeos en es.DBpedia".

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

1   **Committee title:** Revisor de congreso Internacional: 13th International Conference on Web Information System Engineering (WISE 2012)
Primary (UNESCO code): 120317 - Informatics
Start date: 2012

2   **Committee title:** Revisor de congreso Internacional: IEEE Engineering Education Conference 2013
Primary (UNESCO code): 120317 - Informatics
Start date: 2012

3   **Committee title:** Revisor de revista Internacional: International Journal On Semantic Web and Information Systems (IJSWIS)
Primary (UNESCO code): 120317 - Informatics
Start date: 2012

4   **Committee title:** Revisor de congreso Internacional: IEEE Engineering Education Conference 2012
Primary (UNESCO code): 120317 - Informatics
Start date: 2011

5   **Committee title:** Revisor de congreso Internacional: IEEE Engineering Education Conference 2010
Primary (UNESCO code): 120317 - Informatics
Start date: 2010

6   **Committee title:** Revisor de congreso Internacional: International Conference on Intelligent User Interfaces (IUI 2008)
Primary (UNESCO code): 120317 - Informatics
Start date: 2008

7   **Committee title:** Revisor de congreso nacional: IV Jornadas Científico Técnicas en Servicios Web y SOA (JSWEB 2008)
Primary (UNESCO code): 120317 - Informatics
Start date: 2008

8   **Committee title:** Revisor de congreso nacional: III Jornadas Científico Técnicas en Servicios Web y SOA (JSWEB 2007)
Primary (UNESCO code): 120317 - Informatics
Start date: 2007

9   **Committee title:** Revisor de congreso nacional: II Jornadas Científico Técnicas en Servicios Web y SOA (JSWEB 2006)
Primary (UNESCO code): 120317 - Informatics
Start date: 2006

Organization of R&D activities

1   **Title of the activity:** I Jornadas de Mapeos DBpedia
     Type of activity: Organización de las Jornadas   **Geographical area:** National
     Convening entity: Red Temática de LinkedData
     City convening entity: Madrid, Community of Madrid, Spain
     Type of participation: Organiser
     Nº assistants: 15
     Start date: 2011   **Duration:** 2 days

2   **Title of the activity:** IV Jornadas de Iniciación a la Universidad. Taller de mundos virtuales
     Type of activity: Taller de mundos virtuales   **Geographical area:** Regional
     Convening entity: Universidad Autónoma de Madrid   **Type of entity:** University
     Type of participation: Organiser
     Nº assistants: 60
     Start date: 2010

3   **Title of the activity:** III Jornadas de Iniciación a la Universidad. Taller de mundos virtuales
     Type of activity: Taller de mundos virtuales   **Geographical area:** Regional
     Convening entity: Universidad Autónoma de Madrid   **Type of entity:** University
     Type of participation: Organiser
     Nº assistants: 60
     Start date: 2009

R&D management

     Name of the activity: Jefe de Proyectos
     Type of management: Management of R&D&I actions and projects
     Performed tasks: Dirección y coordinación de Proyectos de desarrollo software
     Entity: Telefónica I+D
     Start date: 18/09/1998   **Duration:** 4 years - 5 months - 11 days
     Nº of people: 10
     Geographical area: National
     Identify key words: Systems interconnection; Information technology industry

National and international forums and committees

1   **Name of the forum:** DBpedia Internationalization Committee
     Professional category: Resposible for the Spanish Chapter
     Organising entity: DBpedia   **Type of entity:** Associations and Groups
     City organizing entity: Berlin, Germany
     Start date: 2011

2   **Name of the forum:** LinkingOpenData
     Professional category: Group (OEG-UPM) representant
     Organising entity: W3C
     Start date: 2010

Other achievements

Stays in public or private R&D centres

1   **Entity:** Universidad de Bielefeld, Alemania   **Type of entity:** Public Research Body
Faculty, institute or centre: CITEC
City of entity: Bielefeld, Germany
Start-End date: 01/07/2015 - 30/09/2015   **Duration:** 3 months
Funding entity: Ministerio de Economía y   **Type of entity:** State agency
Competitividad. Programa José Castillejo.
City funding entity: Ministerio de Economía y Competitividad, Spain
Name of programme: José Castillejo
Goals of the stay: Post-doctoral
Provable tasks: Investigación en Lingüística y Linked Data
Relevant results: Fase 1 del desarrollo de un sistema de guiado en pseudo lenguaje natural para consultar repositorios de datos enlazados

2   **Entity:** Universidad de Bielefeld, Alemania   **Type of entity:** Public Research Body
Faculty, institute or centre: CITEC
City of entity: Bielefeld, Germany
Start-End date: 01/07/2014 - 28/07/2014   **Duration:** 28 days
Funding entity: Universidad de Bielefeld
City funding entity: Germany
Goals of the stay: Post-doctoral
Provable tasks: Investigación en Lingüística y Linked Data
Relevant results: Lexicalización en español de DBpedia

3   **Entity:** Frei Universitat   **Type of entity:** University
City of entity: Berlin, Germany
Start-End date: 2011 - 2011   **Duration:** 1 month
Goals of the stay: Doctorate
Provable tasks: research and development of the Spanish version of DBpedia

4   **Entity:** Digital Enterprise Research Institute (DERI)   **Type of entity:** R&D Centre
City of entity: Galway, Ireland
Start date: 28/09/2005   **Duration:** 5 months
Goals of the stay: Doctorate
Provable tasks: Semantic Wikis

5   **Entity:** Digital Enterprise Research Institute (DERI)   **Type of entity:** R&D Centre
City of entity: Galway, Ireland
Start date: 2004   **Duration:** 2 months
Goals of the stay: Doctorate
Provable tasks: Human-computer Interaction in Semantic Web Applications

Obtained grants and scholarships

1 **Name of the grant:** Estancias José Castillejo
Aims: Post-doctoral
Awarding entity: Ministerio de Economía y Competitividad   **Type of entity:** State agency
Conferral date: 2014   **Duration:** 3 months
End date: 2015
Entity where activity was carried out: Universidad de Bielefeld, Alemania
Faculty, institute or centre: Center of Excellence Cognitive Interaction Technology (CITEC)

2 **Name of the grant:** Beca predoctoral competitiva: Campus de excelencia 2005
Aims: Pre-doctoral
Awarding entity: Universidad de las Palmas de Gran **Type of entity:** University
Canaria
Conferral date: 10/06/2005   **Duration:** 7 days
End date: 17/06/2005
Entity where activity was carried out: See http://www.campusdeexcelencia.info/index.php

3 **Name of the grant:** Beca de doctorado
Aims: Pre-doctoral
Awarding entity: Instituto de Ingeniería del Conocimiento   **Type of entity:** Innovation and Technology Centres
Conferral date: 01/01/1994   **Duration:** 1 year
End date: 01/01/1995
Entity where activity was carried out: Instituto de Ingeniería del Conocimiento

Co-operation networks

1 **Name of the network:** Red Temática de Linked Data
Identification of the network: TIN2010-10811-E
Start date: 01/2011   **Duration:** 2 years

2 **Name of the network:** Red Temática de Web Semántica
Identification of the network: TSI2006-26928-E
Start date: 11/2006   **Duration:** 2 years

Prizes, mentions and distinctions

Description: Best paper award in area "Infrastructure and Technologies for Engineering Education" at International Conference EDUCON 2012
Awarding entity: EDUCON 2012 Steering Commitee
City awarding entity: marrakesh, Morocco
Conferral date: 2012
Recognition linked: See http://www.educon-conference.org/educon2012/awards.htm#bestpaperawards

Other distinctions (professional or business career)

1   **Description:** Jefe de Proyectos de I+D
    Awarding entity: Telefónica I+D   **Type of entity:** Business
    City awarding entity: Madrid, Community of Madrid, Spain
    Conferral date: 18/09/1998

2   **Description:** Arquitecto de software
    Awarding entity: Telefónica I+D   **Type of entity:** Business
    City awarding entity: Madrid, Community of Madrid, Spain
    Conferral date: 01/06/1995

3   **Description:** Ingeniero del conocimiento
    Awarding entity: Instituto de Ingeniería del   **Type of entity:** Innovation and Technology Centres
    Conocimiento
    City awarding entity: Madrid, Community of Madrid, Spain
    Conferral date: 01/01/1995

Obtained accreditations/recognitions

1   **Description:** Acreditación de Profesor Titular de Universidad (PTU) por ANECA
    Accrediting entity: Agencia Nacional de Evaluación **Type of entity:** Agencia de Evaluación
    de la Calidad y Acreditación
    Date of recognition: 24/09/2012

2   **Description:** Acreditación de Profesor Contratado Doctor
    Accrediting entity: Agencia de Calidad, Acreditación y Prospectiva de las Universidades de Madrid (ACAP)
    City accrediting entity: Madrid, Community of Madrid, Spain
    Date of recognition: 01/2010

3   **Description:** Acreditación de Profesor Ayudante Doctor
    Accrediting entity: Agencia de Calidad, Acreditación y Prospectiva de las Universidades de Madrid (ACAP)
    City accrediting entity: Madrid, Community of Madrid, Spain
    Date of recognition: 10/2009

4   **Description:** Acreditación de Profesor Ayudante Doctor de Universidad Privada
    Accrediting entity: Agencia de Calidad, Acreditación y Prospectiva de las Universidades de Madrid (ACAP)
    City accrediting entity: Madrid, Community of Madrid, Spain
    Date of recognition: 10/2009

Summary of other achievements

1   **Description of the achievement:** Citation metrics by Google Scholar (using Publish or Perish 3, or see http://scholar.google.com/citations?user=hl5WPQEAAAAJ): Papers:33, Citations:191, Authors/paper:3.22/3.0/3, h-index:6
Conferral date: 19/11/2012

2   **Description of the achievement:** Citation metrics by ISI-WOK (query RID=A-5566-2008): 13 publications indexed by ISI, with 24 citations. H-index = 3. See http://www.researcherid.com/rid/A-5566-2008
Conferral date: 19/11/2012