



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Gema Herrero Corral**
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E-mail(s) gemaheco@gmail.com
Nationality Spanish
Date of birth 08/04/1981
Gender Female

Desired employment / Occupational field **Research and development department**

Work experience

Dates	20/03/2007 - 28/02/2011
Occupation or position held	Researcher
Main activities and responsibilities	List, classification and analysis of legal documents related to wildfires at international level (Europe and North African countries). Recommendations to achieve an integrated wildland fire management through policy instruments. Fire risk analysis linked to wildland urban interface areas.
Name and address of employer	Universidad Complutense de Madrid
Type of business or sector	Forestry and Risk
Dates	21/09/2009 - 21/12/2009
Occupation or position held	Researcher
Main activities and responsibilities	Adaptation of a method designed by CEMAGREF to delimit and characterize fire prone areas (wildland urban interfaces) according to the Spanish context.
Name and address of employer	CEMAGREF (Aix-en-Provence, France)
Type of business or sector	International research project
Dates	20/03/2006 - 20/03/2007
Occupation or position held	Researcher
Main activities and responsibilities	Research and management activities associated to the European Project FIRE PARADOX. VI Framework Programme of the European Commission for Research and Technology Development.
Name and address of employer	Fundación General de la UCM
Type of business or sector	International research management
Dates	16/05/2005 - 28/02/2006
Occupation or position held	Quality control technician
Main activities and responsibilities	Consultancy and quality control assistance to the council of Madrid on public routes, lighting and urban staff.
Name and address of employer	INYPSA, S.A. General Díaz Polier 49, madrid (Spain)
Type of business or sector	Auditing

Dates	21/08/2004 - 30/08/2004
Occupation or position held	Environmental technician
Main activities and responsibilities	Flora and fauna inventories in Ordesa & Monte Perdido National Park (Huesca).
Name and address of employer	GAIA Clara del Rey 55, (Spain)
Type of business or sector	Conservation and Management of Biodiversity
Dates	16/08/2003 - 31/08/2003
Occupation or position held	Environmental technician
Main activities and responsibilities	Endemic Recovery Program in Caldera de Taburiente National Park (La Palma, Canary Islands)
Name and address of employer	SEO/Birdlife
Type of business or sector	Nature Conservation Organism
Education and training	
Dates	01/10/2007 - 15/07/2011
Title of qualification awarded	PhD
Principal subjects / occupational skills covered	Thesis title: <i>"Wildland-urban interfaces as new fire prone areas in Spain: analysis and characterization."</i> Related keywords: Risk assessment, forest fires, vulnerability, Geographic Information Systems & Remote sensing, Assessment of the policy instruments related with risk forest fires to population.
Name and type of organisation providing education and training	Universidad Autónoma de Madrid (Spain)
Level in national or international classification	LEVEL 6- SECOND STAGE OF TERTIARY EDUCATION. LEADING TO AN ADVANCED RESEARCH QUALIFICATION
Dates	01/10/2004 - 15/12/2006
Title of qualification awarded	MPHI
Principal subjects / occupational skills covered	Project to achieve the Research Proficiency: <i>"Natura 2000 Network in Spain: assessment of its implementation at regional scale and new approaches for management"</i> .
Name and type of organisation providing education and training	Universidad Autónoma de Madrid (Spain)
Level in national or international classification	LEVEL 6- SECOND STAGE OF TERTIARY EDUCATION. LEADING TO AN ADVANCED RESEARCH QUALIFICATION
Dates	15/05/2008 - 01/07/2008
Title of qualification awarded	Specialisation
Principal subjects / occupational skills covered	Geographic Information Systems applied to Environmental Management: GIS Technician applied on environmental management: vectorial and raster analysis. Remote Sensing Technician applied to the development of environmental projects.
Name and type of organisation providing education and training	Universidad Politécnica de Madrid (University) (Spain)
Level in national or international classification	Specialisation course post-university studies
Dates	01/10/2002 - 01/07/2003
Title of qualification awarded	Master to complete Bachelor degree on Environmental Sciences
Principal subjects / occupational skills covered	Sustainable development, Soil remediation, Environmental Impact of Global Change, Soil Erosion and Soil Conservation, Structural economical problems of 3rd world countries.
Name and type of organisation providing education and training	Gent Universiteit (University) Gent (Belgium)

Level in national or international classification

LEVEL 5. FIRST STAGE OF TERTIARY EDUCATION

Dates

01/10/1999 - 30/06/2002

Title of qualification awarded

Bachelor of Environmental Sciences

Principal subjects / occupational skills covered

Chemistry, Maths, Environmental Laws, Environmental Impact Assessment, Geographic Information Systems and Remote Sensing, Ecology, Statistics,

Name and type of organisation providing education and training

Universidad Autonoma de Madrid (University) Madrid (Spain)

Level in national or international classification

LEVEL 5. FIRST STAGE OF TERTIARY EDUCATION

Personal skills and competences

Mother tongue(s)

Spanish

Other language(s)

Self-assessment
European level (*)

English
French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	C1	Proficient user	B2	Independent user	B2	Independent user
B1	Independent user	B2	Independent user	B1	Independent user	A2	Basic User	A2	Basic User

(*) [Common European Framework of Reference \(CEF\) level](#)

Computer skills and competences

Microsoft Office collection (Word, Excel, Power point)
Geographic Information System ArcGIS 9.3.
Remote sensing analysis ERDAS Imagine.
Statistical software SPSS 17.0.
Content management system (CMS) to build websites JOOMLA 1.5.
Bibliographic databases tool ENDNOTE 9.
Image manipulation programme GIMP 2.6.

Driving licence(s)

B

Additional information

PUBLICATIONS:

GALIANA, L; HERRERO, G; SOLANA, J. (2011): "A wildland-urban interface typology for forest fire risk management in Mediterranean areas". Landscape research journal. Vol 36, nº 2. pp. 151-171.

MONTIEL, C.; HERRERO, G. (2010): "An overview of policies and practices related to fire ignitions at the European Union level". En: Sande, J.; Rego, F.; Fernandes, P.; Rigolot, E. (eds). Towards Integrated Fire Management. Outcomes of the European Project Fire Paradox. Finland: European Forest Institute. Pp. 35-46.

LAMPIN-MAILLET, C.; MANTZAVELAS, A.; GALIANA, L.; JAPPIOT, M.; LONG, M.; HERRERO, G.; KARLSSON, O.; IOSSIFINA, A. THALIA, L. THANASSIS, P. (2010): "Wildland urban interfaces, fire behaviour and vulnerability: characterization, mapping and assessment". En: Sande, J.; Rego, F.; Fernandes, P.; Rigolot, E. (eds). Towards Integrated Fire Management. Outcomes of the European Project Fire Paradox. Finland: European Forest Institute. Pp.71-92.

LAMPIN-MAILLET, C.; BOUILLON, C.; LONG, M.; MORGE, D.; JAPPIOT, M.; HERRERO-CORRAL, G.; GALIANA, L.; MANTZAVELAS, A. (2010): "A technical guide for end-users to map and describe wildland-urban interfaces in European Mediterranean wildfirerisk context". 6th International Conference on Forest Fire Research. Coimbra. 15-18 November, 2010.

MONTIEL, C.; SOLANA, J.; HERRERO, G. (2009): "Sistemas de detección de incendios forestales en España". Revista Montes nº 9. pp 89-95.

HERRERO, G. (2009): "Assessment of the Growing Importance of Wildland-Urban Interface in Fire

Risk Management: WUI Regional Patterns in Spain". En: Proceedings of the III International Symposium on Fire Economics, Planning and Policy: Common Problems and Approaches. Gen. Tech. Rep. PSW-GTR-227. Albany, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station. Puerto Rico. 29 Abril- 2 Mayo, 2008. Pp. 238-248.

COLAÇO, M.C.; REGO, F.; MONTIEL, C.; SOLANA, J.; HERRERO, G.; ALEXANDRIAN, D.; UBYSZ, B.; SZCZYGIEL, R.; PIWNICK, J.; SESBOU, A. (2009): "Review of the Existing Fire Detection Systems in Europe and North Africa". En: Proceedings of the III International Symposium on Fire Economics, Planning and Policy: Common Problems and Approaches. Gen. Tech. Rep. PSW-GTR-227. Albany, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station. Puerto Rico. 29 Abril- 2 Mayo, 2008. pp. 227-237.

HERRERO, G. LÁZARO, A.; MONTIEL, C. (2009): "A Comparative Assessment of the European Forest Policies and Their Influence in Wildfire Management". En: Proceedings of the III International Symposium on Fire Economics, Planning and Policy: Common Problems and Approaches. Gen. Tech. Rep. PSW-GTR-227. Albany, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station. Puerto Rico. 29 Abril- 2 Mayo, 2008. pp. 273-284.

LÁZARO, A., HERRERO, G., MONTIEL, C., MOLINA, D. (2008): "Organización de la defensa contra incendios forestales en el Estado de las Autonomías: el caso español". Revista Forestal Española nº40. pp 13-20.

HERRERO, G. (2008): "Configuración de la Red Natura 2000 en España. Análisis comparativo por Comunidades Autónomas". Anales de Geografía de la Universidad Complutense. Vol. 28, nº 2. pp 85-109.

GALIANA, L.; HERRERO, G.; SOLANA, J. (2007): "Caracterización y clasificación de Interfaces Urbano-Forestales mediante análisis paisajístico. El ejemplo de Sierra Calderona (Comunidad Valenciana, España)". En: Actas de la IV Conferencia Internacional sobre Incendios Forestales. Sevilla. 13-17 Mayo, 2007. Madrid: Organismo Autónomo de Parques Nacionales, Ministerio de Medio Ambiente (CD-ROM).

LAMPIN, C.; JAPPIOT, M.; LONG M.; MORGE, D.; BOUILLON, C.; GALIANA, L.; HERRERO, G.; SOLANA, J.; MANTZAVILAS, A.; LAZARIDOU, TH.; PARTOZIS, TH.; LODDO, G.; DELOGU, G.; BRIGALIA, S., DETTORI, G. (2007): "Characterization and mapping of wildlandurban- interfaces: a methodology applied in the case study area in Sardinia". En: Actas de la IV Conferencia Internacional sobre Incendios Forestales. Sevilla. 13-17 Mayo, 2007. Madrid: Organismo Autónomo de Parques Nacionales, Ministerio de Medio Ambiente (CD-ROM).

FERRERAS, C.; GALIANA, L.; YAGÜE, J.; HERRERO, G.; LAZARO, A.; SOLANA, J. (2006): "Biodiversidad, incendios y gestión en el parque natural de Sierra Calderona". En: VI Encontro Alfa de Fitossociologia: Biodiversidade, vegetação e instrumentos de conservação. Azores. 27-30 Septiembre, 2006.

HERRERO, G; LAZARO, A; SOLANA, J. & GALIANA, L (2006): "Incendios e interfaces urbano-forestales en Sierra Calderona". En: Libro de Resúmenes del IV Congreso Español de Biogeografía Ávila. 19-22 Septiembre 2006. pp. 95. ISBN: M-38014-2006.

Annexes

ATTENDANCE AND PARTICIPATION ON CONFERENCES AND COURSES

Course on Forest fire prevention, DG. Biodiversity. Ministry of Environment (120h). April 2008.

Summer course Forest fires: an unavoidable summer catastrophe?, Universidad Complutense de Madrid (30h). July 2008.

Summer course Strategies for forest fire prevention, Universidad Politécnica de Madrid (12h). July 2006.

Course on Workplace Risk Prevention, Adecco Formación, S.A. January 2004.

Course on Integrated quality and environment management systems, Escuela de Estudios Ambientales (160h). December 2004.

Course on Gestión de proyectos de asesoría y auditoría ambiental, Unión de Cooperativas Madrileñas de Trabajo Asociado (350h). April 2004.

Course on Environmental Impact Assessment, Asociación Española de Evaluación de Impacto Ambiental (50h). November 2004.

Course on Gestión de espacios naturales, fundación FIDA (50h). November 2003.

Attendance at the 5º Spanish Forest Congress. Ávila, September 2009.

Attendance at the 1st South American Symposium of Fire Ecology and Management. Puerto Madryn,

Argentina, June 2009.

Attendance at the Fire fighters technical conference: Capacidad de gestión de los incendios forestales. Girona, 18 y 19 November de 2009.

Participation with poster and paper at the III International Symposium on Fire Economics, Planning and Policy: Common Problems and Approaches (Carolina, Puerto Rico). April 29 - May 2, 2008.

Participation with oral presentation at the IV International Conference on Forest fires: "Caracterización y clasificación de Interfaces Urbano-Forestales mediante análisis paisajístico", Seville 2007.

Participation with poster and oral presentation at the IV Congreso español de Biogeografía: "Incendios e interfaces urbano-forestales en Sierra Calderona", Ávila 2006.

Participation with oral presentation at the European rural future: landscape as an interface: "Forest fire risk management: understanding the wildland-urban interface", Berlín-Brandenburg, Alemania, 4-9 September 2006.

Attendance at the Technical conference: SIG y Teledetección en el ámbito de la Ingeniería Forestal y del Medio Natural. Escuela Universitaria de Ingeniería Técnica Forestal de Madrid, 2006.

Attendance at the Forest fires conference: Antes del fuego: soluciones a los incendios forestales en España. Fundación Biodiversidad, 2006.

Attendance at the seminar: Los incendios forestales en el Mediterráneo: nuevas aproximaciones para una problemática antigua. Casa de Velázquez (Madrid), 2006.

Participation in the interdisciplinary seminar Sustainability and Territory: from the analysis towards the intervention, Universidad Autónoma de Madrid, junio 2005.

Annual ESRI-España Conference in Madrid (2006, 2007, 2009 & 2010).