



María Cristina Vega García

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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.

Associate Professor at Universidad de Lleida since 2007, research work in landscape structure and dynamics, land abandonment processes, forest management, neural network models for forestry applications, risk evaluation and fire occurrence prediction, remote sensing for forests, which have produced SCI publications and conference oral communications and posters.

Experience in BSc, MSc and PhD supervision in national and international Erasmus mundus programmes (8 MSc in the last 5 years). PhD theses: Angelo Nieto Vivas (13/02/2013), Sergi Costafreda-Aumedes (17/02/2017), Fermín Alcasena (25/06/2019), Pere Gelabert (25/10/2022), Iris Monfort (expected 2022), Bountouraby Balde (expected 2022). Tutor of a Juan de la Cierva-Formación Conv. 2016 (2018-2019) for Marcos Rodrigues Mimbrero (FJCI-2016-31090). Tutor of a Juan de la Cierva-Formación Conv. 2020 (2021-2022) for Andrea Duane (CTFC). Tutor Margarita Salas (2021-2022) for Adrián Jiménez Ruano, UZaragoza. Tutor Maria Zambrano (2021-2023) for Fermín Alcasena Urdíroz (USDA Forest Service). Responsible for many grants (9 in the last 4 years) for invited researchers under different programmes (Erasmus mundus, Erasmus+ K107, UdL Mobility, La Caixa), and recipient of funded international academic visits (Erasmus, Erasmus+, other) to Sweden, Finland, China, Indonesia, Ukraine, Lebanon, Kazakh in the last ten years.

Scopus Author ID: 23101662300; 49 docs; Scopus Cit.: 1401 in 980 docs; h-index: 19

WoS ResearcherID: 51 publicaciones; Citas 1323 in 833 docs; h-index: 18

Researchgate: h-index 23, 2.150 citations.

Publicaciones SCI 2016-2020: 23 SCI (20 Q1)

Author of more than 75 publications (+45 SCI, book chapters-reports, invited conferences and communications in national and international events). Research Group Interinstitucional (UdL-CTFC) FORADAPT (Adaptive management and forest dynamics), SGR-Cat 2021 Generalitat de Catalunya. Reviewer for SCI journals, (Natural Hazards, Int.J. Wildland Fire, J.Env.Management, Landscape and Urban Planning, Int. J.Geographical Information Science, Forest Systems, Env.Management, C.J.Remote Sensing, Risk Analysis, Forests, Remote Sensing). Reviewer in the last 5 years for MICINN, AQU Catalunya (Beatriu de Pinós), U.S.-Israel Binational Science Foundation, NSERC Canada, Fundação para a Ciência e a Tecnologia, I.P. (FCT), UK-Natural Environment Research Council (NERC). Joined in 2019 the International Union of Forest Research Organizations (IUFRO) Task force "Fire\$: Economic drivers of global wildland fire activity".

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.

Scopus Author ID: 23101662300; 49 docs; Scopus Cit.: 1401 in 980 docs; h-index: 19

WoS ResearcherID: 51 publicaciones; Citas 1323 in 833 docs; h-index: 18

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PhD theses: Angelo Nieto Vivas (13/02/2013), Sergi Costafreda-Aumedes (17/02/2017), Fermín Alcasena (25/06/2019), Pere Gelabert (25/10/2022), Iris Monfort (expected 2022), Bountouraby Balde (expected 2023). Tutor of a Juan de la Cierva-Formación Conv. 2016 (2018-2019) for Marcos Rodrigues Mimbrero (FJCI-2016-31090). Tutora de Juan de la Cierva-Formación Conv. 2020 (2021-2022) for Andrea Duane (CTFC). Tutora Margarita Salas (2021-2022) for Adrián Jiménez Ruano, UZaragoza. Tutora Maria Zambrano (2021-2023) for Fermín Alcasena Urdíroz (USDA Forest Service).

María Cristina Vega García

Surname(s): Vega García
Name: María Cristina
DNI: [REDACTED]
ORCID: 0000-0002-9249-0371
ScopusID: 23101662300
ResearcherID: M-2023-2013
Date of birth: [REDACTED]
Gender: Female
Nationality: Spain
Country of birth: Spain
Aut. region/reg. of birth: Community of Madrid
City of birth: Madrid
Contact address: [REDACTED]
Rest of contact address: ETSE Agraria
Postcode: 25198
Contact country: Spain
Contact city: Lleida
Land line phone: [REDACTED]
Email: cristina.vega@udl.cat
Mobile phone: [REDACTED]
Personal web page: <http://www.eagrof.udl.cat/es/personal/PDI/vega.html>

Current professional situation

Employing entity: University of Lleida (UdL) **Type of entity:** University
Department: ETSE Agraria
Professional category: Associate Professor
Start date: 10/05/2007
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 310600 - Forestry
Performed tasks: Full time Associate Professor

Employing entity: Universidad de Lleida **Type of entity:** University
Department: ETSE Agraria
Professional category: Profesora Titular de Universidad
Start date: 10/05/2007
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 310600 - Forestry
Performed tasks: Profesora Ordenación de Montes y Ecología del Paisaje, Grado y Master

Previous positions and activities

	Employing entity	Professional category	Start date
1		Profesora Titular de Universidad	10/05/2007

	Employing entity	Professional category	Start date
	Escuela Técnica Superior de Ingeniería Agraria, Universidad de Lleida		
2	Escuela Técnica Superior de Ingeniería Agraria, Universidad de Lleida	Profesora Titular de Escuela Universitaria	06/04/1999
3	Escuela Técnica Superior de Ingeniería Agraria, Universidad de Lleida	Profesora Asociada a Tiempo Completo	14/11/1994
4	Dep.Geografía, Universidad de Alcalá, Madrid	Becaria FPI Ministerio de Educación y Ciencia SPB Formación de Posgrado Extranjero	01/01/1994
5	Dep.Forest Science-University of Alberta, Canada & Forestry Canada	Becaria FPI Ministerio de Educación y Ciencia SPB Formación de Posgrado Extranjero	01/09/1990

1 **Employing entity:** Escuela Técnica Superior de Ingeniería Agraria, Universidad de Lleida
Professional category: Profesora Titular de Universidad
Start date: 10/05/2007

2 **Employing entity:** Escuela Técnica Superior de Ingeniería Agraria, Universidad de Lleida
Professional category: Profesora Titular de Escuela Universitaria
Start date: 06/04/1999 **Duration:** 8 years - 1 month - 5 days

3 **Employing entity:** Escuela Técnica Superior de Ingeniería Agraria, Universidad de Lleida
Professional category: Profesora Asociada a Tiempo Completo
Start date: 14/11/1994 **Duration:** 4 years - 4 months - 24 days

4 **Employing entity:** Dep.Geografía, Universidad de Alcalá, Madrid
Professional category: Becaria FPI Ministerio de Educación y Ciencia SPB Formación de Posgrado Extranjero
Start date: 01/01/1994 **Duration:** 8 months

5 **Employing entity:** Dep.Forest Science-University of Alberta, Canada & Forestry Canada
Professional category: Becaria FPI Ministerio de Educación y Ciencia SPB Formación de Posgrado Extranjero
Start date: 01/09/1990 **Duration:** 3 years - 4 months



Education

University education

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

- 1** **University degree:** Diplomatura / Licenciatura / Grado
Name of qualification: Master of Science (MSc) in Forest science
Degree awarding entity: Forest Science Dept. **Type of entity:** University
 University of Alberta.Canada.
Date of qualification: 09/06/1994
Average mark: Excellent
- 2** **University degree:** Diplomatura / Licenciatura / Grado
Name of qualification: Ingeniero de Montes, especialidad Silvopascicultura.
Degree awarding entity: E.T.S.I. de Montes. Universidad Politécnica de Madrid.
Date of qualification: 05/01/1989
Average mark: Excellent

Doctorates

Doctorate programme: Doctora Ingeniero en Geodesia y Cartografía
Degree awarding entity: Departamento de Geografía. Universidad de Alcalá
Date of degree: 25/07/2003

Other postgraduate university studies

Type of education: Postgraduate
Postgraduate qualification: Statistical analysis of geospatial data for environmental studies
Degree awarding entity: CIHEAM-IAMZ **Type of entity:** University
Date of qualification: 11/06/2012

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Mandarin Chinese	A1		A1	A1	
English	C1	C1	C1	C1	C1



Teaching experience

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** MSc MEDfOR The impact of the armed conflict on the forest cover in Syria
Type of project: Trabajo Fin de Master
Entity: Universitat de Lleida **Type of entity:** University
Student: Angham
Obtained qualification: Excelente 9
Date of reading: 04/11/2020
- 2** **Project title:** MScEF Planning evacuation routes for wildfires in Central Catalonia by analysing transport networks under extreme fire behaviour.
Type of project: MSc thesis
Co-director of thesis: Marcos Rodrigues Mimbbrero
Entity: Universitat de Lleida **Type of entity:** University
Student: Matheus Soares
Date of reading: 28/07/2020
- 3** **Project title:** MScEF Analysis of the management interventions for forest fire prevention in “ZAP” (Zones d’Actuació Prioritària) of Province of Barcelona
Entity: Universitat de Lleida **Type of entity:** University
Student: Prakash Nepal
Date of reading: 07/07/2020
- 4** **Project title:** Wildfire Risk Management in Southern European Landscapes
Type of project: Doctoral thesis
Co-director of thesis: Cristina Vega Garcia
Entity: Universitat de Lleida
Student: Fermín Alcasena Urdiroz
Obtained qualification: Sobresaliente cum laude
Date of reading: 2019
European doctorate: Yes **Date of recognition:** 25/06/2019
Quality recognition: Yes **Date of award:** 25/06/2019
- 5** **Project title:** MSc MEDfOR Key local landscape and stand structure variables explain biodiversity of Mediterranean forest in Catalonia, Spain
Type of project: Trabajo Fin de Master
Entity: Universitat de Lleida **Type of entity:** University
Student: Siba Ghadban
Obtained qualification: Excelente 9
Date of reading: 25/09/2018
- 6** **Project title:** Comparison of sustainable forest management on the VPA and FSC in Cameroon.
Type of project: Trabajo Fin Master
Entity: Universitat de Lleida **Type of entity:** University
Student: Giovana Logullo
Obtained qualification: Sobresaliente 9



Date of reading: 20/10/2017

- 7** **Project title:** Estimación de emisiones GEI procedentes de grandes incendios forestales en los últimos diez años en CataluñaUNYA.
Type of project: Trabajo Fin de Master
Entity: Universitat de Lleida **Type of entity:** University
Student: Bountouraby Balde
Obtained qualification: Sobresaliente 9
Date of reading: 20/07/2017
- 8** **Project title:** Modelización de la ocurrencia de incendios forestales causador por rayos en Castilla La Mancha
Type of project: Trabajo Fin de Master
Entity: Universitat de Lleida **Type of entity:** University
Student: Domingo Calderán Cortés
Obtained qualification: Notable 8
Date of reading: 27/10/2016
- 9** **Project title:** Caracterització de les boixedes, anàlisi i estudi dels efectes de l'estassada sobre la rebrotada induïda del boix (Buxus sempervirens) al Parc del Castell de Montesquiú.
Type of project: Trabajo Fin Master
Entity: Universitat de Lleida **Type of entity:** University
Student: Anna Teixidó Compañó
Obtained qualification: Notable 8
Date of reading: 24/10/2016
- 10** **Project title:** Modelo de evaluación de riesgo de incendio forestal como soporte para el establecimiento de medidas preventivas integradas en Cantabria
Type of project: Trabajo fin de Master
Entity: Universitat de Lleida **Type of entity:** University
Student: Ramon Octavio Bocigas
Obtained qualification: Notable 8.5
Date of reading: 30/09/2014
- 11** **Project title:** Modelización del crecimiento diametral del encinar (Quercus ilex subsp. ilex) en el Parque Natural del Montnegre y el Corredor
Type of project: Trabajo Fin de Máster
Entity: Universitat de Lleida **Type of entity:** University
Student: Iris Pilar Monfort Bague
Obtained qualification: Sobresaliente 9.5
Date of reading: 23/09/2014
- 12** **Project title:** Classificació de l'heterogeneïtat paisatgística amb xarxes neuronals artificials per a la caracterització d'unitats de paisatge a la Plana de Lleida. Tesis Master Recerca Forestal.
Type of project: Trabajo Fin de Máster
Entity: Universitat de Lleida
Student: Climent Ferre Castell
Obtained qualification: Sobresaliente 9
Date of reading: 26/09/2013



- 13** **Project title:** Vulnerabilitat de les estructures forestals al foc de capçades i relació amb la severitat dels incendis forestals: cas dels boscos de Pinus Halepensis Mill de Catalunya
Entity: Universitat de Lleida **Type of entity:** University
Student: Mario Beltrán Barba
Obtained qualification: Sobresaliente 9.5
Date of reading: 26/09/2012
- 14** **Project title:** A mobile terrestrial laser scanning application for characterizing Mediterranean vegetation structure along forest roads. Master Thesis MSc European Forestry Erasmus mundus
Type of project: Trabajo Fin de Máster
Entity: Universitat de Lleida **Type of entity:** University
Student: Maiza Nara Dos Santos
Obtained qualification: Sobresaliente 9
Date of reading: 26/07/2012
- 15** **Project title:** Aplicación de herramientas de conectividad a la propagación de incendios forestales
Type of project: Doctoral thesis
Entity: Universitat de Lleida **Type of entity:** University
Student: Angelo Nieto Vivas
Obtained qualification: Sobresaliente
Date of reading: 13/02/2013
European doctorate: No
Quality recognition: Yes **Date of award:** 06/10/2011
- 16** **Project title:** Modelización de emisiones procedentes de incendios forestales en formaciones mediterráneas de Cataluña.
Type of project: Doctoral thesis
Co-director of thesis: Cristina Vega Garcia
Entity: Universitat de Lleida **Type of entity:** University
Student: Bountouraby Balde
Date of reading: 2021
Quality recognition: Yes **Date of award:** 06/10/2011
- 17** **Project title:** Modelización de la respuesta a perturbaciones de bosques mixtos en Alemania (Bavarian NP) y NE de España (El Solsonès)
Type of project: Doctoral thesis
Co-director of thesis: Cristina Vega Garcia; Pere Casals; Lluís Coll Mir
Entity: Universitat de Lleida
Student: Iris Pilar Monfort Bague
Date of reading: 2019
European doctorate: Yes
Quality recognition: Yes **Date of award:** 06/10/2011
- 18** **Project title:** Spatio-temporal analysis of human-caused fire occurrence patterns in Spain
Type of project: Doctoral thesis
Entity: Universitat de Lleida
City of entity: Spain
Student: Sergi Costafreda Aumedes
Obtained qualification: Apto cum laude
Date of reading: 17/02/2017
European doctorate: Yes **Date of recognition:** 17/02/2017



Quality recognition: Yes

Date of award: 06/10/2011

19 Project title: Teledetección y modelos estadísticos para la gestión de sistemas pastorales de montaña

Co-director of thesis: Cristina Vega Garcia; Marcos Rodrigues Mimbrero

Entity: Universitat de Lleida

Type of entity: University

Student: Pere Joan Gelabert Vadillo

Date of reading: 2021

Quality recognition: Yes

Date of award: 06/10/2011

20 Project title: Effects of climate change on fire occurrence and water regimes in a Mediterranean watershed. MSc programme 'Geo-information Science' (MGI) in Wageningen. Master Thesis.

Type of project: Trabajo Fin de Máster

Entity: Wageningen

Student: Mathieu Decuyper

Obtained qualification: Notable

Date of reading: 2011

21 Project title: On the relationship between wildfires and reforestations in 1998 -2008 in Spain. Master Thesis MSc European Forestry Erasmus mundus

Type of project: Trabajo Fin de Máster

Entity: Universitat de Lleida

Student: Emmanuel Da Ponte Canova

Obtained qualification: Sobresaliente

Date of reading: 2011

22 Project title: Quantifying boreal forest landscape patterns under different fire and forest management regimes. Master Thesis Master Recerca Forestal

Type of project: Trabajo Fin de Máster

Entity: Universitat de Lleida

Student: Marc Caufapé Poca

Obtained qualification: Sobresaliente

Date of reading: 2011

Scientific and technological experience

Research and development groups/teams

Name of the group: Gestión y análisis multiescalar de ecosistemas forestales y agrícolas bajo cambio climático-GAMES

Aims of the group: Estructura y dinámica del paisaje y relación con procesos de abandono agrario, gestión forestal e incendios forestales; Aplicaciones de las redes neuronales y teledetección a recursos forestales; Evaluación del riesgo y predicción de ocurrencia de incendios forestales

Standardised code: GAMES 2017 SGR 1422,
Generalitat de Catalunya

Affiliation entity: Universitat de Lleida

Start date: 2017

Type of collaboration: Co-authorship of projects and their development

Type of entity: University

Duration: 4 years

Scientific or technological activities

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

- 1 Name of the project:** Innovative Technologies and Socio-Ecological-Economic Solutions for FIRE RESilient Territories in Europe (FIRE-RES)

Entity where project took place: Consorci Centre de Ciència i Tecnologia Forestal de Catalunya

Type of entity: Innovation and Technology Centres

City of entity: Solsona, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Antoni Trasobares

Nº of researchers: 100

Funding entity or bodies:

H2020-EU.3.5 Grant 101037419

Name of the programme: H2020-LC-GD-2020-3

Code according to the funding entity: 101037419

Start-End date: 01/12/2021 - 30/11/2025

Total amount: 21.543.565,37 €

Dedication regime: Part time

Applicant's contribution: Participant CTFC

- 2 Name of the project:** LIFE ADAPT-ALEPPO "Adaptive management of Mediterranean Pinus halepensis forests in the face of climate change"

Entity where project took place: IDeN Ingeniería del Entorno Natural

City of entity: Brussels,

Name principal investigator (PI, Co-PI....): Esteban Jordan

Funding entity or bodies:

LIFE20 CCA/ES/001809

Start-End date: 01/09/2021 - 31/08/2025

Total amount: 2.606.279 €

Applicant's contribution: Participant, team UdLleida coordinated Aitor Ameztegui



3 Name of the project: FIREURISK- A holistic approach for risk-wise adaptation of the wildfire management in the EU to global changes. LC-CLA-15-2020-101003890.

Entity where project took place: EU-ADAI

Type of entity: Public Research Body

City of entity: Coimbra, Centro (P), Portugal

Name principal investigator (PI, Co-PI....): Domingos X. Viegas

Nº of researchers: 100

Funding entity or bodies:

LC-CLA-15-2020-101003890

Start-End date: 01/04/2021 - 31/03/2025

Total amount: 10.539.794 €

Applicant's contribution: Coordinator UdLleida, WP1 leader.

4 Name of the project: ECOSERVE-Training Masters in Ecosystem Services Management in Protected Areas

Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services

Geographical area: European Union

Degree of contribution: Scientific coordinator

Entity where project took place: EU, Russia, Mongolia

Type of entity: University

City of entity: Lleida, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Jorge Alcazar Montero; Cristina Vega Garcia

Nº of researchers: 3

Nª people/year: 25

Funding entity or bodies:

619060-EPP-1-2020-1-ES-EPPKA2-CBHE-JP

Type of entity: State agency

City funding entity: Brussels, Belgium

Type of participation: Team member

Name of the programme: CBHE-JP - Capacity Building in higher education - Joint Projects

Code according to the funding entity: 619060-EPP-1-2020-1-ES-EPPKA2-CBHE-JP

Start-End date: 01/01/2021 - 31/12/2023

Duration: 3 years

Total amount: 769.645 €

Sub-project amount: 769.645 €

Percentage as grant: 100

Percentage as credit: 0

Mixed percentage: 0

Dedication regime: Part time

5 Name of the project: UMBRACLIM - Caracterización de umbrales climáticos para la dinámica de regeneración post-incendio en pinares mediterráneos. PID2019-111781RB-I00.

Entity where project took place: UNIVERSITAT DE LLEIDA **Type of entity:** University

City of entity: Lleida, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Aitor Ameztegui; LLuis Coll Mir

Nº of researchers: 3

Funding entity or bodies:

Ministerio de Ciencia e Innovación,
PID2019-111781RB-I00.

Type of entity: State agency

Start-End date: 01/10/2020 - 30/09/2022

Total amount: 93.170 €



6 Name of the project: LIFE CLIMARK Forest management promotion for climate change mitigation through the design of a local market of climate credits CLIMARK

Entity where project took place: Centre de la Propietat Forestal de Catalunya

City of entity: Lleida, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Teresa Cervera

Nº of researchers: 25

Funding entity or bodies:

UNION EUROPEA LIFE16 CCM/ES/000065

Type of entity: EU

City funding entity: Bruselas, Belgium

Start-End date: 01/10/2017 - 30/09/2022

Total amount: 1.212.883 €

Applicant's contribution: Coordinator at UdLleida

7 Name of the project: MSc European Forestry Erasmus mundus

Entity where project took place: Universitat de Lleida (UdL) **Type of entity:** University

City of entity: Lleida, Spain

Name principal investigator (PI, Co-PI....): Cristina Vega Garcia

Nº of researchers: 3

Funding entity or bodies:

Unió Europea

Type of entity: Comisión UE

Code according to the funding entity: 574389-EPP-1-2016-1-FI-EPPKA1-JMD-MOB

Start-End date: 01/01/2017 - 31/12/2021

Duration: 5 years

Participating entity/entities: Universitat de Lleida (UdL)

8 Name of the project: IMAGINE-Integración multiescalar de modelos e imágenes como herramienta de gestión de la multifuncionalidad en sistemas agropastorales de montaña. CGL2017-85490-R.

Entity where project took place: Universitat de Lleida **Type of entity:** University

City of entity: Lleida, Catalonia, Spain

Nº of researchers: 15

Funding entity or bodies:

Ministerio de Ciencia e Innovación. Universidades **Type of entity:** Publico

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 01/01/2018 - 31/12/2020

Total amount: 205.700 €

9 Name of the project: Mirant desde el cel, com afecta el canvi climàtic als nostres boscos?

Identify key words: Mediterranean forest; Climate change

Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services **Geographical area:** Regional

Degree of contribution: Scientific coordinator

Entity where project took place: Universitat de Lleida **Type of entity:** University

City of entity: Lleida, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Cristina Vega Garcia; Lluís Coll Mir; Aitor Ameztegui; Iris Pilar Monfort Bague; Pere Joan Gelabert Vadillo; Marcos Rodrigues Mimbreno

Nº of researchers: 6

Nº people/year: 10

Name of the programme: Joves i Ciència



Code according to the funding entity: Fundacion La Pedrera

Start-End date: 24/01/2019 - 15/12/2019

Duration: 1 year

Total amount: 8.600 €

Sub-project amount: 8.600 €

Percentage as grant: 8.600

Relevant results: 10 artículos de jóvenes investigadores

Dedication regime: Part time

10 Name of the project: Mirant desde el cel, com afecta el canvi climàtic als nostres boscos?

Identify key words: Mediterranean forest; Climate change

Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services

Geographical area: Regional

Degree of contribution: Scientific coordinator

Entity where project took place: Universitat de Lleida

Type of entity: University

City of entity: Lleida, Catalonia, Spain

Name principal investigator (PI, Co-PI....): Cristina Vega Garcia; Lluís Coll Mir; Aitor Ameztegui; Iris Pilar Monfort Bague; Pere Joan Gelabert Vadillo; Marcos Rodrigues Mimbreno

Nº of researchers: 6

Nº people/year: 10

Name of the programme: Joves i Ciència

Code according to the funding entity: Fundacion La Pedrera

Start-End date: 31/01/2018 - 15/12/2018

Duration: 1 year

Total amount: 8.600 €

Sub-project amount: 8.600 €

Percentage as grant: 8.600

Relevant results: 10 artículos de jóvenes investigadores

Dedication regime: Part time

11 Name of the project: SUPPORT FOR VOCATIONAL TRAINING IN SUSTAINABLE FORESTRY (SUSFOR)

Entity where project took place: Escola Tècnica Superior d'Enginyeria Agràrica de la Universitat de Lleida (ETSEA)

Type of entity: University

City of entity: Lleida, Spain

Name principal investigator (PI, Co-PI....): Jorge Alcázar Montero

Nº of researchers: 3

Funding entity or bodies:

Education, Audiovisual and Culture Executive Agency (EACEA) **Type of entity:** Otras administraciones UE

City funding entity: 1049 Brussels, Belgium

Code according to the funding entity: 543946 TEMPUS-1-2013-1-ES

Start-End date: 01/12/2013 - 28/02/2017

Duration: 3 years - 3 months

Participating entity/entities: Escola Tècnica Superior d'Enginyeria Agràrica de la Universitat de Lleida (ETSEA)

Total amount: 678.510,27 €

12 Name of the project: Programa de Promoció de la Recerca.

Type of project: Precompetitive development

Entity where project took place: Universitat de Lleida (UdL)

Type of entity: University

City of entity: Lleida, Spain

Name principal investigator (PI, Co-PI....): Cristina Vega Garcia



Nº of researchers: 4

Funding entity or bodies:

Universitat de Lleida (UdL)

Type of entity: University

City funding entity: Lleida, Spain

Start-End date: 01/10/2014 - 30/09/2016

Duration: 2 years

Participating entity/entities: Universitat de Lleida (UdL)

Applicant's contribution: El programa tracta d'intensificar la dedicació de personal de la UdL a la captació de grans projectes que facin de tractors de l'activitat global i permetin millorar els indicadors de recerca de la UdL. Per tal d'assolir aquest objectiu la UdL encarregarà unes tasques a aquest personal i li atorgarà, segons la modalitat, reduccions de docència per un període màxim de dos anys consecutius i/o becaris de suport.

13 Name of the project: Understory prescribed burning: Fuel model effects and efficiency to large forest fires (ForBurn).

Entity where project took place: Universitat de Lleida (UdL)

Type of entity: University

City of entity: Lleida, Spain

Name principal investigator (PI, Co-PI....): Beatriz Duguy

Nº of researchers: 4

Funding entity or bodies:

Ministerio de Ciencia e Innovación

Type of entity: Administración estatal

City funding entity: Spain

Code according to the funding entity: AGL2012-40098-C03-02

Start-End date: 01/01/2013 - 31/12/2015

Duration: 3 years

Participating entity/entities: Universitat de Barcelona

Total amount: 20.000 €

14 Name of the project: Gestió i Anàlisi Multiescala de biodiversitat i serveis ambientals als Sistemes forestals i agrícoles sota canvi global (GAMES)

Entity where project took place: Universitat de Lleida (UdL)

Name principal investigator (PI, Co-PI....): Maria Teresa Sebastia Alvarez

Nº of researchers: 7

Funding entity or bodies:

Departament d'Economia i Coneixement (Generalitat de Catalunya)

Code according to the funding entity: 2014 SGR 1580

Start date: 2014

15 Name of the project: QANTUS: Qualifications Frameworks for Environmental Science at Ukrainian Universities

Entity where project took place: Escola Tècnica Superior d'Enginyeria Agràrica de la Universitat de Lleida (ETSEA)

Name principal investigator (PI, Co-PI....): Dr. Stephan Ignar

Nº of researchers: 17

Funding entity or bodies:

European Commission: Education, Audiovisual and Culture Executive Agency (EACEA)

Code according to the funding entity: 544524-TEMPUS-1-2013-1-PL

Start date: 2014

Total amount: 877.070,98 €

R&D non-competitive contracts, agreements or projects with public or private entities

- 1** **Name of the project:** Aprobació contractació prestació serveis per a "l'anàlisi i simulació, genèrica i zonal, d'incendis forestals en l'àmbit de la província de Barcelona i transferència aplicada de coneixement i metodologia"

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Maria Cristina Vega Garcia

Nº of researchers: 4

Participating entity/entities: Diputació de Barcelona

Start date: 02/09/2021 **Duration:** 4 months

Total amount: 14.659,91 €
- 2** **Name of the project:** Provision of professional services for the inventory, development, management plans for two forests in Lebanon

Entity where project took place: Universitat de Lleida (UdL)

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: Universitat de Lleida (UdL) **Type of entity:** University

City of entity: Lleida, Spain

Name principal investigator (PI, Co-PI....): Cristina Vega Garcia

Nº of researchers: 5

Participating entity/entities: Universitat de Lleida (UdL)

Funding entity or bodies: UNDP CEDRO Program-University of Balamand

Code according to the funding entity: C15012

Start date: 01/05/2015 **Duration:** 30 days

Total amount: 16.081,67 €
- 3** **Name of the project:** Assistència Tècnica en Teledetecció i Sistemes D'Informació Geogràfica En El Marc Del Projecte Pim2010ecr-00709, Camaleon.

Entity where project took place: Universitat de Lleida (UdL)

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: Universitat de Lleida (UdL) **Type of entity:** University

City of entity: Lleida, Spain

Name principal investigator (PI, Co-PI....): Cristina Vega Garcia

Nº of researchers: 1

Participating entity/entities: Universitat de Lleida (UdL)

Funding entity or bodies: Centre Tecnològic Forestal de Catalunya (CTFC) **Type of entity:** IPFSL - Enseñanza superior

City funding entity: 25280 Solsona, Spain

Code according to the funding entity: S13039

Start date: 25/06/2013 **Duration:** 6 months - 7 days

Total amount: 7.200 €



Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Spatial Prioritization for Wildfire Mitigation by Integrating Heterogeneous Spatial Data: A New Multi-Dimensional Approach for Tropical Rainforests. 24/01/2022.
DOI: 10.3390/rs14030543
Type of production: Scientific paper
Corresponding author: No
Relevant publication: Yes
- 2** Marcos Rodrigues Mimbreno; Ricardo M Trigo; Cristina Vega Garcia; Adrian Cardil. Identifying large fire weather typologies in the Iberian Peninsula. Agricultural and Forest Meteorology. 280, pp. 107789. Elsevier, 15/01/2020. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0168192319304058?via%3Dihub>>.
DOI: 10.1016/j.agrformet.2019.107789
Type of production: Scientific paper
Position of signature: 3
Total no. authors: 4
Relevant publication: Yes
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 3** Adrian Cardil; Cristina Vega Grcia; Davide Ascoli; Domingo Molina Terren; Carlos Alberto Silva; Marcos Rodrigues Mimbreno. How does drought impact burned area in Mediterranean vegetation communities?. Science of the Total Environment. 693 - 133603, Elsevier, 25/11/2019.
DOI: DOI: 10.1016/j.scitotenv.2019.133603
Type of production: Scientific paper
Position of signature: 2
Total no. authors: 6
Relevant publication: Yes
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
- 4** Emmanuel Da Ponte Canova; Sergi Costafreda; Cristina Vega Garcia. Lessons Learned from Arson Wildfire Incidence in Reforestations and Natural Stands in Spain. Forests. 10 - 3, pp. 229. MDPI, 05/03/2019.
DOI: 10.3390/f10030229
Type of production: Scientific paper
Corresponding author: No
Relevant publication: Yes
Format: Journal
- 5** Fermín J Alcasena Urdiroz; Alan A Ager; John D Bailey; Nicolau Pineda; Cristina Vega Garcia. Towards a comprehensive wildfire management strategy for Mediterranean areas: Framework development and implementation in Catalonia, Spain. Journal of Environmental Management. 231, pp. 303 - 320. Elsevier, 01/02/2019.
DOI: <https://doi.org/10.1016/j.jenvman.2018.10.027>
Type of production: Scientific paper
Position of signature: 5
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

**Total no. authors:** 5**Relevant publication:** Yes**Corresponding author:** No

- 6** Sergi Costafreda Aumedes; Cristina Vega Garcia; Carles Comas Rodriguez. Improving fire season definition by optimized temporal modelling of daily human-caused ignitions. Journal of Environmental Management. 217 - 1, pp. 90 - 99. Elsevier, 01/07/2018. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S030147971830313X>>. ISSN 0301-4797

DOI: 10.1016/j.jenvman.2018.03.080**Type of production:** Scientific paper**Position of signature:** 3**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Environmental Science (miscellaneous)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 241**Total no. authors:** 3**Impact source:** ISI**Impact index in year of publication:** 4,005**Position of publication:** 47**Relevant publication:** Yes

- 7** Fermín J. Alcasena; Alan A. Ager; Michele Salis; Michelle A. Day; Cristina Vega-Garcia. Optimizing prescribed fire allocation for managing fire risk in central Catalonia. Science of The Total Environment. 621, pp. 872 - 885. Elsevier, 15/04/2018. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0048969717333545>>. ISSN 0048-9697

DOI: 10.1016/j.scitotenv.2017.11.297**Type of production:** Scientific paper**Position of signature:** 5**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Environmental Science (miscellaneous)**Journal in the top 25%:** Yes**No. of journals in the cat.:** 231**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 4,610**Position of publication:** 34**Relevant publication:** Yes

- 8** Sergi Costafreda Aumedes; Carles Comas Rodrigues; Cristina Vega Garcia. Human-caused fire occurrence modelling in perspective: a review. International Journal of Wildland Fire. 26 - 12, pp. 983 - 998. CSIRO, 08/12/2017. Available on-line at: <<http://www.publish.csiro.au/WF/WF17026>>.

DOI: 10.1071/WF17026**Type of production:** Scientific paper**Position of signature:** 3**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - FORESTRY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 66**Total no. authors:** 3**Impact source:** ISI**Impact index in year of publication:** 2,445**Position of publication:** 11**Relevant publication:** Yes

- 9** Fermín J. Alcasena; Michele Salis; Nicholas J. Nauslar; A. Eduardo Aguinaga; Cristina Vega-García. Quantifying economic losses from wildfires in black pine afforestations of northern Spain. Forest Policy And Economics. 73, pp. 153 - 167. (United States of America): Elsevier, 20/09/2016. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S1389934116302775>>. ISSN 1389-9341

DOI: 10.1016/j.forpol.2016.09.005**Type of production:** Scientific paper**Position of signature:** 5**Format:** Journal

**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 1,982**Position of publication:** 12**Relevant publication:** Yes**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - FORESTRY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 64

- 10** Alcasena FJ; Salis M; Vega-Garcia C.. A fire modeling approach to assess wildfire exposure of valued resources in central Navarra, Spain. 912920 - European Journal of Forest Research. 135 - 1, pp. 87 - 107. (United States of America): Springer, 01/01/2016. Available on-line at: <<https://link.springer.com/content/pdf/10.1007%2Fs10342-015-0919-6.pdf>>. ISSN 1612-4669

DOI: 10.1007/s10342-015-0919-6**Type of production:** Scientific paper**Position of signature:** 3**Total no. authors:** 3**Impact source:** ISI**Impact index in year of publication:** 2,017**Position of publication:** 11**Relevant publication:** Yes**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - FORESTRY**Journal in the top 25%:** Yes**No. of journals in the cat.:** 64

- 11** Felipe Verdú; Javier Salas; Cristina Vega-Garcia. A multivariate analysis of biophysical factors and forest fires in Spain, 1991-2005. 908965 - International Journal of Wildland Fire. 21, pp. 498 - 509. (Australia): 2012. Available on-line at: <<http://dx.doi.org/10.1071/WF11100>>. ISSN 1049-8001

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Impact index in year of publication:** 2.231**Relevant publication:** Yes

- 12** Jabier Ruiz-Mirazo; Jesús Martínez-Fernández; Cristina Vega-García. Pastoral Wildfires In The Mediterranean: Understanding Their Linkages To Land Cover Patterns In Managed Landscapes. 901485 - Journal of Environmental Management. 98, pp. 43 - 50. (United Kingdom): 2012. Available on-line at: <[10.1016/j.jenvman.2011.12.017](https://doi.org/10.1016/j.jenvman.2011.12.017)>. ISSN 0301-4797

Type of production: Scientific paper**Format:** Journal**Impact source:** ISI**Impact index in year of publication:** 3.245**Relevant publication:** Yes

- 13** Global Fire Challenges in a Warming World. Occasional Paper 32 - Global Fire Challenges in a Warming World. Summary Note of a Global Expert Workshop on Fire and Climate Change. 32, pp. 1 - 60. Viena(Austria): International Union of Forest Research Organizations- IUFRO, 12/2018. Available on-line at: <<https://www.iufro.org/uploads/media/op32.pdf>>. ISSN 1024-414X, ISBN 978-3-903258-13-6

Type of production: Scientific-technical report**Format:** Scientific and technical document or report**Position of signature:** 35**Degree of contribution:** Author or co-author of scientific or technical document for the general public**Corresponding author:** No**Total no. authors:** 36**Relevant results:** International Union of Forest Research Organizations, 2018. Global Fire Challenges in a Warming World. Robinne F.-N., Burns J., Kant P., de Groot B., Flannigan M.D., Kleine M., Wotton D. M. (eds.). Occasional Paper No. 32. IUFRO, Vienna, 2018.

Relevant publication: Yes

- 14** George Mitri; Cristina Vega Garcia; Fermin Jesus Alcasena Urdiroz; Sabine Saba; Cristina Fernandez Lopez; Sergi Costafreda Aumedes; Iris Pilar Monfort Bagué; Mireille Jazzi; Jessica Karam. Forest inventory and management plans of Bkessine and Andket forests in Lebanon. UNDP-CEDRO Publication. 10/2016, pp. 1 - 158. Balamand(Lebanon): UNDP / CEDRO – 2016, 10/2016. Available on-line at: <<http://www.cedro-undp.org/content/uploads/publication/161124083358891~3-ManagementplansBkessineandAndket.pdf>>.
- Type of production:** Scientific-technical report **Format:** Scientific and technical document or report
Position of signature: 2 **Degree of contribution:** Author or co-author of scientific or technical document for the general public
Total no. authors: 9 **Corresponding author:** No
Relevant results: Output of UNDP-CEDRO IV programme technical proposal LEB/CO RFP/122/14: Provision of professional services for the Inventory Development, Management Plans for Two Forests in Lebanon, with the University of Balamand
Relevant publication: Yes
- 15** Marcos Rodrigues; Maria Zuñiga Anton; Fermin Alcasena Urdiroz; Pere Joan Gelabert Vadillo; Cristina Vega Garcia. Integrating geospatial wildfire models to delineate landscape management zones and inform decision-making in Mediterranean areas. Safety Science. Volume 147 - 2022, pp. 10 - 10. 01/03/2022.
DOI: <https://doi.org/10.1016/j.ssci.2021.105616>
Type of production: Scientific paper **Format:** Journal
- 16** Victor Resco de Dios; Àngel Cunill Camprubí; Núria Pérez-Zanón; Juan Carlos Peña; Edurne Martínez del Castillo; Marcos Rodrigues; Yinan Yao; Marta Yebra; Cristina Vega-Garcia. Convergence in critical fuel moisture and fire weather thresholds associated with fire activity in the pyroregions of Mediterranean Europe. Science of the Total Environment. 806(42) - 151462, Elsevier, 01/11/2021.
DOI: <https://doi.org/10.1016/j.scitotenv.2021.151462>
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 17** Yasmina Amrouni; Mohammed Berrayah; Pere Joan Gelabert Vadillo; Cristina Vega Garcia; Benchaben Hellal; Marcos Rodrigues Mimbrero. Recent land cover trends in the transition region of Tiaret, Algeria. Catena. 2021 - 105861, Elsevier, 01/11/2021.
DOI: <https://doi.org/10.1016/j.catena.2021.105861>
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 18** Fermin Alcasena; Pere Gelabert; Alan Ager; Michele Salis; Aitor Ameztegui; Teresa Cervera; Marcos Rodrigues; Cristina Vega-Garcia. Fostering Carbon Credits to Finance Wildfire Risk Reduction Forest Management in Mediterranean Landscapes. Land. 10(10) - 1104, MDPI, 01/10/2021.
DOI: [10.3390/land10101104](https://doi.org/10.3390/land10101104)
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 19** Siba Ghadban; Aitor Ameztegui; Marcos Rodrigues; Cristina Chocarro; Fermin Alcasena; Cristina Vega Garcia. Stand Structure and Local Landscape Variables Are the Dominant Factors Explaining Shrub and Tree Diversity in Mediterranean Forests. Sustainability. 13(21) - 11658, MDPI, 01/10/2021.
DOI: [10.3390/su132111658](https://doi.org/10.3390/su132111658)
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes

- 20** Pere Gelabert; Marcos Rodrigues; Juan de la Riva; Aitor Ameztegui; Maria Teresa Sebastià; Cristina Vega-Garcia. LandTrendr smoothed spectral profiles enhance woody encroachment monitoring. Remote Sensing of the Environment. 262(1) - 112521, Elsevier, 01/09/2021.
DOI: 10.1016/j.rse.2021.112521
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 21** Sven Wunder; Dave E. Calkin; Val Charlton; Sarah Feder; Inazio Martínez de Arano; Peter Moore; Francisco Rodriguez y Silva; Luca Tacconi; Cristina Vega Garcia. Resilient landscapes to prevent catastrophic forest fires: Socioeconomic insights towards a new paradigm. Forest Policy and Economics. Volume 128 - July 2021, pp. 102458. Elsevier, 01/07/2021.
DOI: <https://doi.org/10.1016/j.forpol.2021.102458>
Type of production: Scientific paper **Format:** Journal
Position of signature: 9 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 9 **Corresponding author:** No
- 22** Marcos Rodrigues Mimbreno; Pere Joan Gelabert Vadillo; Aitor Ameztegui; Lluís Coll Mir; Cristina Vega Garcia. Response to 'Letter to the editor regarding Rodrigues et al. 2020: Is COVID-19 halting wildfires in the Mediterranean? Insights for wildfire science under a pandemic context'. Science of The Total Environment. November 2020 766 - 143187, Elsevier, 01/11/2020.
DOI: 10.1016/j.scitotenv.2020.143187
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 23** Marcos Rodrigues Mimbreno; Pere Joan Gelabert Vadillo; Aitor Ameztegui; Lluís Coll Mir; Cristina Vega Garcia. Has COVID-19 halted winter-spring wildfires in the Mediterranean? Insights for wildfire science under a pandemic context. Science of The Total Environment. October 2020, Elsevier, 08/10/2020.
DOI: 10.1016/j.scitotenv.2020.142793
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 24** Marcos Rodrigues Mimbreno; Fermin Jesus Alcasena Urdiroz; Pere Joan Gelabert Vadillo; Cristina Vega Garcia. Geospatial Modeling of Containment Probability for Escaped Wildfires in a Mediterranean Region. Risk Analysis. 40 - 5, 29/09/2020.
DOI: 10.1111/risa.13524
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 25** Iris Pilar Monfort Bague; Cristina Vega Garcia; Jordi Jurgens; Anna Teixido; Pere Casals. Stem selection reduces the resprouting vigor of box-tree (*Buxus sempervirens* L.) understory in sub-Mediterranean pine forest. European Journal of Forest Research. 139, pp. 947 - 958. Springer, 06/06/2020.
DOI: 10.1007/s10342-020-01297-1
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 26** Bountouraby Balde; Cristina Vega Garcia. Estimación de emisiones de GEI y sus trayectorias en grandes incendios forestales en Cataluña, España. Madera y Bosques. 25 - 2, 25/09/2019.
DOI: DOI: 10.21829/myb.2019.2521764
Type of production: Scientific paper **Format:** Journal
Corresponding author: No

- 27** Cristina Vega Garcia; Mathieu Decuyper; Jorge Alcazar Montero. Applying Cascade-Correlation Neural Networks to In-Fill Gaps in Mediterranean Daily Flow Data Series. *Water*. 11 - 8, MDPI, 15/08/2019.
DOI: 10.3390/w11081691
Type of production: Scientific paper
Format: Journal
Corresponding author: Yes
- 28** Marcos Rodrigues Mimbbrero; Sergi Costafreda Aumedes; Carles Comas Rodriguez; Cristina Vega Garcia. Spatial stratification of wildfire drivers towards enhanced definition of large-fire regime zoning and fire seasons. *Science of the Total Environment*. 689, pp. 634 - 644. Elsevier, 28/06/2019.
DOI: 10.1016/j.scitotenv.2019.06.467
Type of production: Scientific paper
Format: Journal
Corresponding author: No
- 29** Carles Comas Rodriguez; Sergi Costafreda Aumedes; N Lopez; Cristina Vega Garcia. On the correlation structure between point patterns and linear networks. *Spatial Statistics*. 29, pp. 192 - 203. Elsevier, 03/2019. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S2211675318300666?via%3Dihub>>.
DOI: 10.1016/j.spasta.2018.12.001
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
Corresponding author: No
Total no. authors: 4
- 30** Marcos Rodrigues Mimbbrero; Fermin Alcasena Urdiroz; Cristina Vega Garcia. Modeling initial attack success of wildfire suppression in Catalonia, Spain. *Science of the Total Environment*. 666, pp. 915 - 927. Elsevier, 21/02/2019.
DOI: 10.1016/j.scitotenv.2019.02.323
Type of production: Scientific paper
Format: Journal
Corresponding author: No
- 31** Michele Salis. Analyzing the recent dynamics of wildland fires in *Quercus suber* L. woodlands in Sardinia (Italy), Corsica (France) and Catalonia (Spain). *European Journal of Forest Research*. 138, pp. 415 - 431. Springer, 20/02/2019.
DOI: 0.1007/s10342-019-01179-1
Type of production: Scientific paper
Format: Journal
Position of signature: 14
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Total no. authors: 15
- 32** Fermín J. Alcasena; Alan A. Ager; Michele Salis; Michelle A. Day; Cristina Vega-Garcia. Wildfire spread, hazard and exposure metric raster grids for central Catalonia. *Data in Brief*. 17, pp. 1 - 5. Elsevier, 04/01/2018. Available on-line at: <<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5766747/>>. ISSN 2352-3409
DOI: 10.1016/j.dib.2017.12.069
Type of production: Scientific paper
Format: Journal
Position of signature: 5
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: No
Total no. authors: 5
- 33** Fermín J. Alcasena; Cody R. Evers; Cristina Vega-Garcia. The wildland-urban interface raster dataset of Catalonia. *Data in Brief*. 17, pp. 124 - 128. Elsevier, 03/01/2018. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S2352340917307618>>. ISSN 2352-3409
DOI: <https://doi.org/10.1016/j.dib.2017.12.066>
Type of production: Scientific paper
Format: Journal
Position of signature: 3

Total no. authors: 3

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

Corresponding author: No

- 34** Fermín J. Alcasena; Michele Salis; Alan A. Ager; Rafael Castell; Cristina Vega-García. Assessing wildland fire risk transmission to communities in northern Spain. *Forests*. 8 - 2, (Switzerland): MDPI, 24/01/2017. Available on-line at: <<https://www.mdpi.com/1999-4907/8/2/30>>. ISSN 1999-4907

DOI: 10.3390/f8020030

Handle: <http://hdl.handle.net/10459.1/59508>

Type of production: Scientific paper

Position of signature: 5

Total no. authors: 5

Impact source: ISI

Impact index in year of publication: 1,956

Position of publication: 18

Format: Journal

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

Corresponding author: No

Category: Science Edition - FORESTRY

Journal in the top 25%: No

No. of journals in the cat.: 66

- 35** Costafreda-Aumedes, S.; Comas, C.; Vega-Garcia, C.. Spatio-temporal configurations of human-caused Fires in Spain through point patterns. *Forests*. 7 - 9, pp. 1 - 15. (Switzerland): MDPI, 26/08/2016. Available on-line at: <<http://www.mdpi.com/1999-4907/7/9/185>>. ISSN 1999-4907

DOI: <https://doi.org/10.3390/f7090185>

Handle: <http://hdl.handle.net/10459.1/57892>

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 3

Impact source: ISI

Impact index in year of publication: 1,951

Position of publication: 13

Format: Journal

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

Corresponding author: No

Category: Science Edition - FORESTRY

Journal in the top 25%: Yes

No. of journals in the cat.: 64

- 36** Costafreda-Aumedes S; Cardil A; Molina Terrén DM; Daniel S; Mavsar R; Vega-Garcia C.. Analysis of factors influencing deployment of fire suppression resources in Spain using artificial neural networks. 917050 - *Iforest-Biogeosciences And Forestry*. 9, pp. 138 - 145. (Italy): Italian Society of Silviculture and Forest Ecology (SISEF), 19/07/2015. Available on-line at: <<https://repositori.udl.cat/bitstream/handle/10459.1/58808/022378.pdf?sequence=1&isAllowed=y>>. ISSN 1971-7458

DOI: 10.3832/for1329-008

Type of production: Scientific paper

Position of signature: 6

Total no. authors: 6

Impact source: ISI

Impact index in year of publication: 1,07

Position of publication: 30

Format: Journal

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

Corresponding author: Yes

Category: Science Edition - FORESTRY

Journal in the top 25%: No

No. of journals in the cat.: 66

- 37** Debouk, Haifa; Riera-Tatché, Ramon; Vega-Garcia, Cristina.. Assessing post-fire regeneration in a Mediterranean mixed forest using LiDAR data and Artificial Neural Networks. 901664 - *Photogrammetric Engineering and Remote Sensing*. 79 - 12, pp. 1121 - 1130. (United States of America): American Society for Photogrammetry and Remote Sensing, 01/12/2013. Available on-line at: <<http://docserver.ingentaconnect.com/deliver/connect/asprs/00991112/v79n12/s3.pdf>>



expires=1545940761&id=0000&titleid=72010567&checksum=14A6CF6752FDFDDBAB228D37F09CFD86>. ISSN 0099-1112

DOI: 10.14358/PERS.79.12.1121

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 3

Impact source: ISI

Impact index in year of publication: 2.071

Position of publication: 61

Relevant results: GEOSCIENCES, MULTIDISCIPLINARY, 61 de 173; REMOTE SENSING, 9 de 27; IMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGY, 7 de 23; GEOGRAPHY, PHYSICAL, 24 de 46

Format: Journal

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

Corresponding author: Yes

Category: Science Edition - GEOSCIENCES, MULTIDISCIPLINARY

Journal in the top 25%: No

No. of journals in the cat.: 173

- 38** Cardil A; Molina-Terren, DM.; Ramírez, J.; Vega-Garcia, C.. Trends in adverse weather patterns and large wildland fires in Aragón (NW Spain) from 1978 to 2010. 913490 - Natural Hazards And Earth System Sciences. 13, pp. 1393 - 1399. (Germany): Copernicus Publications, 31/05/2013. Available on-line at: <<https://www.nat-hazards-earth-syst-sci.net/13/1393/2013/nhess-13-1393-2013.pdf>>. ISSN 1561-8633

DOI: 10.5194/nhess-13-1393-2013

Type of production: Scientific paper

Position of signature: 4

Total no. authors: 4

Impact source: ISI

Impact index in year of publication: 1.826

Position of publication: 66

Relevant results: METEOROLOGY & ATMOSPHERIC SCIENCES, 35 de 76; WATER RESOURCES, 25 de 79; GEOSCIENCES, MULTIDISCIPLINARY, 66 de 173

Format: Journal

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

Corresponding author: No

Category: Science Edition - GEOSCIENCES, MULTIDISCIPLINARY

Journal in the top 25%: No

No. of journals in the cat.: 143

- 39** Costafreda-Aumedes, Sergi; Garcia-Martin, Alberto; Vega-Garcia, Cristina. The relationship between landscape patterns and human-caused fire occurrence in Spain. 915743 - Forest Systems. 22 - 1, pp. 71 - 81. (Spain): Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria (INIA), 12/01/2013. Available on-line at: <<https://repositori.udl.cat/bitstream/handle/10459.1/59335/019426.pdf?sequence=1&isAllowed=y>>. ISSN 2171-5068

DOI: <https://doi.org/10.5424/fs/2013221-02685>

Type of production: Scientific paper

Position of signature: 3

Total no. authors: 3

Impact source: ISI

Impact index in year of publication: 0.62

Position of publication: 45

Format: Journal

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

Corresponding author: No

Category: Science Edition - FORESTRY

Journal in the top 25%: No

No. of journals in the cat.: 64

- 40** Cristina Vega Garcia; Roberto Garcia. Big data y ordenación de montes: ¿que ha cambiado en realidad?. Conferencias y Ponencias del 7º Congreso Forestal Español. 43, pp. 31 - 40. Cuadernos Sociedad Española de Ciencias Forestales, 12/2017. Available on-line at: <http://secforestales.org/publicaciones/index.php/cuadernos_secf/article/view/17525/17303>. ISSN 1575-2410

Type of production: Book chapter

Position of signature: 1

Format: Book

Degree of contribution: Author or co-author of scientific or technical document for the general public

**Total no. authors:** 2**Corresponding author:** Yes**Relevant results:** DOI: 10.31167/csef.v0i43.17525

- 41** Vega-Garcia C; Alcazar J.. Lifelong learning in forestry: a short summary of trends in Spain. 2016 SILVA Publications 13: Proc. SILVA Network Conference at University of Natural Resources and Life Sciences, Vienna, Austria April 16 th – April 18 th , 2015. FreiburgFreiburg im Breisgau, 2016. Available on-line at: <https://www.silva-network.uni-freiburg.de/SILVA_13>. ISBN 978 - 3 - 00 - 054930 - 4
Type of production: Book chapter **Format:** Book
Total no. authors: 5 **Corresponding author:** Yes
- 42** Vega-Garcia C; Santiveri F; Iglesias-Rodriguez C; Serrano L; Alcazar J.. Struggling with learning outcomes in integrated practice courses in Spain. An essay on how to renew teaching-learning (and improve it by ongoing monitoring). 2015 SILVA Publications 11: Proc. SILVA Network Conference, Faculty of Forestry, Istanbul University, Turkey, November 1st - November 3rd 2013. 11, pp. 42 - 49. FreiburgFreiburg im Breisgau, 2015. Available on-line at: <<http://www.silva-network.eu/>>. ISBN 978-3-00-049893-0
Type of production: Book chapter **Format:** Book
Total no. authors: 5
- 43** COSTAFREDA-AUMEDES, Sergi; VEGA-GARCIA, Cristina. ANN multivariate analysis of factors that influence human-caused multiple fire starts.Advances in Forest Fire Research. 2014 - 1, pp. 1787 - 1798. (Portugal): Universidade de Coimbra, 2014. Available on-line at: <https://digitalis.uc.pt/es/livro/advances_forest_fire_research>. ISBN 978-989-26-0884-6
Type of production: Book chapter **Format:** Book
- 44** VEGA-GARCIA, Cristina; DUGUY, Beatriz; MONFORT, Iris Pilar; COSTAFREDA-AUMEDES, Sergi. Characterization of custom fuel models for supporting fire modeling-based optimization of prescribed fire planning in relation to wildfire prevention (southern Catalonia, Spain). Advances in Forest Fire Research. 2014 - 1, pp. 112 - 123. (Portugal): Universidade de Coimbra, 2014. Available on-line at: <https://digitalis.uc.pt/es/livro/advances_forest_fire_research>. ISBN 978-989-26-0884-6
Type of production: Book chapter **Format:** Book
- 45** C. Vega-Garcia; J. Alcázar. University of Lleida's experience in the adaptation of forestry studies to the Bologna process. 2014 SILVA Publications 10: Proc. SILVA Network Conference held at the School of Agricultural and Forestry Engineering of the University of Lleida (ETSEA), Lleida, Spain, November 22nd - November 25th 2012. 10, pp. 19 - 25. Freiburg im Breisgau, 2014. Available on-line at: <<https://www.silva-network.uni-freiburg.de/content/lleida12/SILVA10ProcText.pdf>>. ISBN 978-3-00-046451-5
Type of production: Book chapter **Format:** Book
- 46** C. Vega-Garcia. BOOK REVIEWS Making Maps: A Visual Guide To Map Design For Gis (Second Edition). 203000 - The Photogrammetric Record. 27 - 139, pp. 389 - 390. The Remote Sensing and Photogrammetry Society, 2012. Available on-line at: <DOI: 10.1111/j.1477-9730.2012.00702_3.x>. ISSN 1477-9730
Type of production: Review **Format:** Journal
Impact source: ISI
Impact index in year of publication: 1.098
- 47** Cristina Vega Garcia; Bountouraby Balde; Fermin Jesus Alcasena Urdiroz; Teresa Baiges; Jorge Alcazar Montero; Teresa Cervera Zaragoza. Forest management for water flow regulation within a climatic credit market. 12th ISE 2018, Tokyo, Japan. 18/08/2018.
Type of production: Poster **Format:** Scientific and technical document or report
Corresponding author: Yes

- 48** Fermin Jesus Alcasena Urdiroz; Cristina Vega Garcia. The contribution of biophysical fire modeling and risk assessment to wildfire management in the periurban forests. Actas European Forum on Urban Forestry 2017. EFUF, 05/2017.
DOI: DOI: 10.13140/RG.2.2.29572.01929
Type of production: Poster
Position of signature: 2
Total no. authors: 2
Format: Scientific and technical document or report
Degree of contribution: Author or co-author of scientific or technical document for the general public
Corresponding author: No
- 49** Angelo Nieto Vivas; Cristina Vega Garcia. Application of graph-based tools for a wildfire prevention network at the landscape scale. Case study: Barcelona. International Congress on Prescribed Fires (ICOPFires). Pau Costa Foundation, 02/2017.
DOI: 10.13140/RG.2.2.29770.26562
Type of production: Poster
Position of signature: 2
Total no. authors: 4
Format: Scientific and technical document or report
Degree of contribution: Author or co-author of scientific or technical document for the general public
Corresponding author: Yes
- 50** Jordi Balcells Palau; Cristina Vega Garcia; Fermin Jesus Alcasena Urdiroz; Jesús Nadal. Assessing wildfire hazard to prioritize prescribed fire restoration and mitigation treatments in Boumort National Game Reserve. International Congress on Prescribed Fires (ICOPFires). Pau Costa Foundation, 02/2017.
DOI: 10.13140/RG.2.2.29770.26562
Type of production: Poster
Position of signature: 2
Total no. authors: 4
Format: Scientific and technical document or report
Degree of contribution: Author or co-author of scientific or technical document for the general public
Corresponding author: No
- 51** Fermin Jesus Alcasena Urdiroz; Rafael Castell; Michele Salis; Juan Cisneros; Cristina Vega Garcia. Cartografía de riesgo de incendios en la interfaz urbano-forestal del Concejo de Garcirain, Navarra. I Seminario sobre actuaciones de prevención, seguridad y extinción en zonas de interfaz urbano-forestal. San Fernando de Henares (Madrid). Colegio Oficial de Ingenieros Técnicos Forestales, 10/2015.
Type of production: Poster
Corresponding author: No
Format: Scientific and technical document or report
- 52** Fermin Jesus Alcasena Urdiroz; Sergi Costafreda Aumedes; Iris Pilar Monfort Bague; Cristina Vega Garcia. Fine scale fire risk mapping in forests of central Navarre (Spain). II International Conference on Fire Behaviour and Risk. Alghero, Italy. 05/2015. Available on-line at: <https://www.researchgate.net/publication/277511146_Fine_scale_fire_risk_mapping_in_forests_of_central_Navarre_Spain>.
Type of production: Abstract
Corresponding author: No
- 53** Comas, C.; Costafreda-Aumedes, S; Vega-Garcia, C.. Análisis de la estructura espaciotemporal de puntos de ignición de incendios forestales en el sur de Galicia [Spatiotemporal point analysis of fire ignitions in South Galicia]. G. Montero González, M. Guijarro Guzmán et al. (eds.), Actas 6º Congreso Forestal Español CD-Rom. 6CFE01-255. pp. 1 - 10. (Spain): Sociedad Española de Ciencias Forestales, 2013.
Type of production: Acta congresos
Format: Book

Works submitted to national or international conferences

- 1** **Title of the work:** Promotion of forest management for climate mitigation
Name of the conference: Towards a Med-for-Hub Mediterranean Workshop
Corresponding author: Yes
City of event: Sassari, Italy
Date of event: 17/12/2019
End date: 17/12/2019
Organising entity: University of Sassari **Type of entity:** University
City organizing entity: Sassari, Italy
Cristina Vega Garcia; Teresa Cervera. "Promotion of forest management for climate mitigation".
- 2** **Title of the work:** Towards a landscape fire management strategy in Southern Europe based on risk analysis: Unresolved spatial and mathematical issues
Name of the conference: Workshop on Optimization Methods In Wildfire Emergency Management - Geosafe Wildfire Conference
Corresponding author: Yes
City of event: Melbourne, Australia
Date of event: 11/11/2019
End date: 15/11/2019
Organising entity: RMIT **Type of entity:** Public Research Body
City organizing entity: Melbourne, Australia
Fermin J Alcasena Urdiroz; Marcos Rodrigues Mimbbrero; Cristina Vega Garcia. "Towards a landscape fire management strategy in Southern Europe based on risk analysis: Unresolved spatial and mathematical issues".
- 3** **Title of the work:** Developing wildfire management strategies in Catalonia
Name of the conference: Resilient landscapes to face catastrophic forest fires: global insights towards a new paradigm
Corresponding author: Yes
City of event: Madrid, Community of Madrid, Spain
Date of event: 14/10/2019
End date: 15/10/2019
Organising entity: European Forest Institute **Type of entity:** European Union
City organizing entity: Barcelona, Community of Madrid, Spain
Fermin J Alcasena Urdiroz; Marcos Rodrigues Mimbbrero; Cristina Vega Garcia. "Developing wildfire management strategies in Catalonia".
- 4** **Title of the work:** A spatial-temporal stratification of drivers of recent human-caused largefires in Spain
Name of the conference: EGU General Assembly, Vienna, Austria, 7-12th April 2019
Corresponding author: No
City of event: Viena, Austria
Date of event: 07/04/2019
End date: 12/04/2019
Organising entity: European Geosciences Union **Type of entity:** Associations and Groups
City organizing entity: Viena, Austria
Marcos Rodrigues Mimbbrero; Sergi Costrafreda Aumedes; Carles Comas Rodriguez; Cristina Vega Garcia. "A spatial-temporal stratification of drivers of recent human-caused largefires in Spain".



- 5** **Title of the work:** An assessment of aerial carbon stock combining forest inventory data with LiDAR-derived canopy and topography metrics
Name of the conference: EGU General Assembly, Vienna, Austria, 7-12th April 2019
Corresponding author: No
City of event: Viena, Austria
Date of event: 07/04/2019
End date: 12/04/2019
Organising entity: European Geosciences Union **Type of entity:** Associations and Groups
City organizing entity: Viena, Austria
Pere Joan Gelabert; Marcos Rodrigues Mimbrero; Aitor Ameztegui; Cristina Vega Garcia. "An assessment of aerial carbon stock combining forest inventory data with LiDAR-derived canopy and topography metrics".
- 6** **Title of the work:** Changing wildfire regimes: a global threat to forest resources conservation and ecological security
Name of the conference: Yangling International Agri-Science Forum
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - invited/keynote talk **Reasons for participation:** Upon invitation
Corresponding author: Yes
City of event: Yangling, China
Date of event: 05/11/2018
End date: 08/11/2018
Organising entity: Northwest Scientific and Technical University of Agriculture & Forestry **Type of entity:** University
City organizing entity: Yangling, China
With external admission assessment committee: Yes
"Changing wildfire regimes: a global threat to forest resources conservation and ecological security". En: Book of abstracts. 1, pp. 144 - 145. Northwest Scientific and Technical University of Agriculture & Forestry, 06/11/2018.
- 7** **Title of the work:** Fire occurrence prediction applications for wildfire risk management in Spain
Name of the conference: Workshop Forest and Wildland Fire Management: a Risk Management Perspective
Type of event: Seminar **Geographical area:** Non EU International
Type of participation: Participatory - invited/keynote talk **Reasons for participation:** Upon invitation
Corresponding author: Yes
City of event: Banff, Canada
Date of event: 05/11/2017
End date: 10/11/2017
Organising entity: Banff International Research Station for mathematical innovation and discovery **Type of entity:** R&D Centre
City organizing entity: Banff, Canada
With external admission assessment committee: Yes
Cristina Vega Garcia; Fermin Jesus Alcasena Urdiroz; Sergi Costafreda Aumedes. "Fire occurrence prediction applications for wildfire risk management in Spain". 06/11/2017.
- 8** **Title of the work:** Qualifications Frameworks for Environmental Science at Ukrainian Universities (QANTUS)
Name of the conference: 5th International Conference of Forestry Training Centres
Type of event: Conference **Geographical area:** Internacional
Type of participation: 'Participatory - poster



City of event: Solsona, Spain

Date of event: 2016

End date: 2016

Organising entity: Centre Tecnològic Forestal de Catalunya (CTFC)

Type of entity: IPFSL - Enseñanza superior

Cristina Vega; Jorge Alcázar; Francisca Santiveri; Vadym Zakharchenko; Stefan Ignar.

- 9 Title of the work:** TEMPUS projects at the University of Lleida: Support for vocational training in sustainable forestry (SUSFOR)

Name of the conference: 5th International Conference of Forestry Training Centres

Type of event: Conference

Geographical area: Internacional

Type of participation: Participatory - oral communication

City of event: Solsona, Spain

Date of event: 2016

End date: 2016

Organising entity: Centre Tecnològic Forestal de Catalunya (CTFC)

Type of entity: IPFSL - Enseñanza superior

Alcázar J; Vega C; Iglesias C; Yampilova Z.

- 10 Title of the work:** The TEMPUS project Support for vocational training in sustainable forestry (SUSFOR): the development of a LLL strategy

Name of the conference: International Conference 'Towards sustainable forestry and sustainable education'

Type of event: Conference

Geographical area: Internacional

Type of participation: Participatory - oral communication

City of event: St. Petersburg, Russia

Date of event: 2016

End date: 2016

Organising entity: St. Petersburg State Forest Technical University

Type of entity: University

Cristina Vega-Garcia; Jorge Alcázar Montero.

- 11 Title of the work:** Analyzing wildfire exposure of the forests in Eltxumendi and Ezkaba mountains of central Navarra (Spain)

Name of the conference: IV Mediterranean Forest Week

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Barcelona, Spain

Date of event: 2015

Alcasena FJ; Vega-García C.

- 12 Title of the work:** Cartografía de riesgo de incendios en la interfaz urbano-forestal del Concejo de Garciriain, Navarra

Name of the conference: I Seminario sobre Actuaciones de Prevención, Seguridad y Extinción en Zonas de Interfaz Urbano - Forestal

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: San Fernando de Henares (Madrid), Spain

Date of event: 2015

End date: 2015

Type of entity: Instituciones privadas sin finalidad de lucro

Organising entity: Colegio Oficial de Ingenieros
Técnicos Forestales y Graduados en Ingeniería
Forestal y Medio Rural
Alcasena FJ; Castell R; Salis M; Cisneros JC; Vega-García C.

- 13** **Title of the work:** Fine scale fire risk mapping in forest stands of central Navarre (Spain)
Name of the conference: II International Conference in Fire Behaviour and Risk
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Alghero, Italy
Date of event: 2015
Alcasena FJ; Costafreda-Aumedes S; Monfort-Bagüe I; Vega-García C.
- 14** **Title of the work:** Life Long Learning in Forestry: A needs analysis in Spain
Name of the conference: Silva Network annual conference 2015. April 16th -18th, 2015
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Viena, Austria
Date of event: 2015
C Vega-García, J. Alcázar.
- 15** **Title of the work:** Modelización del crecimiento diametral del Quercus ilex subsp. ilex L. en el nord?este de la Península Ibérica mediante ANN
Name of the conference: IV Mediterranean Forest Week
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Barcelona, Spain
Date of event: 2015
Iris Pilar MONFORT-BAGUE; Mariola SÁNCHEZ-GONZÁLEZ; Cristina VEGA-GARCIA.
- 16** **Title of the work:** Support for vocational training in sustainable forestry (SUSFOR)
Name of the conference: IV Mediterranean Forest Week. 17-20 de marzo, 2015
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Barcelona, Spain
Date of event: 2015
J. Alcázar; C Vega; C. Iglesias; Z. Yampilova.
- 17** **Title of the work:** The role of Lifelong Learning (LLL) for forestry in Spain
Name of the conference: International Seminar 'The role of Lifelong Learning (LLL) in the life sciences modern education model'
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Chisinau, Moldavia
Date of event: 2015
Cristina Vega-Garcia; Jorge Alcázar Montero.
- 18** **Title of the work:** ANN multivariate analysis of factors that influence human-caused multiple fire starts
Name of the conference: VII International Conference on Forest Fire Research
Type of event: Conference
Type of participation: Participatory - oral communication



City of event: Coimbra, Portugal

Date of event: 2014

COSTAFREDA-AUMEDES, Sergi; VEGA-GARCIA, Cristina.

- 19 Title of the work:** Characterization of custom fuel models for supporting fire modeling-based optimization of prescribed fire planning in relation to wildfire prevention (southern Catalonia, Spain)

Name of the conference: VII International Conference on Forest Fire Research

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Coimbra, Portugal

Date of event: 2014

VEGA-GARCIA, Cristina; DUGUY, Beatriz; MONFORT, Iris Pilar; COSTAFREDA-AUMEDES, Sergi.

- 20 Title of the work:** Wildfire risk assessment tools and risk management for urban planning: Nuoro, a case study from the Mediterranean basin

Type of event: Conference

Geographical area: National

Type of participation: Participatory - poster

City of event: Solsona, Spain

Date of event: 2014

End date: 2014

Organising entity: Centre Tecnològic Forestal de Catalunya (CTFC)

Type of entity: IPFSL - Enseñanza superior

Alcasena FJ; Molina D; Salis M; Vega-García C.

- 21 Title of the work:** Análisis de la estructura espaciotemporal de puntos de ignición de incendios forestales causados por personas en el sur de Galicia [Spatiotemporal point analysis of human-caused forest fire ignitions in South Galicia]

Name of the conference: 6º Congreso Forestal Español

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Vitoria, Spain

Date of event: 2013

Costafreda Aumedes, S.; Comas, C.; Vega García, C.

- 22 Title of the work:** Struggling with learning outcomes in integrated practice courses in Spain

Name of the conference: Silva Network Annual conference. November 1st - 3rd

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Estambul, Turkey

Date of event: 2013

Vega-García, C.; Serrano-Endolz, L; Iglesias-Rodriguez, C; Alcázar, J.

- 23 Title of the work:** University of Lleida's experience in the adaptation of forestry studies to the Bologna process

Name of the conference: Silva Network Annual conference. November 22nd - 25th

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Lleida, Spain

Date of event: 2012

Vega-García, C.; Alcázar, J.

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

- 1** **Title of the work:** An exercise in developing learning outcomes for an Environmental QF in Ukraine: Group Work by scientific branch within Environment Science. A comparison between TUNING learning outcomes for 'Earth Sciences' or 'Agriculture' and Ukrainian Study Programmes. Planning of Learning Outcomes in the field of Environmental Science: An structured exercise in the formulation of environmental learning outcomes. Dra Francisca Santiveri/Dra. Cristina Vega
Name of the event: Study Visit Tempus QANTUS: Qualifications Frameworks for Environmental Science at Ukrainian Universities, 8-12 Sep. 2014
Reasons for participation: Speaker
City of event: Lleida, Spain
Date of event: 12/09/2014
- 2** **Title of the work:** Quality Framework: Access to learning / teaching materials: The Sakai and Moodle Platforms. The organization of the study process: Dr. Jorge Alcazar/Dr. Cristina Vega
Name of the event: Study Visit Tempus QANTUS: Qualifications Frameworks for Environmental Science at Ukrainian Universities, 8-12 Sep. 2014
Reasons for participation: Speaker
City of event: Lleida, Spain
Date of event: 10/09/2014
- 3** **Title of the work:** Workshop LLL teaching technologies V; Lifelong Learning: A requirement in the Forestry Sector. A study case for professionals in Fire Science: MasterFUEGO.
Name of the event: WORKSHOP IN DIDACTICS BURYAT STATE ACADEMY OF AGRICULTURE NAMED AFTER V.R. PHILIPPOV, ULAN-UDE, RUSSIA. 6-12 July 2014.
Reasons for participation: Speaker
City of event: Lleida, Spain
Date of event: 08/07/2014

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** Comité Organizador "V Reunión del Grupo de Trabajo de Modelización Forestal". UdL-CTFC. Solsona. 2019.
Primary (UNESCO code): 310600 - Forestry
Affiliation entity: Sociedad Española de Ciencias Forestales
City affiliation entity: Madrid, Spain
Start-End date: 10/04/2019 - 07/11/2019
- 2** **Committee title:** Coordinadora en la Universidad de Lleida del MSc European Forestry Erasmus mundus, miembro comité gestor (MC) del consorcio de universidades: AgroParistech ENGREF, France; University of Eastern Finland (UEF), Joensuu, Finland (Coordinating university); University of Freiburg, Germany; Swedish University of Agricultural Sciences (SLU,) Sweden; University of Lleida (UdL), Spain; Wageningen University, the Netherlands; BOKU-University of Natural Resources and Life Sciences Vienna, Austria.
Primary (UNESCO code): 310600 - Forestry
Secondary (UNESCO code): 310604 - Management
Affiliation entity: 2912 - University of Eastern Finland
Type of entity: University



City affiliation entity: Joensuu, Finland

Start-End date: 31/07/2009 - 31/01/2018

- 3 **Committee title:** Local Scientific Committee <http://efuf2017.amb.cat/>
Affiliation entity: European Forum on Urban Forestry (EFUF)
Start-End date: 12/07/2016 - 02/06/2017
- 4 **Committee title:** Committee IV Mediterranean Forest Week, Barcelona, 17-20 March 2015 Forest education & training session
Affiliation entity: 4288 - Food and Agriculture Organization of the United Nations (UN-FAO)
Start-End date: 01/06/2014 - 20/03/2015
- 5 **Committee title:** Associate Editor Frontiers in Forests and Global Change: Fire and Forests Section
Primary (UNESCO code): 310606 - Protection
Affiliation entity: Frontiers Editorial Office **Type of entity:** Editorial
City affiliation entity: Lausanne, Switzerland
Start date: 26/11/2020

Organization of R&D activities

- 1 **Title of the activity:** Estancia profesor visitante Leonardo Durán Gárate de la Universidad Mayor de Chile
Type of activity: Ajut per a estades de docència a la UdL de professorat visitant estranger (2019/20)
Convening entity: Universitat de Lleida **Type of entity:** University
Start-End date: 02/03/2020 - 13/03/2020 **Duration:** 15 days
- 2 **Title of the activity:** Estancia de investigación predoctoral Mr. Amin Eshagi, Gorgan University of Agriculture Science and Natural Resources, Iran
Type of activity: Investigación predoctoral **Geographical area:** European Union
Convening entity: Gorgan University of Agriculture Science and Natural Resources **Type of entity:** University
City convening entity: Gorgan, Iran
Start-End date: 01/10/2019 - 01/03/2020 **Duration:** 6 months
- 3 **Title of the activity:** Investigadora-Tutora de una Juan de la Cierva-Formación Conv. 2016 (2018-2019) de Marcos Rodrigues Mimbreno.
Type of activity: Dirección postdoctoral **Geographical area:** Non EU International
Convening entity: Ministerio de Ciencia e Innovación. Investigación **Type of entity:** Ministerio
City convening entity: Madrid, Spain
Start-End date: 08/01/2018 - 07/01/2020 **Duration:** 2 years
- 4 **Title of the activity:** Estancia profesor visitante Dr David L Martell University of Toronto, Canada
Type of activity: Ajuts per a convidar PDI d'institucions estrangeres 19/20 **Geographical area:** Non EU International
Convening entity: Universitat de Lleida **Type of entity:** University
City convening entity: Lleida, Catalonia, Spain
Start-End date: 23/10/2019 - 26/10/2019 **Duration:** 4 days



- 5** **Title of the activity:** Estancia profesora visitante Dr Biyun Guo Zhejiang Ocean University, China
Type of activity: Academic and research exchange **Geographical area:** Non EU International
Convening entity: Zhejiang Ocean University, China **Type of entity:** University
City convening entity: Zhejiang, China
Start-End date: 20/06/2018 - 31/07/2018 **Duration:** 40 days
- 6** **Title of the activity:** Erasmus SMS-T PhD candidate Yasmina Amrouni
Type of activity: Estancia de investigación predoctoral **Geographical area:** European Union
Convening entity: European Union EACEA Erasmus **Type of entity:** EACEA
City convening entity: Bruselas, Belgium
Start-End date: 01/02/2018 - 31/07/2018 **Duration:** 6 months
- 7** **Title of the activity:** Estancia investigadora visitante Dra. Patricia Oliva Pavón Centro Hémara de Observación de la Tierra Universidad Mayor Chile
Type of activity: Promoción convenio de colaboración para investigación y realización de doctorados **Geographical area:** Non EU International
Convening entity: Centro Hémara de Observación de la Tierra Facultad de Ciencias Universidad Mayor Chile **Type of entity:** University
City convening entity: Santiago, Chile
Start-End date: 10/07/2018 - 11/07/2018 **Duration:** 2 days
- 8** **Title of the activity:** Estancia de investigación predoctoral Ms. Isida Duka University of Rome 'Tor Vergata'
Type of activity: Investigación predoctoral **Geographical area:** European Union
Convening entity: University of Rome 'Tor Vergata'. Department of Civil Engineering & Computer Engineering. **Type of entity:** University
City convening entity: Roma, Lazio, Italy
Start-End date: 27/11/2017 - 28/02/2018 **Duration:** 30 days
- 9** **Title of the activity:** Estancia profesor visitante Dr Angelo Nieto Universidad de Tolima, Colombia
Type of activity: Estancia de investigación **Geographical area:** Non EU International
Convening entity: Universitat de Lleida **Type of entity:** University
City convening entity: Lleida, Catalonia, Spain
Start-End date: 03/11/2016 - 12/11/2016 **Duration:** 10 days
- 10** **Title of the activity:** Estancia profesor visitante Dr David L Martell University of Toronto, Canada
Type of activity: Ajuts per a convidar PDI d'institucions estrangeres 16/17 - La Caixa Convocatòria del programa d'ajuts per afavorir la internacionalització de la UdL mitjançant l'estada de professorat d'institucions estrangeres **Geographical area:** Non EU International
Convening entity: Universitat de Lleida - La Caixa **Type of entity:** Foundation
City convening entity: Lleida, Catalonia, Spain
Start-End date: 15/10/2016 - 22/10/2016 **Duration:** 7 days
- 11** **Title of the activity:** Visita Delegation from College of Forestry, Northwest A&F University, Yangling, China
Type of activity: Exchange and research collaboration on timber products **Geographical area:** Non EU International
Type of entity: University



Convening entity: College of Forestry, Northwest A&F University, China

City convening entity: Yangling, China

Start-End date: 27/07/2016 - 05/08/2016

Duration: 10 days

12 Title of the activity: Estada professor visitant MSc European Forestry, Programa Visiting Scholar Erasmus mundus

Type of activity: Dr. Xu Leshun (Professor)

Start date: 2013

13 Title of the activity: Estancia professor visitant MSc European Forestry, Programa Visiting Scholar Erasmus mundus

Type of activity: Dr. George Mitri (Professor)

Start date: 2012

R&D management

1 Name of the activity: Directora de Departamento Ingenieria Agroforestal

Type of management: Management of body

Performed tasks: Gestión recursos

Entity: Universidad de Lleida

Start date: 01/03/2016

Duration: 2 years - 10 months

2 Name of the activity: Subdirectora de Relaciones Internacionales ETSE Agraria de Lleida-UdL desde marzo 2014 a noviembre de 2015

Type of management: Internacional

Performed tasks: Coordinadora Erasmus

Entity: ETSE Agraria

Start date: 2014

Duration: 1 year - 9 months

3 Name of the activity: Subdirectora de Investigación ETSE Agraria de Lleida-UdL desde septiembre 2011 a noviembre de 2012

Type of management: Management of body

Performed tasks: Fomento investigación

Entity: ETSE Agraria

Start date: 2011

Type of entity: University

Duration: 1 year

Evaluation and revision of R&D projects and articles

1 Name of the activity: FCT 2022 Call for SR&TD Project Grants Agriculture, Forestry & Fisheries

Performed tasks: Evaluadora de proyectos (11)

Entity where activity was carried out: Fundação para a Ciência e a Tecnologia (FCT)

Type of entity: State agency

City of entity: Lisboa, Portugal

Start-End date: 07/04/2022 - 15/09/2022

2 Name of the activity: Programa Estatal Proyectos de I+D+i Retos Investigación Tipo B 2020 Proyecto PID2020-119402RB-I00 Título: INCENDIOS FORESTALES EN LA RED NATURA 2000 Y OTRAS AREAS PROTEGIDAS: CARTOGRAFIA, ANALISIS DEL RIESGO PRESENTE Y FUTURO Y RESPUESTA DEL ECOSISTEMA BAJO CAMBIO CLIMATICO

Performed tasks: Programa Estatal Proyectos de I+D+i Retos Investigación Tipo B 2020 Proyecto PID2020-119402RB-I00

Entity where activity was carried out: Ministerio de Ciencia e Innovación **Type of entity:** MINECO

City of entity: Spain

Start-End date: 05/02/2021 - 26/02/2021

3 Name of the activity: Revision proyecto CREATE

Performed tasks: Review of CREATE NSERC grant application

Entity where activity was carried out: Natural Sciences and Engineering Research Council of Canada (NSERC) **Type of entity:** State agency

City of entity: Edmonton, Canada

Start-End date: 20/11/2020 - 07/12/2020

4 Name of the activity: Revision proyecto Boosting the adoption of geospatial products for integrated wildfire management by demonstrating the socio-economic value of information (PREFER-RED-VALUE)

Performed tasks: Review of PREFER-RED-VALUE grant application Sapienza University of Rome

Entity where activity was carried out: Sapienza Research Committee **Type of entity:** University

City of entity: Roma, Lazio, Italy

Start-End date: 31/08/2020 - 20/09/2020

5 Name of the activity: Call for SR&TD Projects Forest Fire Prevention and Fighting

Performed tasks: Evaluadora de proyectos (16)

Entity where activity was carried out: Fundação para a Ciência e a Tecnologia (FCT) **Type of entity:** State agency

City of entity: Lisboa, Portugal

Start-End date: 25/06/2020 - 15/09/2020

6 Name of the activity: Revision de Ayudas para Personal Técnico de Apoyo 2019 Proyecto PTA2019-017602-I

Performed tasks: Revision de Ayudas para Personal Técnico de Apoyo 2019 Proyecto PTA2019-017602-I

Entity where activity was carried out: Ministerio de Ciencia e Innovación **Type of entity:** MINECO

City of entity: Spain

Start-End date: 09/04/2020 - 29/04/2020

7 Name of the activity: Revision proyecto Plan Nacional PID2019-109951RB-I00 Título: CONECTIVIDAD SOCIO-ECOLOGICA EN TRAMAS RURALES Y URBANAS. MODELOS APLICADOS PARA LA PLANIFICACION DEL PAISAJE Y CONSERVACION DE LA BIODIVERSIDAD EN AMBIENTES MEDITERRANEOS

Performed tasks: Programa Estatal Proyectos de I+D+i Retos Investigación Tipo B 2019 Project PID2019-109951RB-I00

Entity where activity was carried out: Ministerio de Ciencia e Innovación **Type of entity:** MINECO

City of entity: Madrid, Community of Madrid, Spain

Start-End date: 20/01/2020 - 10/02/2020

8 Name of the activity: Revision proyecto Plan Nacional PID2019-105740RB-C21 Title: CARTOGRAFIADO ESPECTRAL Y ESTRUCTURAL 3D DE COMBUSTIBLE MEDITERRANEO PARA LA MODELIZACION DEL COMPORTAMIENTO DEL FUEGO



Performed tasks: Programa Estatal Proyectos de I+D+i Retos Investigación Coordinado 2019 Project PID2019-105740RB-C21

Entity where activity was carried out: Ministerio de Ciencia e Innovación **Type of entity:** MINECO

City of entity: Madrid, Community of Madrid, Spain

Start-End date: 28/12/2019 - 30/01/2020

- 9 Name of the activity:** Revision proyecto Plan Nacional PID2019-105740RB-C22 Title: MODELIZACION 3D DE LA ESTRUCTURA FORESTAL APLICADA A LA PRODUCTIVIDAD DE RODAL Y BIODIVERSIDAD MEDIANTE TELEDETECCION.

Performed tasks: Programa Estatal Proyectos de I+D+i Retos Investigación Coordinado 2019 Project PID2019-105740RB-C22

Entity where activity was carried out: Ministerio de Ciencia e Innovación **Type of entity:** MINECO

City of entity: Madrid, Community of Madrid, Spain

Start-End date: 28/12/2019 - 30/01/2020

- 10 Name of the activity:** Revision proyecto

Performed tasks: Review of \$5M NSERC grant application

Entity where activity was carried out: Natural Sciences and Engineering Research Council of Canada (NSERC) **Type of entity:** State agency

City of entity: Edmonton, Canada

Start-End date: 08/01/2020 - 25/01/2020

- 11 Name of the activity:** Revision proyecto

Performed tasks: Request to review NERC Highlight Topics grant proposal - Topic B

Entity where activity was carried out: NERC UK Research and Innovation **Type of entity:** State agency

City of entity: London, United Kingdom

Start-End date: 19/07/2019 - 05/08/2019

- 12 Name of the activity:** Call for SR&TD Projects Forest Fire Prevention and Fighting

Performed tasks: Evaluadora de proyectos

Entity where activity was carried out: Fundação para a Ciência e a Tecnologia (FCT) **Type of entity:** State agency

City of entity: Lisboa, Portugal

Start-End date: 25/02/2019 - 15/07/2019

- 13 Name of the activity:** Evaluacion de CVs

Performed tasks: Evaluadora Beatriz de Pinós 2018

Entity where activity was carried out: AGAUR **Type of entity:** Public Research Body

City of entity: Barcelona, Spain

Start-End date: 17/04/2019 - 09/05/2019

- 14 Name of the activity:** Annual BSF competition for research grants

Performed tasks: Evaluadora de proyectos

Entity where activity was carried out: United States-Israel Binational Science Foundation **Type of entity:** State agency

City of entity: Jerusalem, Israel

Start-End date: 15/01/2019 - 15/02/2019



- 15** **Name of the activity:** Revision 113/16 Quantifying Dryland Impact on the Global Carbon Cycle
Performed tasks: Review project Swedish National Space Board - SNSB, 113/16 Quantifying Dryland Impact on the Global Carbon Cycle
Entity where activity was carried out: Swedish National Space Board, SNSB **Type of entity:** Public Research Body
City of entity: Sweden
Start-End date: 12/08/2016 - 22/08/2016
- 16** **Name of the activity:** Revision de un expediente Convocatoria: Plan Nnal. i+d B 2011. Grupos de trabajo usuarios tradicionales de la convocat. Proyecto AGL2011-25416
Performed tasks: Revision de un expediente Convocatoria: Plan Nnal. i+d B 2011. Grupos de trabajo usuarios tradicionales de la convocat. Proyecto AGL2011-25416
Entity where activity was carried out: MICINN
Type of activity: Revisión y evaluación proyectos
Geographical area: National
Start-End date: 10/03/2011 - 16/03/2011
- 17** **Name of the activity:** Revision de un expediente para Ajuts econòmics per a la realització de projectes de recerca, estudi i anàlisi sobre seguretat a Catalunya (ISPC 2010)
Entity where activity was carried out: Agència de Gestió d'Ajuts Universitaris i de Recerca
Type of activity: Revisión y evaluación proyectos
Geographical area: National
Start-End date: 08/02/2011 - 16/02/2011
- 18** **Name of the activity:** Revisión de un expediente de la Convocatòria d'ajuts per fomentar la cooperació industrial en I+D+i a Cantàbria Agència de Gestió d'Ajuts Universitaris i de Recerca.
Entity where activity was carried out: Agència de Gestió d'Ajuts Universitaris i de Recerca
Type of activity: Revisión y evaluación proyectos
Geographical area: National
Start-End date: 16/09/2010 - 26/10/2010

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Northwest Agriculture & Forestry University **Type of entity:** University
Faculty, institute or centre: College of Fporestry
City of entity: Yangling, China
Start-End date: 05/11/2018 - 08/11/2018 **Duration:** 4 days
Goals of the stay: Guest
Provable tasks: Ponencia en Yangling International Agri-science Forum 2018, Forum on Ecological Agriculture: Green, Quality and Efficiency on November 5-8, 2018
- 2** **Entity:** College of Forestry, Northwest Agriculture & Forestry University
City of entity: Yangling, Shaanxi, China, China
Start date: 2013 **Duration:** 21 days
Goals of the stay: Guest
Provable tasks: Finalización de un proyecto de investigación en el Loess Plateau y de un borrador de un paper para Journal of Arid Environments. Scholar under the Erasmus Mundus Action 3 scholarship programme.



Summary of other achievements

- 1** **Description of the achievement:** Quinquenios concedidos: 1990-1995, 1996-2000, 2001-2005, 2006-2010, 2011-2015, 2016-2020 (nacional y autonómico).
- 2** **Description of the achievement:** Tres sexenios 2006, 2012, 2018 por la CNEAI, Ministerio de Educación y Ciencia y por la Agència per a la Qualitat del sistema Universitari de Catalunya.