

Curriculum Vitae



Personal information

First name(s) / Surname(s) **Franco Casula**

Address(es)

Telephone(s)

E-mail

Nationality Italian

Date of birth **[REDACTED]**

Gender Male

Work experience

Dates Since 1/3/2007

Occupation or position held Forest Ranger

Main activities and responsibilities Public Security Agent, Judicial Police Agent, Public Official, technical/forestry duties, Incident commander in wildfires and rural fires coordinating crews from all the agencies, Civil Protection duties, survey of surfaces affected by fire with GPS technology – GIS, GAUF operator (Analysis and Use of Fire), wildfire analyst, heli-transported wildfire operator.

Name and address of employer Corpo Forestale e di Vigilanza Ambientale Regione Sardegna (Forest Service – Sardinia), via Biasi 4, 09123, Cagliari – Italy

Dates 1/7/2020 – 31/8/2020

Occupation or position held Research professional assignment

Main activities and responsibilities Applied research activity for the development of the Climate Change Adaptation Plan for the cross-border area about Flood Risk within the ADAPT project (PO Interreg Italy France Maritime 2014-2020)

Name and address of employer Centro Euromediterraneo Cambiamenti Climatici CMCC S.C.Ar.L via A. Imperatore, 16, Lecce

Type of business or sector Applied research

Dates 1/6/2019 – 30/11/2019

Occupation or position held PostDoc Contract

Main activities and responsibilities Applied scientific research activity within the S2IGI project (Integrated Satellite Fire Management System) financed by the Sardinia Region as part of the Aerospace Research and Development Program (POR FESR Sardinia 2014-2020, Axis I – Scientific Research, Technological Development and Innovation - Action 1.2.2.). Creation of the Sardinian Maps of Rural-Urban Interfaces

Name and address of employer Consiglio Nazionale delle Ricerche – Istituto di BioEconomia (CNR-IBE)

Type of business or sector Applied research

Dates	15/4/2015 – 15/8/2015
Occupation or position held	PostDoc Contract
Main activities and responsibilities	Scientific research activity within the Ophidia project (Operational Fire Danger Prevention Platform) funded by the European Territorial Cooperation Program Greece-Italy 2007-2013 for the study of the relationships between fires and danger indices in the areas under study.
Name and address of employer	CMCC S.C.Ar.L via A. Imperatore, 16, Lecce (no profit research foundation)
Type of business or sector	Environmental Applied Research
Dates	4/2000 – 5/2001
Occupation or position held	Mariner
Main activities and responsibilities	Radio officer
Name and address of employer	Marina Militare Italiana
Type of business or sector	Corpo delle Capitanerie di Porto
Dates	1/1999 – 10/1999
Occupation or position held	Street Educator – (Educador de calle)
Main activities and responsibilities	Take contact with street children, assist them in their education process.
Name and address of employer	Compartir con los niños de la calle de Honduras – Tegucigalpa – Honduras

Education and training

Dates	Since 17/1/2010 – 6/2/2014
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Agronomy, Ecology, Agrometeorology, Ecophysiology. Automatic mapping of wildland-urban interfaces, fire risk assessment. Research focused on the problems that forest fires generate in urban-rural interface areas. Thesis title “Wildland Urban Interface: Mapping and Wildfire Risk Assessment”.
Name and type of organisation providing education and training	University of Sassari (Università degli Studi di Sassari)
Dates	1/6/2013 – 10/9/2013
Principal subjects/occupational skills covered	Research internship at the DRY-Desert Research Institute (Reno-NV-USA)
Name and type of organisation providing education and training	Research internship focused on the differences between European and north-American 1) wildfire risk problems 2) interface definitions (Wildland Urban Interfaces vs Rural Urban Interfaces)
Dates	13/3/2012 – 25/7/2012
Principal subjects/occupational skills covered	Research internship on methodologies for mapping urban-rural interfaces and quantifying wildfire risk in these areas with multi-criteria methodologies. Use of RuiMapTool©, creation and improvement of maps, use of statistical software (R, MiniTab), creation of multi-criteria schemes for risk quantification through interviews with experts
Name and type of organisation providing education and training	IRSTEA – FRANCE (ex-Cemagref). A mobility program between University of Sassari and IRSTEA-Lab.EMAX – Le Tholonet (Aix-en-Provence)
Dates	13-17/2/2012
Principal subjects/occupational skills covered	FOREST FIRES IN THE PERSPECTIVE OF GLOBAL CHANGE FUME Project – Course 1
Name and type of organisation providing education and training	INTERNATIONAL CENTER FOR ADVANCED MEDITERRANEAN AGRONOMIC STUDIES (CIHEAM) - MEDITERRANEAN AGRONOMIC INSTITUTE OF ZARAGOZA (IAMZ)

Dates 26-28/6/2012
 Principal subjects/occupational skills covered SUMMER SCHOOL on "Fire Risk Prevention and Assessment in Mediterranean areas". Fire risk and possible mitigations, relationships between fire regime and land use with focus on urban-rural interfaces, propagation simulators, fuel models
 Name and type of organisation providing education and training Università degli Studi di Sassari, Summer School in Alghero.

Dates 17/4/2008
 Title of qualification awarded Environmental Engineer
 Principal subjects/occupational skills covered Ecological Planning, Applied Geophysics, Geology, Technology of construction science, mines, soil and rock excavation and moving.
 Name and type of organisation providing education and training University of Cagliari (Università degli Studi di Cagliari)
 Level in national or international classification Vote: 110/100 cum laude

Dates 8/2006 – 10/2006
 Title of qualification awarded Forest Ranger
 Principal subjects/occupational skills covered Botany, Ecology, law applied to protection of environment, administrative and criminal law, weapons and shooting, donning of uniform, fire-fighting techniques.
 Name and type of organisation providing education and training School of the Italian State Forestry Corps (Scuola Allievi del Corpo Forestale dello Stato)
 Level in national or international classification Vote: 90/90, classification: first

Dates 1/2003 – 8/2003
 Principal subjects/occupational skills covered French, Applied Geophysics, Geology, technology in mines. Thanks to the Erasmus European Project I realized in Paris my graduation thesis as Environmental Engineer
 Name and type of organisation providing education and training University Pierre et Marie Curie, Paris VI – Jussieu Paris

Personal skills and competences

Mother tongue(s) Sardinian, Italian

Other language(s)

Self-assessment European level (*)	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
English	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Proficient user
French	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B1	Independent user
Spanish	B2	Independent user	C1	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user

Social skills and competences *I feel comfortable in social relations, I am interested in and I am open to the others. Being able to establish good relations I am at ease in multicultural contexts*

Organisational skills and competences *Generally autonomous and well organized, I am also capable to ask for some help when necessary. I am usually creative and innovative in carrying out my work. I carry forward regularly and neatly my work and I often develop it dividing the whole work in different sub-tasks. In my profession as a Forest Ranger I am ordinary the patrol leader and during wildfires I often am the Incident Commander that coordinates crews and aerial means.*

Technical skills and competences

- Use of geophysical instruments and software for data interpretation (Res2Dinv, Res3Dinv, Reflex); I learned to use them during University course and I used them for my graduating thesis.
- Use of topographical instrument (theodolite – total station, compass and gyroscopic compass); I learned to use them during University course and I use them in the archaeological excavations that the University of Cagliari made in November 1999 in Oudna (the ancient roman town of Utina near Tunes and Cartage in Tunisia). In that excavation campaign I was the topographic surveyor.
- Use of Forest measuring instruments (Pressler auger, dendrometric stand); I usually use them in my work.
- Fast typing on QUERTY keyboard; course at Universidad Pedagogica Nacional Francisco Morazan (Tegucigalpa, Honduras)

Computer skills and competences Use of Windows and Unix operating system, good knowledge of MSOFFICE pack (Word, Excel, PowerPoint, Publisher).
Good knowledge of Esri ArcGIS software acquired in the course of “Territory Planning” at University of Cagliari, developed in the Forest Ranger Service and during PhD course.
Fundamentals of programming language C++ (a course at University of Cagliari)

Artistic skills and competences Guitar.

Other skills and competences Ski guide, lifeguard, boating licence, course of caving, diving course

Driving licence A and B (motorbike and car). Boat conduction Licence

Additional information

Annexes

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