

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input checked="" type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

**WORK EXPERIENCE**

15/07/2017- present **Head of Wildfire & Forest biodiversity conservation sector**  
 CIMA Research Foundation – [www.cimafoundation.org](http://www.cimafoundation.org), Savona, Italy

- Responsible/coordinator research and development activities on wildland fires risk assessment and management.
- Responsible/coordinator of several projects implementing early warning systems for wildland fire danger prediction at regional, national and international level.

Business or sector Research

01/09/2018- present **Adjunct Professor**  
 University of Genoa, Italy

- Wildfire Risk Assessment and Management CLA in Engineering for Natural Risk Management

Business or sector Research

15/05/2009- 15/07/2017 **First Researcher**  
 CIMA Research Foundation – [www.cimafoundation.org](http://www.cimafoundation.org), Savona, Italy

- More than 10 years of relevant experience in environmental engineering, early warning system with special focus on wildland fires and numerical weather prediction, e-Science (high performance, grid and cloud computing) for wildland fire modelling and data services at regional, national and international level

Business or sector Research

## EDUCATION AND TRAINING

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01/10/1996 – 01/10/1999 **Ph.D. in Methods and technologies for environmental monitoring – EQF 8**  
University of Florence, Firenze, Italy

Skills in managing large complex project scheduling, human and financial resources, critically analysis.

01/10/1988 – 30/01/1996

**Master Degree in Electronic Engineering –**  
University of Genoa, Genova, Italy

EQF 7

## WORK ACTIVITIES

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### Main projects

2000-2003 Design and development of SPIRL - Servizio Previsione Incendi Regione Liguria (Wildfire danger prediction Regione Liguria). Funded by Regione Liguria.

2003-2005 Design and development of RISICO - RISchio Incendi e COordinamento. Extension and adaptation of the regional early warning system SPIRL at national level in Italy. Funded by Italian Civil Protection Department).

2005-2008 FP6 PREVIEW (PREVention, Information and Early Warning). Adaptation of RISICO in sub-alpine regions (Winter Fire System) and implementation in Regione Lombardia.

2006-2009 PROSCENIO. Maintenance and innovation of RISICO system. Development of phenological model and integration of satellite data.

2006-2009 FP6 CYCLOPS (CYber-Infrastructure for Civil protection Operative ProcedureS). Porting of RISICO in GILDA Grid Environment.

2009-2012 Interreg Marittimo IT-FR PROTERINA-C. Climate change impact analysis on wildfire risk. Development and application of strategies for wildland fire risk reduction. Adaptation and implementation of RISICO at regional level in Liguria, Sardinia and Corsica (FR).

2009-2010 Implementation of RISICO in Albania, training and local assistance. Funded by the Italian Cooperation Program.

2010-2012 Strengthening of the Lebanese national system for the mitigation of forest and rural fires. Implementation of RISICO in Lebanon, training and local assistance to the Lebanese Civil Defence. Funded by Italian Cooperation.

2013-2014 Adaptation of RISICO at regional level in regione Puglia. Development of web services for wildfire early warning at regional level.

2014-2016 Establishment of Sustainable Natural Resources Management Platform and Early Warning System. Maintenance and innovation of RISICO system in Lebanon. Funded by World Bank.

2016-present H2020-DRS-01 ANYWHERE (EnhANCing emergencY management and response to extreme WeatHER and climate Events). Adaptation and implementation of RISICO in Andalusia and Catalonia (ES), Finland, Bern (SW), Municipality of Genoa. Adaptation and implementation of a stochastic fire propagation model (PROPAGATOR) in case study areas.

2017-2019 Establishing a wildland fire early warning system at National Level in Bolivia within the program Strengthening the technical and operational Risk Management capacities of Bolivian Institutions involved in DRM, at national and local level (Departmental, Municipalities and Communities), in addition to implementing actions to promote families, communities and municipalities resilience to protect agricultural production and thus food security, funded by Italian Ministry of Foreign Affairs (MAE).

2018-2019 Wold Bank Consultant for Plan the Modernization of Wild/Fores - Fire Monitoring and Forecasting Services in Belarus.

2019 – present  
MED-Star - Strategies and measures for fire risk mitigation in the Mediterranean area  
Development and implementation of an interoperable platform for wildfire risk prediction, prevention and management in the Marittimo Area (PACA Region, Liguria, Tuscany, Sardinia and Corsica)

2019 – present  
MED-COOPFIRE Mediterranean cooperation to protect forests from fires  
Development and support to operational use of the fire spread simulator  
PROPAGATOR in Liguria Region  
2020 – present  
H2020 SAFERS  
**Tutoring activities** Developing wildfire emergency management tools combining EO and AI  
  
Tutoring for several Ph.D., internships, and master of science students

## ADDITIONAL INFORMATION

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**Publications** Total number of publications in peer-review journals: 22  
Total number of citations: 387  
H index (Scopus): 10

Trucchia, A., Meschi, G., Fiorucci, P., Gollini, A., Negro, D. Defining Wildfire Susceptibility Maps in Italy for Understanding Seasonal Wildfire Regimes at the National Level (2022) *Fire*, 5 (1), art. no. 30. DOI: 10.3390/fire5010030

Vanella, M., McGrattan, K., McDermott, R., Forney, G., Mell, W., Gissi, E., Fiorucci, P. A multi-fidelity framework for wildland fire behavior simulations over complex terrain (2021) *Atmosphere*, 12 (2), art. no. 273. DOI: 10.3390/atmos12020273

Bustillo Sánchez, M., Tonini, M., Mapelli, A., Fiorucci, P. Spatial assessment of wildfires susceptibility in santa cruz (Bolivia) using random forest (2021) *Geosciences (Switzerland)*, 11 (5), art. no. 224. DOI: 10.3390/geosciences11050224

Trucchia, A., D'andrea, M., Baghino, F., Fiorucci, P., Ferraris, L., Negro, D., Gollini, A., Severino, M. Propagator: An operational cellular-automata based wildfire simulator (2020) *Fire*, 3 (3), art. no. 26, pp. 1-24. DOI: 10.3390/fire3030026

Tonini, M., D'andrea, M., Biondi, G., Esposti, S.D., Trucchia, A., Fiorucci, P. A machine learning-based approach for wildfire susceptibility mapping. The case study of the Liguria region in Italy (2020) *Geosciences (Switzerland)*, 10 (3), art. no. 105. DOI: 10.3390/geosciences10030105

Pulvirenti, L., Squicciarino, G., Fiori, E., Fiorucci, P., Ferraris, L., Negro, D., Gollini, A., Severino, M., Puca, S. An automatic processing chain for near real-time mapping of burned forest areas using sentinel-2 data (2020) *Remote Sensing*, 12 (4), art. no. 674. DOI: 10.3390/rs12040674

Turco, M., Bedia, J., Di Liberto, F., Fiorucci, P., Von Hardenberg, J., Koutsias, N., Llasat, M.-C., Xystrakis, F., Provenzale, A. Decreasing fires in Mediterranean Europe (2016) *PLoS ONE*, 11 (3), art. no. e0150663. DOI: 10.1371/journal.pone.0150663

D'Andrea, M., Fiorucci, P., Holmes, T.P. A stochastic Forest Fire Model for future land cover scenarios assessment (2010) *Natural Hazards and Earth System Science*, 10 (10), pp. 2161-2167. DOI: 10.5194/nhess-10-2161-2010

Mazzetti, P., Nativi, S., Angelini, V., Verlato, M., Fiorucci, P. A Grid platform for the European Civil Protection infrastructure: The Forest Fires use scenario (2009) *Earth Science Informatics*, 2 (1-2), pp. 53-62. DOI: 10.1007/s12145-009-0025-8

Fiorucci, P., Gaetani, F., Minciardi, R. Regional partitioning for wildfire regime characterization (2008) *Journal of Geophysical Research: Earth Surface*, 113 (2), art. no. F02013. DOI: 10.1029/2007JF000771

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV