

Laura Espinosa | Fire Investigator

Bogotá, Colombia, 110111

909.331.4872

+57 310 845 9456

Laura.Espinosa@efiglobal.com

Professional Summary:

Ms. Espinosa has six years of experience as a volunteer firefighter with expertise in training, inspection, and testing of water-based fire protection systems, rescue, comprehensive management of fires and emergencies with hazardous materials, and first aid and life support and was the co-coordinator of the HazMat response group and member of the aquatic rescue group. Ms. Espinosa holds a master's degree in Disaster Risk Management and Climate Governance. Ms. Espinosa is a registered Professional Engineer in Colombia and a Fire Investigation Technician (FIT) certified by the International Association of Arson Investigators (IAAI).

Ms. Espinosa started with EFI Global in 2022; her responsibilities include conducting detailed fire scene analyses to determine the causes, origin, and spread of fires, collecting and preserving physical and photographic evidence for subsequent analysis, achieved through scientific techniques and specialized tools to study combustion patterns and materials involved in fires. Preparing detailed technical reports documenting the findings and conclusions of fire investigations.

Areas of Expertise:

- Fire Investigation
- Technical Report Writing
- Data Analysis
- Firefighting
- Inspection and Testing of Water-Based Fire Protection Systems
- Disaster Risk Management

Licenses and Certifications:

Registered Engineer in Colombia, #061021-0574441 CAU (Environmental Engineer)

International Association of Arson Investigators (IAAI) Fire Investigation Technician (IAAI-FIT®)

Project Experience:

Fire Investigation, COMPAS, Barranquilla, Colombia

Technical support as a junior fire investigator in determining the origin, cause, and development of a fire that occurred in December 2022 at the Bravo Petroleum Logistics de Colombia oil derivatives supply plant within the COMPAS facilities in the city of Barranquilla, Colombia.

Fire Investigation, APL Logistics, Santiago, Chile

Technical support as a junior fire investigator in determining the origin, cause, and development of the fire that occurred in March 2023 at Bodegas San Francisco, affecting the APL Logistics warehouses in the city of Santiago de Chile.

Fire Investigation, Transaltisa, Lima, Peru

Leading fire investigator in determining the origin, cause, and development of the fire that occurred in June 2023 at the north adjoining property to Transaltisa headquarters, affecting a portion of Transaltisa's structure.

Fire Investigation, Marcimex, Santo Domingo, Ecuador

Leading fire investigator in determining the origin, cause, and development of the fire that occurred in August 2023 at the Marcimex warehouse in the city of Santo Domingo, Ecuador.

Fire Investigation, Alpina, Sopo, Colombia

Technical support as a junior fire investigator in determining the origin, cause, and development of the fire of an electrical substation that occurred in September 2023 at Alpina's manufacturing plant in the city of Sopo, Colombia.

Fire Investigation, Banco de la Republica, Bogota, Colombia

Leading fire investigator in determining the origin, cause, and development of the fire that occurred in October 2023 at the Banco de la Republica Casa de la Moneda museum, affecting the roof insulation and some pieces of art from the museum's exhibition.

Fire Investigation, CONTECAR, Cartagena, Colombia

Leading fire investigator in determining the origin, cause, and development of the fire that occurred in March 2024 at the International Logistics Distribution Center of CONTECAR, affecting the warehouse of GrupoDistri, a logistics operator, with merchandise of Bayer and Pirelli in the city of Cartagena, Colombia.

Fire Investigation, CAT336D, Cienaga, Colombia

Technical support as a junior fire investigator in determining the origin, cause, and development of the fire of a Caterpillar 336D excavator that occurred in March 2023 at the La Maria Landfill in the city of Cienaga, Colombia.

Fire Investigation, Ecomedics, Pesca, Colombia

Leading fire investigator in determining the origin, cause, and development of the fire that occurred in August 2024 at the Ecomedics' marihuana post-harvest warehouse in the city of Pesca, Colombia.

Professional Experience:

EFI Global | Colombia. Environmental Analyst, August 2022 – present.

Ambipar Response | Colombia. Training Business Executive, December 2021 – April 2022.

Popayan Volunteer Fire Department. Trainer and Volunteer Firefighter, 2016 – 2022.

Education:

Specialization Course in Forensic Fire Investigation, Isabel I de Castilla International University, Burgos, Spain, January 2023.

Master of Engineering, Disaster Risk Management, and Climate Governance. Alfonso X El Sabio University, Madrid, Spain, 2022.

Bachelor of Engineering, Environmental Engineering, Universidad del Cauca, Popayan, Colombia, 2021.

Firefighting Level I-II, Popayan Volunteer Fire Department, November 2016.

Courses:

Specialization Course in Forensic Fire Investigation, ESSIIF, Sevilla, Spain, January 2023.

Fundamentals of Fire Investigation. IAAI, Buenos Aires, Argentina, November 2022.

Fire Investigator Scene Safety. IAAI, CFI Trainer.net, September 2022.

Understanding Fire Through the Candle Experiments. IAAI, CFI Trainer.net, August 2022.

Ethics and the Fire Investigator. IAAI, CFI Trainer.net, August 2022.

NFPA 1033 and Your Career. IAAI, CFI Trainer.net, August 2022.

The Practical Application of the Relationship Between NFPA 1033 and NFPA 921. IAAI, CFI Trainer.net, August 2022.

Incident Command System, ICS-100. FEMA, May 2022.

Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems under NFPA 20 – 25, ERTS-EQUIMISEG, Bogotá, Colombia, 2018.

Affiliations:

International Association of Arson Investigators (IAAI)

Consejo Colombiano de Seguridad (CCS)

Consejo Profesional Nacional de Ingeniería (COPNIA)