

Marco TOSI

POSITION Freelance Environmental Expert, Projects' Monitoring Expert, and Geophysicist

WORK EXPERIENCE
From 06/2013 to present

Senior Monitoring Expert of the LIFE Environment team

Until 2013: ASTRALE EEIG - Timesis srl; since 2015: NEEMO EEIG - Timesis srl, Since 2023 ELMEN EEIG - Timesis

Client: European Commission (including DG-ENV, EASME and CINEA)

Technical, administrative, and financial Monitor of Italian projects funded under the EC LIFE programme. So far 28 projects were monitored.

Themes/policy areas: Governance, Environment and Circular Economy (6 projects), Climate Change (1 project); Waste and Natural resources (11 projects); Water (2 projects); Air (2 projects); Soil (1 project); Chemicals (2 projects), Environment and Health (2 projects), Noise (1 project)

General Tasks:

- Write evaluation reports about the status of the projects.
- Provide support and assistance to the beneficiaries in the understanding of the LIFE regulations (i.e. the Common Provisions and the Special, General Conditions ...)
- Organise and perform annual missions to visit the projects sites and write mission reports.
- Participate in the horizontal, kick off and inventory meetings at EU level.
- Evaluate the beneficiaries' report, deliverables and outputs.
- Support the beneficiaries in finding other projects for networking activities.
- Analyse the policy aspects and relevance of projects, as well as their replicability and sustainability capabilities.
- Verify Key Project Indicators (KPI) and support the beneficiaries in the correct introduction of figures in the KPI webportal.
- C2M (Close to Market) monitor, with specific assignment to support the beneficiaries in enhancing C2M aspects and compiling related checklists.

Special Tasks:

Organiser of LIFE Platform Meeting on Green Mobility (held on 12-13 October 2022)

- Select, study and contact LIFE projects, to organise a group involving "Innovative Materials and Technologies for green mobility".
- Promote networking, including exchanges of best practices and lessons learnt between ongoing and closed LIFE projects, NGOs, relevant stakeholders and other EU-funded projects.
- Convey strategic feedback and provide valuable input to policy makers to contribute to the planning, implementation and update of environmental, climate and energy policies.
- Promote the added value of the LIFE Programme in the field of Green Mobility and showcase selected projects.

Ex-Post visits.

- Ex-post monitoring visit to 2 closed projects in September and October 2022, to assess impacts of interventions after the project completion.
- Write reports on the outcomes of the visits.
- Contribute to the LIFE Soil Ex-Post Study - Final Report, published in LIFE website.

Speaker at the EMD (European Maritime Day, Ravenna 19-20/05/2022)

- Presentation to highlight the peculiarities of the LIFE programme.
- Illustrate of LIFE funding opportunities for blue economy.
- Brief description of 4 LIFE successful projects.

from 02/2013 to present

Geophysicist

Self-employee – expert in near surface techniques (Seismic refraction, Down Hole, Cross Hole, Geoelectrical 2D and 3D, MASW, Georadar, Magnetometry, Gravimetry).

Planning, implementation and management of applied geophysical surveys in environmental projects. Main tasks consisted in:

- **Planning Geophysical Campaigns**, according to clients' necessity and project's scope, and Organisation of data collection.

- **Team Management** of field activities.
- Acquisition of data on the field.
- **Data Quality Assessment**, Implementation of collected data analysis and GPS mapping.
- **Data processing**: seismic, geo-electric, MASW, microtremor, geo-radar.
- **Data interpretation** based on the results of the data analysis.
- **Writing reports** on the results achieved.
- Organisation of meetings with clients to discuss the results achieved and possible solutions.
- Financial management of the activities.
- Geological and geophysical reporting.

(some of the) Main Projects:

- Green Ammonia Plant – Duqm (Sultanate of Oman). Geoelectrical survey aimed at assessing presence of possible cavities or ground weaknesses, for foundations design.
- University of Rome La Sapienza – Research Center Ce.Ri. – Tomographic Seismic Investigation to characterise the fields in Ailano.
- Continuous collaboration as external assistance and foreign countries Project Manager for SOGET srl (Applied Geophysics Company based in Lucca – IT)
- Oman Rail project, responsible of seismic and geoelectrical data acquisition and QC for the preliminary design of the Oman Rail and following data processing
- Oman (Quriyat area) survey, responsible of seismic data acquisition and QC for the Quriyat – Ramlah dam construction and following data processing
- Environmental reclamation of “Socciglia” landfill (Lucca, Italy): geoelectrical investigations for the identification of wet wastes, biogas accumulations and polluted areas. Study of feasibility for the environmental restoration of the area.
- Solvay industry landfill (seat of Massa, Italy): geoelectrical investigations for the identification of polluted zones. Study of feasibility for the environmental restoration of the area.
- Residential building in the Livorno Province: “Limoncino” (new district of Livorno) and Rosignano. Geophysical surveys. Down hole and MASW for deriving building parameters. Seismic investigations for the characterization of seismicity and for the acquisition of geotechnical parameters.

Business or sector: Geophysical investigations aimed at supporting environmental reclamation projects dealing with construction, landslides, water resources and waste issues

from 11/2011 to 12/2012

Team leader (national contract of the chemical industry)

DEREF S.p.A. (seat of Pisa, Italy); URL: www.deref.com (Chemical industry in the field of reuse and recycling of refractory materials)

Main carried out activities:

- Production process control and reports elaboration.
- Team leader (Management and control of the workers team during demolition activities and the production processes).
- Registration of the flux of wastes derived from industrial refractory materials demolition.
- Management of relationship with suppliers and customers.
- Financial management and Cost assessment of the activities carried out by the workers team. Assessment of suppliers' economic proposals.

Business or sector: Demolition, recovery and recycling of industrial refractory materials

from 01/2006 to 01/2010

Part-time Researcher

For the Earth Sciences Department of the University of Pisa (Italy)

- Management Plan of the Roglio River basin (Valdera, Tuscany).
- Collection and study of river sediments
- Hydrographic monitoring of the Roglio river
- Lab analysis and study of suspended sediments
- Study of relationship between hydrographical trends and sedimentary badlands origin in the Roglio river basin.

Business or sector: Hydrogeology, River Basin Management.

from 07/2006 to 08/2006

Technical Employee

Semag s.n.c., Cascina (Pisa, Italy)

- Management of the production and selling chains of clothes from the end of the production of the clothes to their distribution: warehouseman, clothes-wear quality control, logistic and shipment monitoring.

Business or sector: Quality control of textiles, logistic and shipping

EDUCATION AND TRAINING

Since 2016 - Ongoing

NEEMO e-learning modules for Monitoring Experts

NEEMO EEIG produced e-learning modules on the main environmental, nature and climate action policies. These modules were created jointly with Ecologic Institute in Berlin and in close collaboration with the DG ENV and DG CLIMA technical units.

E-learning modules and related tests accomplished so far: (i) NAT1 - EU nature legislation and biodiversity policy; (ii) EU climate change policy framework; (iii) EU Water policy; (iv) EU Circular Economy & Resource Efficiency; (v) Targets 2 and 5 of the EU Biodiversity Strategy; (vi) Financial monitoring; (vii) EU Climate Change Policy Framework v2; (viii) EU Marine Policy; (ix) Technical Monitor's role in carrying out the ex-ante checks; (x) Chemicals & Health; (xi) Air Pollution; (xii) Agriculture & Soil.

from 09/2008 to 10/2011

Master degree in Exploration and applied and Geophysics

110/110 cum laude

Faculty of Mathematic, Physics and Natural Sciences (University of Pisa)

Exploration Seismology, Seismic section interpretation and geophysical log, inverse problems in geophysics, applied geophysics and laboratory, advanced physics, applied geomorphology, seismic stratigraphy, numerical processing of geophysical data, signals theory. Thesis title: *Interferometric analysis of coda waves: L'Aquila Earthquake (2009) case study*

from 09/2005 to 10/ 2008

Bachelor degree in Geological Sciences

110/110 cum laude

Faculty of Mathematic, Physics and Natural Sciences (University of Pisa)

Geology, geomorphology, cartography, structural geology, petrography, mineralogy, geochemistry, remote survey, laboratory of numerical elaboration of geological data. THESIS TITLE: *Simulation of seismic acquisition: models with lateral velocity variation analysis*

from 09/2001 to 12/2004

Bachelor degree in Business Economics

Economics Faculty (University of Pisa)

Enterprises economics, micro and macro economics, finance science, financial mathematics, business organization, costs accounting, principles of projects financial assessment, private and public law. THESIS TITLE: *Italian PIL as a welfare index*

from 09/1999 to 06/2001

Conservatory Diploma in Music

Conservatory "L. Boccherini", Lucca (Italy) - Instrument Traverse Flute

PERSONAL SKILLS

Mother tongue(s)	Italian				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C1	C2
	TOEFL test 253/300.				
French	B1	B2	B2	B1	B2

- Communication skills**

Enhanced communication skills through a variety of experiences, including managing Geophysical projects for diverse clients, serving on the LIFE monitoring team, and delivering presentations at events and conferences;
 Demonstrated proficiency in writing both evaluation and results reports.
 Very good ability to work in multicultural environments, thanks to works carried out abroad and within the LIFE monitoring frame;
 Developed exceptional teamwork skills through participation in numerous international experiences.
- Job-related skills**

Excellent knowledge of the EU-LIFE Common Provision and financial guidelines
 Excellent knowledge of the near surface geophysical investigation methods and related equipment and software.
 Projects management, Geophysical campaign management, data acquisition, QC and processing.
 Ability to work in harsh environment and under difficult conditions.
 Demonstrated attitude of respecting deadlines and organisation capability.
- Computer skills**

Knowledge of Office (Word, Excel), good knowledge of LaTeX language, operative system Microsoft Windows and Linux, and programming languages (MATLAB).
 Specific software for inversion of geophysical data (Rayfract, Earthlab and others)
 European Computer Driving License ECDL - FULL LEVEL.
 Knowledge of specific applications for seismic and exploration geophysics (SAC PROMAX).
 Basic knowledge of GIS systems (ArcGIS e ArcMAP) obtained through laboratory activities at Earth Sciences department of the University of Pisa
- Relational skill**

Capable of team working and able to work autonomously.
- Driving licence**

International driving licence type **A** and **B**
 (Car and Motorcycles)