

Dr Souad SEGHIR



Project Coordinator

**Environmental scientist
Project Manager
WASH, IMWR,**

CONTACT DETAILS

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Formation

2010-2011

College/University: IAE Limoges

Diploma not obtained: Master of Business Administration

2005 - 2010

College/University: Doctoral School of Limoges Switzerland

Degree: PhD.

Examinators : Pr Renata Behra (EAWAG)

Original title: PhD in Environmental Sciences, Chemistry & Microbiology of Water

2004-2005

College/University: Joseph Fourier University - Grenoble, France

Degree obtained: M.Sc.

Original title: Master Chemistry, chemistry option -, biology

Skills

Expertise: Excellent knowledge of the research sector, the international cooperation, the public administrations, the private sector related the water

- water management : water resource protection, supply, sanitation, urban water management, lake systems (subject of my thesis: eutrophication and lake systems)
- microbiology and chemistry of Water, Environment
- Process water system
- Public administration
- Industrial Engineering & research sector
- Implementation of public water policy
- Water quality expert
- Aquatic ecology
- Health management
- Water Resources Adaptation and Relief Plan

Skills

Hard Skills – senior project manager

Project Management |Organizational Savvy |Strategy Planning |Resource coordination| Change Management | Sales Enablement Resource Management | Budget Management & Finance | Customer Service | Contract Negotiations | Procurement & Purchasing | Regulatory Compliance |Process Improvement Contract Negotiations | Procurement & Purchasing | Complex Communications | Reporting Cross-Functional Leadership Team Building | People Management | Relationship Building | Active Listening | Negotiations | Collaboration | Conflict Resolution | Process Evaluation & Improvement Stakeholder Engagement |

Softs Skills

Proactive | Positive Leadership |Team spirit| Strategic vision with adaptation and flexibility| Commitment | Accountable | Ethic values| Force of proposal and conviction| Ability to prioritize

Language skills

	Spoken	Read	Writing
French	Mother tongue		
English	B2	Very good (C1)	Very good (C1)
Spanish	Basic knowledge (A2)	Basic knowledge (A2)	Basic knowledge (A2)

SOFTWARE SKILLS

Proficient in MS Office 365, Adobe Photoshop, MINEQL+, MESURESTEP, BO, SAGA, and GIS (Arvue), ERP PRO CONCEPT

International experience

France, Switzerland, Asia (Cambodia & Philippines), Saudi Arabia, United Arab Emirates, Czech Republic, Haiti

Experience

Period	Name of employer, professional title	Professional title Position held,	Country	Number of people managed
01/05/2022	We ² consulting	Director - Project Manager	France – Switzerland	
01/07/2019 01/04/2022	ICE Water Management	Project Manager, Technical Coordinator, Lean Manager	France	3 services
01/01/2019 01/06/2019	Bert Consultants	Head of Water & Sanitation Projects	France	
01/01/2018 31/12/2018	ARS Delegation Ministry of Health and Environment	Head of the Water Unit of the Haute Savoie Department Member of the CODIR	France	8
01//04/2011 31/12/2017	EPCI – C3R	Head of the Water and Sanitation service	France	20
01/09/2009 2011	Soil Water and Research Group	Assistant professor	France	
01/05/05 01/09/05	Silliker S. Has	Manager of the laboratory	France	10
01/01/05 30/06/05	CEA Chemistry and Biochemistry Unit of redox centers:	Assistant Engineer	France	
01/03/04 30/05/04	CEA Biochemistry & Biophysics of Automated Systems Unit	Assistant Engineer	France	

Non-exhaustive list of projects

Project Manager for Water, Environment, Energy Consulting

Project Manager WASH

- Coordination and management of water projects
- Exchange with internal and external stakeholders
- Monitoring of budgets
- Assessment projects WASH , IWRM, water governance, climate change
- Development and support for water policies implementation
- Research & Innovation activities

Projets

WASH project support for the NGO Inter Aide

Evaluation of project (duration 3 years) on Improving hygiene practices, access to sanitation and drinking water, water protection, in the rural sections in Thomonde and Maissade, HAITI

- Budget : 500 000 euros
- Duration : 3 years

Advisor & Project manager in water management and water governance: surface water, groundwater, catchment protection for confidential clients

WATER TREATMENT PROJECT MANAGER & TECHNICAL COORDINATOR

Project Manager :

- ✓ Develop industrial processes (water treatment, water resource protection, Water saving) : Tender, PID, PFD
- ✓ Lead engineers to the development and implementation of project management systems and project controls
- ✓ Perform site inspections of contracted work to check conformity with design intent
- ✓ Preparation and coordination of projects including management of offers, budgets, resourcing and people management, quality, and design integration
- ✓ Develop excellent client relationships

Projects :

Project Manager –Technical leader for 5 projects at the same time about water production plant/brewery/fruit juice

Monitoring and follow-up of a design project construction and commissioning of 5 bottled water lines

- Budget: €8 million
- Construction duration: 18 months
- On-site staff: 5 to 15 people

Follow-up of a bottled water plant extension – Dubai

- Budget: €1 million
- Duration: 6 months
- On-site staff: 3 to 6 people

Tracking of a design project construction and commissioning of a brewery / fruit juice 10 000 L / h in French Polynesia

- Budget: €200,000
- Duration: 8 weeks

- Managed design, purchasing, shipping, engineering teams
- On-site staff: 3

Leading of a "Water Saving" project in Cambodia

- Circular economy project involves the implementation of a recycling system of water used in the process " water saving ".
- a 25,000 L/h cleaning-in-place (CIP) system in Cambodia
- implementation of a UV sterilization system
- Addition of a automatism for remote control of the factory
- budget: €150,000
- Duration: 5 weeks
- Managed various services: Pre-sales, Process, BE design, purchase, shipping, start-up

HEAD OF WATER DEPARTMENT OF HAUTE SAVOIE

Principal water resources Regulation Officer:

- ✓ Plan and monitor national and international water resources, water regulatory projects
- ✓ In charge of the government relations between France – Switzerland about control sanitary of water
- ✓ Prepare reports, ministerial correspondences and executive briefing notes on water regulatory procedures, policy, compliance and legislation
- ✓ Responsible for day-to-day management of a team of over 8 water regulation officers in the department.
- ✓ Communicate with the different partners (elected officials, administrations, lobbyists, consultants, agents, suppliers, subcontractors, etc.)
- ✓ Manage and follow up of curative and preventive solutions in the context of network, resource, supply and pollution.
- ✓ Implement environmental health surveillance and administrative and technical control of hygiene rules
- ✓ Implementing national and regional health and environment plans
- ✓ Define and ensure that health objectives are taken into account in public policies
- ✓ Contribute to the preparation of exceptional situations (pollution, etc.)
- ✓ Ensure the monitoring and management of health alerts
- ✓ Participation in health crisis management operations
- ✓ Leading the administrative and technical instructions from the environmental minister to the department
- ✓ Inspection missions of water supply system structures and installations
- ✓ Development of control plans with the laboratory and network managers and operators
- ✓ Responsible of the water quality for the department of Haute Savoie and the Public health

Projects :

Implementation of the Departmental Water Plan for safety and security

- ✓ Implementation of the planification for a water governance and a water management
- ✓ Conoordinationg of a regional working group about the safety and the security of drinking water
- ✓ Implementation of the Franco-Swiss transboundary plan for the security and the safety of water from the resource to the supply
- ✓ Resource Security Actions

Management and monitoring of departmental health control of drinking water production and distribution units for human consumption: user, industrial, agri-food:

- ✓ Development of control plans, relationship with the laboratory and network managers and operators, management of non-conformities in the context of the control of feedwater, surface water and managed bathing, annual reports and summary reports,

- ✓ 7169 samples and analyses for the compliance of drinking water and supply in drinking water production units, ground and surface water, including 6061 on distributed water 308 re-controls following non-conformities.
- ✓ 327 non-compliant bacteriological test results out of 5674: 5.8%
- ✓ 49 non-compliant physico-chemical analysis results out of 7100: 0.7%

Administrative and technical instructions for authorization and declaration of drinking water and protection of water resources for safety and security:

- ✓ 94% of sources protected commitment

PRINCIPAL WATER REGULATION OFFICER & MANAGER

- ✓ Acting as director interim, responsible for management of over 20 people
- ✓ Day to day management of over 8 people
- ✓ Provide project management, client relationships, team leadership and mentoring of staff, budgets
- ✓ Prepare reports, departmental correspondences and executive briefing notes on quality of water and wastewater processes.
- ✓ Professional correspondence, organizing events, publicity, recruitment, team supervisor and training, mentoring, supporting staff, international collaboration
- ✓ Manage negotiation and conflict resolution processes with interested or affected parties to resolve sensitive and /or complex disputes.
- ✓

Projects

Implementation of the Renovation of the Rumilly WWTP:

- Renovation of the Rumilly STEP Phase I & Phase II
- Rehabilitation of the primary decanter in storm ponds
- Physico-chemical phosphate removal and effluent counting channel by-past
- Upgrading of pre-treatments, Transfer of the sludge treatment workshop
- Budget : 4M€ HT

Creation of the Water and Sanitation & Service Management department:

- Management of a multi-year budget: €6,922,000 HT
- Implementation of the revision of the intermunicipal sanitation master plan 345000 € HT, assembly of the consultation file
- Compliance on collection and treatment with a 5-year increase of 55% to 92%
- Administrative and technical management of the works: 394 km AEP, 50 reservoirs, 10 production plants, 3457 ANC installations, 15 STEPS, 19 PR, 194 linear km of sewerage network.
- Management of WWTP sludge recovery (cleaning, spreading, composting, analysis)
- Examination of urban planning files, implementation of the PLUi
- Implementation of grant files and communication with public and private partners
- Management of a service and staff; Management of 17 employees: 5 administrative agents, 12 technical agents.
- Compliance of the water quality of the networks: 55% to 92% end of
- 15% reduction in expenses

Implementation of the revision of the inter-municipal sanitation master plan

- Budget : 345000 € HT

ENVIRONMENTAL WATER RESEARCH SCIENTIST - ASSISTANT PROFESSOR

Technical skills:

- ✓ Hydrodynamic and water quality data analysis (chemical and microbiological analysis)
- ✓ Modeling of fate and transport of toxic substances, ETM and their impact on dynamics of populations of aquatic organisms
- ✓ Modeling transport and transformation of nutrients
- ✓ Created hydrodynamic models, supervision of water quality determined to copper treatment impact
- ✓ Evaluation of impact of toxicants on aquatic population dynamics

Laboratory special skills:

- ✓ Analytical chemistry: Traces analyses, ICP –MS, ICP-OES, Spectrometry, HPLC, speciation, bioavailability
- ✓ Microbiology: Aquatic biology and ecology: bioassays, microscopy, ecotoxicology, aquaculture
- ✓ Data analysis, optimization and development of sampling technique
- ✓ Organization, management and realization of sampling campaigns

Communication

Communication (2 publications, the third in the process of submission):

- Short term copper toxicity on *Microcystis aeruginosa* and *Chlorella vulgaris* using flow cytometry. *Aquatic Toxicology*.
- Cell surface characterisation of *Microcystis aeruginosa* and *Chlorella vulgaris*; *Journal of Colloid and Interface Science*.

Speaker :

- AGUAPAN – Evaluation of NGOs Projects on 1st December 2022
- 9th European Meeting on Environmental Chemistry (Girona,Spain) from 3rd to 6th December 2008.
- From the origins to the dangers of seaweeds and cyanobacteria. Science Festival 2010- Ethique toi Biodivers.
- Evaluation of copper toxicity and Metal-Organism reactivity. Scientific Day GIS Cyanobacteria,GRISCYA from January 29th to 31st, 2007 in Auvers sur Oise
- Evaluation and modelling of copper toxicity on cyanobacteria. First Scientific Day of Ph.D at the IFR GEIST, January 31st, 2008 in Limoges

Lecturer - Training provided

University of Lyon 2010-2011; 2011 -2012

- Professional License in Water Chemistry

University of Limoges 2008_2009; 2009-2010

- Training and awareness of students on safety, hygiene
- University education: modules in chemistry, microbiology (Bachelor's to Master II level)
- Introduction to student instruments (Bachelor's to Master II level)

Membership in professional associations

Platform

November 2019 – present: Co-founder of the Minerva initiative:

<https://www.wisewaterdevelopment.net> with associates from different countries, It is a virtual platform and partnership in the field of Water Governance for Climate Change Resilience. The mission of the initiative is knowledge sharing, advocacy and empowerment of local communities and stakeholders, with a presence in various countries around the world.

COORDINATOR AND CO FUNDER

- Minerva Wise Water Development advises local water and climate adaptation initiatives and promotes knowledge exchange between different types of stakeholders to enable them to acquire greater collective wisdom on water.
- Manage the development of the initiative : support, partners, communication
- support local initiatives aiming to build resilience to climate change, with emphasis on sharing knowledge and experience in different ways in situations where the most important challenges and risks are water related.

References

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Personal data

Date of birth :	08/04/1981
Nationality / Country of residence :	French / France/ Switzerland
Status	Married, 3 children