

FAMILY NAME: JOUANNEAU
FIRST NAMES: Nicolas, Dany, Slim
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EDUCATION:

INSTITUTION	DATE FROM	DATE TO	DEGREE (S) OR DIPLOMA OBTAINED
University of the Littoral Côte d'Opale (ULCO), Boulogne-sur-Mer, France	01/09/2009	13/04/2013	PhD in Geophysics (Oceanography and Ocean Modelling)
University Bordeaux 1, France	2002	2003	(MSc) in Environmental Sciences with honors (Thesis: Meadows effects the tidal hydrodynamic and on the sediments transport within the Arcachon Lagoon)
University Bordeaux 1, France / Southampton Oceanographic Centre, UK	2001	2002	Master's degree in environmental sciences (Sediment Dynamics and Ocean Modelling)
University Bordeaux 1, France	2000	2001	Bachelor's degree in Geology (Earth and Universe Sciences)
Undergraduate Degree in Physics and Chemistry University Rouen, France	1998	2000	Undergraduate Degree in Physics and Chemistry

LANGUAGE SKILLS: Indicate competence from A1 (beginner) to C2 (proficient)

LANGUAGE	READING	SPEAKING	WRITING
French	Mother tongue	Mother tongue	Mother tongue
English	C1	C1	C1
Spanish	C1	C1	C1
Portugal	B1	B1	B1
Arabic, Sinhale, Czech	A2	A2	A2

OTHER SKILLS (E.G., COMPUTER LITERACY, ETC.): Full computer literacy and scientific programming knowledge: MATLAB, PVWAVE, SEDTRANS, R, MARS3D; Formating and publishing: Office, CorelDraw, Photoshop; Mapping: and bathymetry: SURFER, DELFT 3D, ARCVIEW 9, MAPINFO, ARCGIS; Field Instruments: GMS-2 (GIS mapping device) S4, ADV, DGPS, ADCP, GMS-2) Theodolite.

PRESENT POSITION: Managing Director of Oceanlab France

YEARS WITHIN THE FIRM: Since 04/2015

KEY QUALIFICATIONS (RELEVANT TO THE PROJECT):

- **PhD-qualified Geophysicist, Oceanographer and Environmental & Water Resources Expert with more than 20 years of professional experience** in physical oceanography, coastal and marine environments, water-resources management, environmental protection, climate-change adaptation, pollution assessment and remediation, disaster-risk reduction and sustainable development. Combines a strong scientific background with extensive international consulting, project-management, fieldwork, institutional support and capacity-building experience.
- **Strong evaluation, assessment and analytical experience across environmental, water, climate and coastal-sector interventions**, including environmental and ecological audits, Environmental Impact Assessments (EIAs), climate-vulnerability assessments, multi-hazard risk assessments, feasibility and cost-effectiveness studies, technical-performance assessments, water-quality evaluations and contaminated-site assessments. Experienced in analysing project relevance, technical feasibility, environmental effects, sustainability, risks, institutional capacity and proposed mitigation measures, and in translating findings into practical recommendations, prioritised interventions and implementation plans.
- **Extensive expertise in marine and coastal management**, including hydrodynamic and ocean modelling, coastal circulation and morphology, pollutant and sediment transport and dispersion, coastal water-quality monitoring, bathymetric and hydrographic surveys, marine EIA, sedimentology, marine ecology, underwater observation, GIS-based mapping and environmental monitoring. Applied this expertise to coastal water-quality, marine-energy, pollution-control and desalination-infrastructure assignments in France, Monaco, Kuwait and Australia.
- **Extensive experience in water resources, hydrogeology and water-quality management**, covering groundwater protection, aquifer monitoring and vulnerability mapping; drinking-water and wastewater treatment; reverse-osmosis systems; rehabilitation, sanitisation and chlorination of artesian and drinking-water wells; identification of contamination sources; and prevention of microbiological contamination and water-borne diseases. Supported post-tsunami water-treatment initiatives in Sri Lanka and groundwater-management, potable-water laboratory and well-rehabilitation projects in the Kurdistan Region of Iraq.
- **Strong practical expertise in water-quality monitoring**, field sampling and laboratory analysis, including the design of sampling protocols and monitoring systems and the measurement and interpretation of TOC, pH, conductivity, salinity, turbidity, suspended solids, BOD and COD. Experienced in groundwater, seawater, sediment and biological sampling, hydrochemical analysis and microbiological water-quality control, complemented by training in bacterial and viral sampling methods at the Prague National Institute of Public Health.
- **Substantial experience in environmental pollution and contaminated-site assessment and remediation**, covering POPs, PCBs, obsolete pesticides, dioxins and furans, hydrocarbons, mercury and other heavy metals, radioactive contamination and microbiological pollution. Expertise includes pollution inventories, contamination-source identification, hotspot and migration mapping, ecological and human-health risk assessment, feasibility studies, remediation-option analysis, environmental monitoring and preparation of prioritised remediation and management plans, including UNIDO/GEF assignments related to the Stockholm Convention in Morocco and marine-contamination studies in Kuwait.
- **Strong climate-change adaptation, resilience and disaster-risk management profile**, with experience in climate projections, scenario-based vulnerability analysis and mapping, multi-hazard risk assessment, Early Warning Systems, flood and forest-fire risk management, disaster preparedness, resilient water-resource management, carbon cycles, GHG-emission reduction, decarbonisation and renewable-energy solutions. Led a GIZ-financed national climate-change vulnerability analysis and mapping assignment in Algeria and delivered EU-funded technical training and Training-of-Trainers for AFAD, MoIT, SERKA and local stakeholders in Türkiye.
- **Strong sustainability and eco-friendly development expertise**, integrating environmental protection, resource efficiency, climate resilience

and low-carbon solutions into project design and implementation. Experienced in assessing and promoting solar, wind, biogas, hydropower, marine thermal energy, sustainable water use, water conservation, cleaner production, waste management and recycling. Practical sustainability experience also includes the co-management of an eco-friendly farm in Portugal using sustainable agriculture, animal husbandry and renewable-energy systems to increase self-sufficiency, reduce reliance on conventional energy and minimise the farm's carbon and environmental footprint.

- **More than 10 years of senior management, technical leadership and multidisciplinary coordination experience** as Managing Director of Oceanlab France, overseeing marine, coastal, water and environmental assignments. Responsibilities include supervising technical teams and consortium inputs; managing project implementation, budgets, quality control, deliverables and client relations; and directing environmental studies, modelling, monitoring, field surveys, sampling, laboratory analysis and technical reporting for public- and private-sector clients.
- **Extensive experience in project preparation, technical assistance, institutional capacity building** and stakeholder engagement, including the development of project concepts, methodologies, work plans, budgets, equipment specifications, feasibility studies, monitoring arrangements and capacity-building programmes. Experienced in consultations and coordination with ministries, public authorities, municipalities, international organisations, research institutions, local stakeholders and private-sector actors, as well as in training public-administration personnel and designing laboratories, GIS-based information systems and environmental monitoring frameworks.
- **Broad international experience with major development, governmental and scientific institutions**, including UNIDO/GEF, GIZ, EU-funded programmes, AFAD, MoIT, SERKA, the Kurdistan Regional Government Ministry of Water Resources, USAID-supported initiatives, CNRS, universities and research institutes. Geographic experience spans Europe, North Africa, the Middle East, the Indian Ocean region and Australia, demonstrating the ability to work effectively across different environmental, institutional and socio-economic contexts.
- **Advanced scientific, analytical and data-management capabilities**, with expertise in MATLAB, R, MARS3D, DELFT3D, ArcGIS, MapInfo, SURFER and scientific and spatial modelling, combined with field and laboratory experience in geophysics, hydrochemistry, sedimentology and microbiology. Author and co-author of scientific publications and international conference contributions on coastal circulation, water quality, pollutant and sediment dispersion and hydrodynamic modelling.

SPECIFIC EXPERIENCE IN THE REGION:

COUNTRY	DATE FROM	DATE TO	COUNTRY	DATE FROM	DATE TO
France	2005	ongoing	Türkiye	2021	2024
South Africa	2018	2018	Iraq, Iran, Kuwait, Morocco, UAE	2007	2009
Mauritius, Rodrigues Island	2018	2018	Sri Lanka	2007	2009
Madagascar	2018	2018	Algeria	2016	2016
Comoros	2018	2018	Czech Republic	2008	2009
Reunion Island, Mayotte	2018	2018	Australia	2006	2007

PROFESSIONAL EXPERIENCE:

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29/02/2024	06/03/2024	Türkiye (Kars)	EU / MoIT / SERKA Onur Sozeri (NKE) onursozeri@gmail.com	Senior NKE expert in Climate change adaptation	Kars city within historical identity project, financed by the EU: The overall objective of the contract is to contribute to the social and economic development of Kars through interventions in the tourism sector and the purpose is to improve regional competitiveness of the tourism industry in Kars by improving physical conditions and by developing and implementing a Sustainable Tourism Governance Model based on the public-private partnership and also by developing a Site Management Plan. Prepared and delivered bilingual technical presentations and workshops on climate change impacts on mountain and winter tourism, climate-related disaster risk management, Early Warning Systems for floods and forest fires, risk monitoring and fore-casting, water and carbon cycles, water-resource management, GHG emissions, decarbonization and sustainable/renewable-energy solutions, including a technical presentation at the International Kars Conference attended by local and institutional tourism stake holders, national and international experts and representatives.
19/11/2021	21/01/2022	Türkiye (Erzurum, Istanbul)	AGRECO-GIZ / EU Eda Sozeri (NKE)	Senior NKE expert in Climate change adaptation	Expertise assistance to Enhance the Capacity of AFAD in the Adaptation and Reduction of Disaster Risks resulting from the Climate Change in Turkey (Erzurum, Istanbul) - (Disaster-Adapt), funded by the European Commission: The objective is to strengthen the institutional and technical capacity of Turkey's Disaster and Emergency Management Presidency (AFAD) in managing climate change-induced disaster risks. Prepared workshops and delivered Training-of-Trainers and technical training sessions for AFAD personnel and provincial/local disaster-management stakeholders in Turkey on climate change and disaster risk management, including climate science and projections, climate vulnerability and multi-hazard risk assessment, Early Warning Systems, flood and forest-fire risk management, disaster preparedness, water-resource management, carbon cycles, GHG emissions and decarbonisation.
04/2015	Present	France Multi countries (Sri Lanka and Algeria)	Oceanlab France www.oceanlab.fr	Managing Director Founder	- Managing Director of Oceanlab, a France-based coastal engineering and marine environmental consultancy, overseeing technical activities in hydrographic surveying, topography, bathymetry, marine and aquatic cartography, GIS, hydrodynamic modelling, coastal environmental impact assessment, marine biology and underwater observation, water and air quality monitoring, sedimentology, water sampling and analysis, and water-treatment assessment. - Overall management and technical supervision of marine and coastal environmental projects, with particular responsibility for ocean and hydrodynamic modelling, marine Environmental Impact Assessments (EIA), bathymetric and topographic surveys, GIS and mapping, sediment and water-quality investigations, marine biological assessments, field measurements, sampling and laboratory/data analysis. [Project titles, funding sources and specific activities should be added here to substantiate this experience. - Organisation, coordination and technical participation in marine pollution and pollutant-dispersion modelling studies, including the assessment of pollutant transport, dispersion pathways and potential impacts on marine and coastal environments. - Provision of advisory and consulting services to public authorities and private-sector clients in France on environmental forecasting, climate change, coastal management, marine and coastal pollution, waste/recycling issues, and compliance with relevant environmental regulations, policies and permitting requirements. - Environmental data analysis, numerical modelling and applied research on pollutants, including interpretation of monitoring and sampling data and assessment of pollutant behaviour, transport and environmental impacts. Overall management and technical supervision of the following projects: ✓ France - Management and Requalification of Public Spaces of Morgat, France, Project Leader (05/2015-06/2018): Led the environmental monitoring component of the project for the local government of Morgat/Crozon, supporting the management and requalification of public spaces. Responsible for overall project coordination, technical supervision and follow-up of environmental aspects related to the planned interventions. ✓ Sri Lanka - Environmental and Water Management Project Development, Environmental Researcher (Aquatechnologies): Prepared and contributed to the development of environmental and water-sector project proposals, including mobile laboratory projects, flood-prevention and flood-management initiatives, and water-conservation projects. ✓ Algeria - National Climate Change Vulnerability Analysis and Mapping, Algeria, Project Leader (01/2016 – 03/2017). Client: Algerian Ministry of Environment, financed by the GIZ - Deutsche Gesellschaft für Internationale Zusammenarbeit: (i) Led the project for the analysis and mapping of Algeria's national vulnerability to climate change over a 100-year horizon, structured into three approximately 30-year periods. (ii) Coordinated vulnerability assessments based on two climate-change scenarios provided by the IPCC, supporting the identification and spatial analysis of areas and sectors exposed to future climate risks. (iii) Provided overall project management and technical supervision, coordinating inputs from consortium partners and ensuring delivery of the analytical and mapping components for the Algerian Ministry of Environment. - Co-Owner - Ecofarm, Odiáxere, Portugal: ✓ Co-manage an eco-friendly smallholding/farm, integrating sustainable agricultural practices with animal husbandry, including chickens, ducks and bees, as well as the care of domestic animals. ✓ Contribute to the development and operation of renewable-energy solutions, including solar, wind and biogas systems, supporting a more self-

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					sufficient and environmentally sustainable farm model.
01/12/2012	15/01/2014	France (Brest)	ACRI-ST http://www.acri-he.fr/ Under the direction of Antoine Mangin and Regis Francois Martin Lozer francois-regis.martin-lauzer@acri.fr	Research Engineer	GIRAC Project - Coastal Water Quality Monitoring, Monaco: Research Engineer, Oceanography and Modelling Unit, ACRI-ST - Contributed to coastal water-quality monitoring and assessment along the Monaco coastline, applying physical oceanography and hydrodynamic modelling to analyse coastal circulation and environmental conditions affecting marine water quality. - Supported research and project activities related to the assessment and management of coastal and marine environmental conditions. OPTIMAPAC Project – Optimisation of Seawater Heat-Pump Systems, Principality of Monaco, Research Engineer, Physical Oceanography and Hydrodynamic Modelling - Conducted hydrodynamic modelling and numerical simulations of seawater heat-pump discharges to assess their potential impacts on the marine environment. - Contributed to the assessment and optimisation of seawater heat-pump systems from technical, economic and environmental perspectives, including the identification of conditions required for the sustainable development of marine thermal energy. - Supported implementation of the project in line with the principles of the EU Water Framework Directive, with particular attention to coastal water quality and marine environmental protection.
01/09/2009	12/04/2013	France (Wimereux)	Water Agency – CNRS Under the direction of Alexei Sentchev lexei.sentchev@univ-littoral.fr Huber Loisel hubert.loisel@univ-littoral.fr	Member of Scientific Research Team / PhD student	- Conducted PhD research on “Characterisation and Prediction of Microbiological Pollution along the Nord-Pas-de-Calais Coast” within the Laboratoire d’Océanologie et de Géosciences (LOG), a joint research unit involving CNRS, the University of Lille, Université du Littoral Côte d’Opale (ULCO) and IRD, with a focus on marine and coastal environments. - Carried out research on coastal oceanography and hydrodynamic modelling to analyse the behaviour and variability of coastal water masses and their influence on microbiological pollution. - Assessed the potential effects of climatic variability and change on coastal circulation and water quality, with the aim of identifying areas particularly vulnerable to microbiological contamination. - Contributed to the characterisation, spatial analysis and prediction of microbiological pollution patterns along the Nord-Pas-de-Calais coastline.
2007	2009	Czech Republic Multi countries (Kurdistan, Kuwait, Morocco, Iraq, Sri-Lanka)	GEOtest Brno, a.s. / C.R.E.A. (Czech Renewable Energy Alliance) / UNIDO www.geotest.cz Under the direction of Lubomir Prochaska prochaska@geotest.cz	International Project Manager Geophysicist	- International Project Manager for the Czech Republic through GEOtest Brno, representing C.R.E.A. (Czech Renewable Energy Alliance) internationally and for UNIDO, on assignments in Morocco, Kuwait, Iraq (Kurdistan Region) and Sri Lanka. Selected projects: ✓ Kuwait - Marine Ecology and Contamination Assessment: Conducted assessments of hydrocarbon and heavy-metal contamination in the marine environment of the Kuwaiti Gulf, including sampling and analysis of marine organisms, identification and mapping of contamination hot spots, correlation with algal distribution patterns, and identification of preventive and remediation measures. Also contributed to the assessment and rehabilitation of sites affected by radioactive contamination. ✓ Sri Lanka - Post-Tsunami Water Treatment and Water-Quality Management: Monitored the establishment and operation of drinking-water treatment facilities in villages affected by the 2004 tsunami, in partnership with Aquatechnologies, including work related to drinking-water and wastewater treatment plants, reverse-osmosis units, water-quality control and monitoring, and the management of water-treatment systems in tsunami-affected areas. ✓ Iraq - Environmental and Water Resources Adviser: Served as Adviser on environmental issues within the Ministry of Water Resources and representative of C.R.E.A., with responsibility for GIS and hydrogeological mapping and technical support to water- and renewable-energy-related initiatives. Activities included budgeting and planning the rehabilitation of deteriorated drinking-water/artesian wells; support to hydropower, solar and wind-energy projects; development of mobile laboratory capacity; establishment of a monitoring system for Kurdish aquifers; and technical advice on water-resource management. Also trained public-administration personnel on cholera prevention and control, including well chlorination methods, essential techniques for limiting epidemic spread, theoretical lectures and practical field-based activities. ✓ Kuwait - Mobile laboratories project and setup: Research on Correlation of the NOx level and the traffic density. The research was focused on the methods used for determination of NOx concentration level in the ambient air, in particular in the vicinity of road traffic. The research included study on natural and anthropogenic NOx sources, NO and NO2 reactions in the atmosphere and formation of secondary pollutants, NOx harmful impact on humans’ health and nature, and NOx formation from vehicle exhaust systems. - Prepared and contributed to the development of technical project proposals for international organisations, government institutions, donors and development partners, including UNIDO/GEF, the Ministry of Water Resources of the Kurdistan Regional Government (KRG), USAID and C.R.E.A. (Czech Renewable Energy Alliance). Worked as an Environmental / Technical Expert on behalf of GEOtest Brno, a.s., contributing to project identification, field investigations, technical assessments and the preparation of project concepts, methodologies, technical specifications, budgets, equipment requirements, capacity-building programmes and implementation arrangements in the fields of water resources management, hydrogeology, groundwater protection, water-quality monitoring, environmental pollution, contaminated-site management and remediation. Selected projects: ✓ Environmental Expertise and Management - C.R.E.A. (Czech Renewable Energy Alliance): Contributed to the preparation and presentation of an

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					integrated environmental services proposal covering water resources protection and management, hydrogeological investigations, drinking-water and wastewater treatment, pumping and irrigation systems, dam construction and maintenance, environmental remediation and waste management. The proposal also covered Environmental Management Systems (EMS), ISO 14000/EMAS implementation, environmental audits, Life Cycle Assessment, cleaner production, capacity building and specialised environmental training. ✓ Kurdistan - Mobile Laboratory Implementation, Ministry of Water Resources, KRG, Iraq (2009): Co-prepared the proposal for the establishment of three mobile water-quality laboratories in Erbil, Dohuk and Sulaymaniyah, designed to analyse drinking-water parameters, industrial pollutants and other chemical contaminants. Contributed to the definition of the project objectives, implementation methodology, technical specifications, analytical equipment, budget, staff training and water-quality monitoring programme, with particular emphasis on public-health protection and prevention of water-borne diseases. ✓ Kurdistan - Ground Water Protection, Ministry of Water Resources, KRG, Iraq (2008–2009): Contributed to the proposal for the evaluation and rehabilitation of existing artesian wells and protection of the Aqra Basin aquifer. Directly participated in field hydrogeological investigations, including identification and inspection of wells, well-discharge measurements, groundwater sampling, determination of physico-chemical parameters and preparation of hydrogeological documentation. The assignment also addressed well rehabilitation, groundwater monitoring, water-balance calculations and sustainable aquifer management. ✓ Kurdistan - Central Laboratory for Potable Water Analyses, Ministry of Water Resources, KRG, Iraq (2009): Co-developed the concept for a central potable-water laboratory serving approximately four million inhabitants, capable of microbiological and chemical water-quality analyses. Contributed to the design of the laboratory's technical configuration, facilities, staffing, analytical equipment, implementation stages, training programme and long-term technical assistance arrangements, including advanced instrumentation for spectrophotometry, chromatography and analysis of metals and organic pollutants. ✓ Kurdistan - Establishing of the Geophysical Group, Ministry of Water Resources, KRG, Iraq (2009): Contributed to the design of a specialised geophysical unit for hydrogeological surveying and groundwater exploration, intended to identify groundwater-bearing structures at depths exceeding 500 metres. Responsibilities included defining the technical methodology, geoelectric and electromagnetic survey methods, equipment specifications, GIS/GPS and data-processing requirements, training arrangements and technical assistance programme. ✓ Kurdistan - Groundwater Resources Management, Ministry of Water Resources, KRG, Iraq (2009): Co-prepared a comprehensive proposal for the qualitative and quantitative protection and sustainable management of groundwater resources across the Kurdistan Region. Contributed to an integrated approach covering hydrogeological data collection, groundwater vulnerability and hydro-ecological mapping, water-protection zones, groundwater modelling, pollution-risk assessment, ecological audits, feasibility and cost-benefit studies, remediation planning and monitoring. The proposal also included the establishment of a GIS-based water-resource information system and preparation of a Water Management Master Plan. ✓ Kuwait - Hazardous Coastal and Marine Pollutions Inventory / Ecological Audit of Environmental Damages and Water Quality for the Kuwaiti Gulf (2008), GEOtest Brno, a.s.: Authored the project study addressing hazardous coastal and marine pollution, particularly mercury, hydrocarbons and other heavy metals, with UNIDO, the Kuwait Ministry of Electricity and Water and the Environment Public Authority identified as potential clients. Designed a multi-stage investigation programme comprising site reconnaissance; soil, groundwater, seawater, sediment and biological sampling; mercury-vapour measurements; hydrogeological drilling; geophysical surveys; contamination mapping; ecological and human-health risk assessment; and remediation planning. The proposal also included development of a mercury-contamination migration model and assessment of pollutant transfer into the food chain. ✓ Morocco - UNIDO/GEF - Identification and Management of Contaminated Sites by POPs, Morocco (2007), Technical Expert: Conducted site visits and stakeholder consultations, reviewed POP inventories, assessed PCB-, pesticide-, dioxin- and furan-contaminated sites, and contributed to feasibility studies, risk-based site classification, contaminated-site management planning, institutional capacity building and preparation of a project proposal for GEF financing. Assessed remediation options including PCB bioremediation, non-combustive PCB destruction, supercritical extraction and environmentally sound treatment of obsolete pesticides. Field activities included contaminated sites and storage facilities in Casablanca, Mediouna and Tangier. ✓ Iraq - Water, Environment, Sanitation and Hygiene (WESH) Coordination / KRG, Iraq (2009): Represented C.R.E.A. / Ministry of Water Resources in coordination meetings with UN agencies, NGOs and government institutions. Presented ongoing water-sector activities, including the Aqra artesian-well rehabilitation pilot project, USAID-supported groundwater monitoring systems for the Aqra, Erbil and Sulaymaniyah basins, and the Ankawa water-treatment project. Also contributed to the preparation of a GIS and mapping training programme for Ministry of Water Resources staff, supporting institutional capacity building and improved groundwater-resource management.

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2007	2008	Morocco	UNIDO (United Nations Industrial Development Organization) Under the direction of Akos Koeszegvary A.Koeszegvary@unido.org	International Environmental Expert	- Expert on contaminated-site remediation in Morocco, with a focus on Persistent Organic Pollutants (POPs) and implementation in line with the Stockholm Convention - Inventories and assessment of contaminated sites and pollutant sources, covering obsolete pesticide stocks, PCB-contaminated areas, and dioxin/furan emissions from uncontrolled dumpsites, including the Casablanca dumpsite. - Feasibility assessment and preparation of remediation options for POP-contaminated sites, including review of appropriate treatment/remediation approaches and cost-effectiveness considerations. - Consultation and coordination with relevant ministries and stakeholders to collect technical information, validate findings and support the identification of feasible remediation measures. - Technical analysis and reporting on contamination status, remediation needs, priority interventions and recommended follow-up actions.
2006	2007	Australia (Gold Coast)	Griffith Center for Coastal Management Under the direction of George Tomlinson https://www.griffith.edu.au/coastal-marine-research-centre	Coastal Management Engineer Consultant	- Worked as a Coastal Management Engineer Consultant under the supervision of Griffith Center for Coastal Management, contributing to the preliminary studies for the Tugun Reverse Osmosis Desalination Plant on the Gold Coast. - Conducted preliminary assessments of the temporal stability of beach bathymetric profiles, analysing patterns of coastal erosion and sediment deposition. - Supported the identification of the most stable coastal location for the desalination plant's seawater intake pipeline, taking into account the required offshore distance and water depth for the intake system. - Contributed coastal engineering and morphological analysis to support the planning and design of the desalination infrastructure
2005	2005	France (Bordeaux)	Bordeaux University	Consultant	- Provided consultancy services for water sampling, laboratory analysis and technical reporting. - Conducted and/or supported water-quality assessments focusing on key parameters including salinity, turbidity, suspended solids/material concentration, Biological Oxygen Demand (BOD), Chemical Oxygen Demand (COD), and pollution/contaminant levels. - Analysed and interpreted water-quality results and prepared technical reports summarising findings and environmental conditions.
2005	2005	France (Bordeaux)	Bordeaux University	consultancy for Teledetection measurements	- Provided consultancy support for remote sensing (teledetection) measurements and geological mapping activities. - Conducted radiometric measurements of sediments, including field sampling and sample analysis. - Contributed to the interpretation of sediment characteristics and the preparation of data used for geological mapping.

PUBLICATIONS:

- P1- Jouanneau, N., Sentchev, A., - 2010. Caractérisation de la dispersion du matériel en suspension dans un écoulement côtier soumis à un régime macro-tidal et aux forçages météorologiques : Application en Manche Orientale. UOF, pages 119-124.
- P2- Jouanneau, N., Sentchev, A., Dumas, F., - 2012. High resolution modelling of circulation and dispersion processes in Boulogne sur mer harbour (Eastern English Channel): sensitivity to physical forcing and harbour configuration. (soumis dans Ocean dynamics dans le cadre du JONSMOD 2012)
- P3- Korotenko K, Sentchev A, Schmitt F, Jouanneau N, 2012: Effect of variable winds on current structure and Reynolds stresses in a tidal flow: Analysis of experimental data in the eastern English Channel. Ocean Science vol 8:1025-1040.

Conferences

- C1- Jouanneau, N., Sentchev, A., Caractérisation de la dispersion du matériel en suspension dans un écoulement côtier soumis à un régime macro-tidal et aux forçages météorologiques: Application en Manche Orientale. UOF- Le 26eme forum des jeunes océanographes , pages 119-124, 30 sept et 1er Oct - 2010.
- C2- Jouanneau, N., Caractérisation de la dispersion du matériel en suspension dans un écoulement côtier soumis à un régime macro-tidal et aux forçages météorologiques. Ifremer Nantes - 19 et 20 Janvier 2011 « Réunions des utilisateurs du modèle hydrodynamique MARS
- C3- Jouanneau, N. Circulation and dispersion processes along the french coast of the Eastern English Channel (EEC). Shirshov Institute of Oceanology, Moscow, Russia, 10-18 mars 2011. Présentation de mes travaux et formation sur l'outil Lagrangien de suivi.
- C4- Jouanneau, N. Modélisation des processus de transport et dispersion en baie de Somme. Mairie du Crotoy - Syndicat mixte baie de Somme grand Littoral Picards. réunion sur la problématique de la qualité de l'eau.
- C5- Jouanneau, N., Sentchev, A., Dumas, F., - 2012. High resolution modelling of circulation and dispersion processes in Boulogne sur mer harbour (EEC): sensitivity to physical forcing and harbour configuration. (soumis dans Ocean dynamics), JONSMOD, Brest mai 2012.
- C6- Jouanneau, N. Sentchev , A.: Assessment of circulation and dispersion processes along the French coast of the Eastern English Channel (EEC). ASLO OCEAN SCIENCE MEETING, 17-22 février 2013 - New-Orleans.

Poster Communications

- A1- Jouanneau, N., Sentchev, A., Caractérisation de la dispersion du matériel en suspension dans un écoulement côtier soumis à un régime macro-tidal et aux forçages météorologiques: Application en Manche Orientale. UOF- Le 26eme forum des jeunes océanographes , pages 119-124-124, 30 sept et 1er Oct - 2010.
- A2- Jouanneau, N., Sentchev, A. Caractérisation du transport et de la dispersion de traceurs passifs sur le littoral du Nord-Pas -de-Calais: application à la rade de Boulogne-sur-Mer. Journée des Doctorants IRePSE 2011, 18 Janvier 2011, Villeneuve d'Ascq, France

Other additional information headings in the source CV with no specific entries: Presentations, Projects, Seminars, Honours and awards, Memberships, References, Citations, Courses and Certifications.