

PERSONAL INFORMATION

Nicolas JOUANNEAU

 36 rue du lannou, 29217 Plougonvelin, France

 +4383365050645

 nicolas.jouanneau@oceanlab.fr

Sex Male | Date of birth 18/09/1978 | Nationality French

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR
PERSONAL STATEMENT

Oceanographer and Environmental Expert

WORK EXPERIENCE

4/2015 to ongoing

Manager, Oceanlab France

www.oceanlab.fr

- Specializes in environmental project management, particularly focused on ocean modelling and marine environmental impact assessments. Also bathymetry, mapping, GIS, marine biology, sedimentology, water sampling, measurements and analysis.
- Experienced in organization and participation on marine pollutants modelling.
- Lead environmental monitoring project May 2015-June 2018 for the Management and Requalification of Public Spaces or Morgat local government.
- Environmental research and development consultant for AQUATECHNOLOGIES company in Sri Lanka for the development of recycling and anti-flooding technologies.
- Lead project for the Ministry of Environment, Algeria for the analysis and mapping of national vulnerability to climate change over the next 100 years (3 x 30-year tranches) according to 2 possible climate scenarios provided by the IPCC. Under the supervision of GIZ alger and Z_GIS (Department of Geoinformatics, University of Salzburg, Austria)
- Strong experience in the field of providing consulting services in the field of environmental forecasting, climate change, coastal management and recycling and pollution projects for businesses and governments within France including providing advice in relation to environmental regulations and policies.
- Data analysis, modelling and research in regards to pollutants

2012 – 2014

Research engineer at ACRI-ST – Brest France

<http://www.acri-he.fr/>

- Research and project management in physical oceanography applied to environmental issues.

2009 - 2012

Member of Scientific Research Team UMR 8187- Water Agency – CNRS of Wimereux, 62930, France

- PhD student scientific project – Characterization and previsions of microbiological pollution along the Nord-Pas de Calais shore. Impact assessments of climatic changes on water masses and identification of areas vulnerable to using ocean modelling.

2007 - 2008

International Environmental Expert for UNIDO (United Nations Industrial Development Organization)

- Expert on contaminated sites remediation project in Morocco, specifically related to persistent organic pollutants inventories (Pesticides, PCB, and dioxins/furans releases), feasibility studies for remediation in accordance to the Stockholm convention, meeting with concerned ministries and stakeholders, cost effectiveness assessments and reporting.

2007 - 2009

Geophysicist Project Manager, GEOTEST

Czech Republic - www.geotest.cz

- Projects in Kuwait: Marine ecology project: assessment of hydrocarbons and heavy metals contaminations in marine population of the Kuwaiti Gulf, living organisms sampling and analysis, mapping of the hotspots of contamination correlated to the algal repartition map, and enumeration of the preventives and remediation solutions.
- Project in Iraq/Kurdistan: Adviser of environmental issues (responsible of the GIS and hydro geological mapping) in the Ministry of Water Resources, Erbil, and representative of the C.R.E.A organization. Partnership with the MWR on projects of: hydropower plants, solar panels and windmills, rehabilitation of drinkable water wells, mobile laboratory, Kurdish aquifers monitoring system setup. Training of Personnel state Administration and implementation of essential techniques in control of spreading a Pandemic of Cholera, presentation of the methods for wells chlorination, theoretical lectures and field trips practical activities.
- Projects in Sri Lanka in relation to management in drinkable Water treatment plant (for tsunami-impacted areas), waste water treatment plant, Reverse Osmosis unites, water quality control and monitoring, mobile laboratories 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. Several measurements of NOx concentration level and traffic counting were provided. Additionally, the NOx concentration was simultaneously measured on the road and in a distance of 100 m from the road.

EDUCATION AND TRAINING

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|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 2013 | <p>Ph.D. Geophysics - Oceanography and Ocean Modelling</p> <p>University of Chemistry and Technology Prague, Faculty of Environmental Technology</p> <ul style="list-style-type: none"> ▪ Characterization and previsions of microbiological pollution along the Nord-Pas de Calais shore. Impact assessments of climatic changes on water masses and pollution vulnerable areas using ocean modelling. | t |
| 2003 | <p>MASTER (MSc) in Environmental Sciences with honours</p> <p>University Bordeaux 1, France</p> <ul style="list-style-type: none"> ▪ Master thesis : Meadows effects on the tidal hydrodynamic and on the sediments transport within the Arcachon Lagoon | |
| 2002 | <p>HONOURS Degree in Environmental Sciences</p> <p>University Bordeaux 1, France</p> <ul style="list-style-type: none"> ▪ Sediment Dynamics and Ocean Modelling ▪ Including 6 months of courses in the Southampton Oceanographic Centre, England | |
| 2001 | <p>Bachelor of Geology</p> <p>University Bordeaux 1, France</p> | |
| 2000 | <p>Undergraduate Degree in Physics and Chemistry</p> <p>University of Rouen, France</p> | |

PERSONAL SKILLS

Mother tongue(s) French

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
	Proficient user				
Arabic	B1	B1	B2	B1	B2
	Independent user				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- Studied university studies in England and worked professionally in Australia and, subsequently on projects globally using English.
- Worked in the international, multi-cultural environments of the UNIDO and consulted with a company in Sri Lanka. Have also communicated in Arabic on projects. This required good foreign language skills and a keen understanding of cultural differences.
- My consultancy roles require excellent understanding in both the political and business spheres, an ability to work to demanding deadlines and absolute discretion.
- Excellent presentation and speech writing skills – as my roles require me to make presentations to both specialists in the field as well as those in the political and business spheres with only a general understanding of the topics.

Organisational / managerial skills

- As a manager and leader of several scientific studies I enjoy working as part of a team where individuals have different specialisations and there is a need to combine these skills to achieve congruent outcomes
- As a consultant I am required to adapt to new teams rapidly and build meaningful working relationships with new colleagues; able to communicate with confidence with both clients and colleagues. In Iraq in particular I had to work under difficult conditions and provide expert presentations to ministers and high level government officials in regards on topics I was not formally trained in.
- Able to solve problems independently and take responsibility for difficult situations. Successful at achieving personal and professional objectives.

Job-related skills

- Excellence in quality control processes (particularly as leader of scientific studies)
- Excellent data collection and management skills

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- Scientific Programming: MATLAB, PVWAVE, SEDTRANS, R, MARS3D
- Formatting and publishing: Office, CorelDraw, Photoshop
- Mapping: SURFER, DELFT 3D, ARCVIEW 9, MAPINFO, ARCGIS
- Field Instruments: GMS-2 (GIS mapping device) S4, ADV, DGPS, ADCP, GMS-2) Theodolite.
- Hydrochemistry: knowledge in the mean sampling and analysis methods, measurements of physical and chemical parameters (TOC, pH, Conductivity, Turbidity, Suspended solids, BOD, COD...)
- Microbiology: knowledge in samplings methods for bacteria and virus analysis apply to Cholera (trainings in Prague national institute of public health, Dr Sasek).
- Hydrogeology: knowledge in sanitization of wells by chlorination, identification of contamination sources, implementation of water treatment plan for drinkable water and wastewater treatment plant.
- Analysis: Sampling protocols, statistics and knowledge in main lab techniques applied for geophysics, hydrochemistry and sedimentology.
- Accountancy and project financial management.

ADDITIONAL INFORMATION

Publications
Presentations
Projects
Conferences
Seminars
Honours and awards
Memberships
References
Citations
Courses
Certifications

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 an 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 an 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--174-124, 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