

CV - CHRISTOPHE CARRIÉ

Position:	Oil Spill Response Advisor		
Name of firm:	OTRA, 38, rue Jim Sévellec, 29200, Brest, France		
Name of staff:	Christophe CARRIE Tel : +33 (0)6.68.76.43.90 Mail : christophe.carrie@antipol.com		
Date of birth:	11 / 11/ 1978	Nationality:	French
Education:	<ul style="list-style-type: none"> • 2003: Postgraduate diploma in Assessment and Management of the coastal zone, European institute of the sea, Brest, FRANCE • 2002: Master's degree in Geography, University of Science, Nantes, France • 2001: Master's degree in Biology of the populations and of the ecosystems, University of Science, Nantes, France • 1997: Baccalauréat Serie C - (Pre-university exam - Speciality Earth and Life Sciences), France. 		
Other training:	<ul style="list-style-type: none"> • International driving license ("B" vehicles) • Boat permit (for non commercial vessels up to 25 DWT) • Safety in oil industry facilities (France) Level 2 • Basic Security In The Field II • Advanced Security Training 		
Countries of work experience:	France, Angola, Bénin, Cap Verde, Côte d'Ivoire, Democratic Republic of Congo, Ghana, Madagascar, Madagascar, Malta, Maroc, Namibia, Republic of Congo, Sénégal, South Africa.		
Languages:		Speaking	Reading
	French (mother tongue)	Excellent	Excellent
	English	Medium	Medium
Employment record:			
	From:	2004	To: Today
	Employer:	OTRA	
	Position held:	Oil Spill Response Advisor	

Trained as a coastal environmental and GIS engineer, Christophe Carrié has participated in various activities since 2004: taking part in oil spill response operations (supervision and cleaning operations) and preparedness (contingency plans, workshop and training course), development of coastal sensitivity maps from Geographical Information System tools, development of web sites for oil spill response. Since 2013, Christophe works for the environment department of French oil company Total Exploration & Production and is in charge of auditing the oil spill capabilities of the affiliates, and delivering training and exercises.

Relevant professional experience

Oil spill response and preparedness operations

General Actions: Personnel management (team organisation, recruitment, training). Shoreline response operations organisation and monitoring (set up cleanup worksites, manual cleaning operations, cleaning operations with high-pressure equipment, etc.). Protection of sensitive sites. Waste management organisation. Surveying and mapping sites polluted (with mobile GPS – GIS device). Daily reports.

Oil spills incidents:

- Donges, France: (march to july 2008)
- Donges, France: (January 2006)
- Isère, France (June to July 2009)
- Faux Cap, Madagascar (October to November 2009 and January to February 2010)

National/ Regional seminars, workshops, trainings and exercises

- Organisation and running of offshore equipment deployment and IMO level 2 workshop.
 - TOTAL E&P in Congo, (2008)
- Organisation and running national and regional oil spill coastal sensitivity mapping workshops: Development of the workshop program*, training course supports (presentation, forms and questionnaire for the development of coastal sensitivity mapping project), running workshop*, reports
 - GIWACAF project: Ghana (2007), Côte d'Ivoire, Nigeria (2008), Benin (2009), Congo, Cape Verde, Namibia, Angola (2010), Senegal (2011), Côte d'Ivoire (2012)
 - REMPEC: Morocco (2008)
 - OSPRI: Turkey (2007)
- Participation for the development of IMO and OPRC training course: Participation for the development of oil spill management training material (presentations, forms, questionnaire, etc) and compilation of reports
 - Environmental General Authority in Libya (2006),
 - GIWACAF: Cape Verde (2007), Congo (2007), RDC (2008) Gabon (2008), Sao Tome (2008), Togo (2008),
 - REMPEC: Montenegro (2006), Albania (2006)

Contingency planning and training for government and oil industry

- Audit of oil spill capabilities of the affiliates (of French oil company Total Exploration & Production), and delivering training and exercises (2013 to 2015)
- Evaluation and review of the NOSCP of Morocco (risk assessment, general sensitivity mapping, operational plan, ICS structure adapted to Morocco organization) (2012),
- Participation in the reviewing of the oil spill contingency plans: Evaluation of the fate and behaviour of the spilled oil (drifting and weathering process). Collection and integration of the oil spill equipment information in the oil spill contingency plans
 - TOTAL Exploration & Production Angola (2007)

Mapping of oil spill coastal sensitivity (GIS based) and other mapping project

- Development of a socio-environmental coastal sensitivity GIS for Northern Angola for TOTAL DGEP/HSE/ ENV (2010)
- Atlas POLMAR "Département du Pas-de-Calais and of "Département du Nord", France (for the Regional Environment Direction of Nord – Pas-de-Calais, 2004-2007)
- Coastal oil spill response mapping of Ergeli area, Turkey (OSPRI 2007)

- Coastal oil spill response mapping from North of Midia to South of Constantza for RomPetrol, Romania (2007)
- Coastal operational oil spill response mapping for TOTAL Exploration & Production Angola, (2006)
- Coastal sensitivity webmapping for the GIWACAF project (2009)
- Mapping of the opportunities of implementing wind farms on the French coast (2007)

General Actions applied

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| <ul style="list-style-type: none"> - Development of GIS structure and GIS data integration (ArcGis 9.X with Geodatabase & MapInfo), - Aerial photo and satellite image georeferencing, - Development of an in-house spill drift model with ArcGis 9.X, - Analysis and synthesis of environmental, socio-economic and geomorphologic data. Ground analyzing and validation, | <ul style="list-style-type: none"> - Sensitivity Mapping, - Prioritizing sensitive areas for the decision makers, - Paper publication of the atlas, - Participation in the working group of decision makers, - Webmapping using SVG language, Google Map API |
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Project documents and development of tools

- Coastal operational oil spill response mapping methodology: Participation in the ARGEPOL Project (CEDRE, 2005)
- Participation for the update of the guide of the "Sensitivity mapping for oil spill response", (IPIECA, 2010)
- Development of the General Specifications for the «Development of an environmental and Societal Geographic Information System ", (TOTAL E&P Angola, 2009)
- Development of the Guide for Oil Spill Sensitivity Mapping in the West and Central Africa Region and its Integration into Preparedness and Response Systems in the West and Central Africa Region (IMO, IPIECA, 2007)
- Environmental study of the opportunities of implementing wind farms on the French coast (2007)

Oil spill response websites

Oil spill response websites

- Management of the development of an "Weekly called sheet" and training course management application, 2011
- Management of the development of an Oil Spill Responders Application, 2011
- Management of the development of the Mediterranean Oil Spill Waste Management Decision Support Tool for REMPEC, 2010
- Management of the development of a Crisis Management Intranet web site for RomPetrol – Romania (2008)
- Elaboration of dynamic coastal sensitivity mapping web site from a GIS for the Nord - Pas-de-Calais region in France (2005-2006)
(<http://www.nord-pas-de-calais.developpement-durable.gouv.fr/?Atlas-Polmar-du-Nord-et-du-Pas-de,2040>)

Corporate websites

- Management of the development of the GI Wacaf web site and the minor-updates since 2007 (www.giwacaf.org)
- Management of the development of the second version of GI Wacaf web site 2011 (www.giwacaf.org)
- Management of the development of the REMPEC web site and the updates since 2007 (www.rempec.org)
- Assistance for the development of Companies web sites since 2007 (www.groupifp.com, www.lefochdepollution.com)

Environmental management project

Management plan with GIS tool

- Development of a management plan for a natural site (Orléans Naturalist Association, France, 2004)
- Assessment of the value and reorganization of the shellfish farming zones, Bay of Bourgneuf, France (SOGREAH, 2003)

Ground occupation analyses

- Analysis of the evolution of the ground occupation for the Brest Urban Commun, (Brest Municipality, 2002)
- Geographic and biologic study of sea grass beds in the Bay of Bourgneuf, in relation with shellfish farming (University, 2002)

Software and programmation

GIS

- Arcview 3.2 to 10
- MapviewSVG
- Mapinfo 6 to 8
- SVGmapmaker

Office softwares

- Microsoft Office
- Open Office
- Adobe Illustrator
- Photoshop

Internet

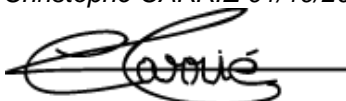
- Dreamweaver
- Flash
- Html, Asp, Asp.net, Access, SQL Server

Certification

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Signature of staff member or authorized representative of the staff

Christophe CARRIE 01/10/2015



Full name of authorized representative:

Jean-Yves HUET, director of OTRA

