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Marine geologist specialized in geophysics

SKILLS

Marine Geosciences

Bibliography, state of the art, geological synthesis. Analysis and interpretation of marine geophysical data. Expertise in marine geosciences.

Geophysics

- Marine geophysics acquisition and dataprocessing (shallow water, near shore and open sea)
- GPS positioning,
- Bathymetry (Single and Multibeam),
- Topography,
- Sidescan sonar,
- Sub bottom profiler, Seismic reflection and refraction,
- ADCP,
- Sampling water, sediments, granulometric analysis, turbidity measures.

SIG & cartography

- Cartographer specialised in sedimentary environment of the continental shelf.

Project manager

- Impact studies and scientific reports.

Software

Excel, Word, Matlab, Arcgis, Autocad, ENVI, Caraïbes, Hypack, Quinsy, ISIS, Sonar pro, Delph sismique, WinSc, QCSubop, Sispeed

Various

Driving license, Boat licence, Diving licence.

Language

French, English read written and spoken

Work Experiences

- **March 2016 to April 2017**: Geologist engineer at IFREMER for the EXTRAPLAC program: acoustic data processing, mapping and geological expertise for the applications for extension of the continental shelf to the CLCS (Commission on the Limits of the Continental Shelf) to the United Nations.
- **1st September 2015**: Creation of the company Romain BIVILLE Oceanmap (n ° SIRET: 813 030 871 00012) specialized in coastal engineering: marine geophysics, bathymetry, topography, mapping, GIS, impact studies, sedimentology, sampling and physico- chemical. www.oceanlab.fr
- **December 2014 to April 2015** : Geologist engineer at IFREMER for the EXTRAPLAC program: acoustic data processing, mapping and geological expertise for the applications for extension of the continental shelf to the CLCS (Commission on the Limits of the Continental Shelf) to the United Nations.
- **August 2012 to february 2014** : Geologist engineer at IFREMER for the EXTRAPLAC program: acoustic data processing, mapping and geological expertise for applications for extension of the continental shelf to the CLCS (Commission on the Limits of the Continental Shelf) to the United Nations.
- **September 2009 to october 2011** : Technician in acquisition and processing of geophysical data within the company Astérie until cessation of activity of the company.
- **February to july 2009** : Reasearch internship at the University of Queensland in Australia "Geophysical Constraints on the New England Fold Belt". Modeling of subsurface structure using gravimetric and magnetic methods.
- **Mars à juin 2008** : Research internship at the University of Rouen (France). "Morphology and sedimentary nature of seabed affected by aggregate extraction"

Degree Course

- **September 2007 - June009** : Master Sciences of the Sea and the Littoral, mention "Geosciences Ocean" at the European University Institute of the Sea in Plouzané (Brest).
- **July 2008** : University at the Sea - (25 days) R/V Marion Dufresne, Coring and mapping of the Mid-Atlantic Ridge. Lat N25 ° to Lat N68 °

- **September 2004 - June 2007** : Bachelor's Degree in Earth and Universe Sciences, University of Western Brittany (Brest).
- **September 2002 - June 2003** : Deug SV1 (Life Sciences) at the University of Rouen.
- **Septembre 2001 - Juin 2002** : Deug MIAS 1 (Mathematics and computer sciences applied to sciences) at the University of Rouen.
- **Juin 2001** : BAC Scientific (mention AB), Lycée J. Ango, Dieppe (76).

References of work

Astérie

Dredging / Impact studies

SAFEGE - (2011) Saint-Malo (35)
Multibeam bathymetric survey as part of strategic sediment dredging study.

SYNDICAT DU PLAN D'EAU DE L'ABER ILDUT – (2010) Lannildut (29).
Bathymetric survey, sampling and sediment analysis of the Aber-Ildut harbor.

CONSEIL GENERAL DE SEINE MARITIME – (2010) Seine Maritime (76)
Bathymetric survey, sonar survey, sediment sampling, granulometric and faunistic analyzes for the Fecamp harbor site.

CONSEIL GENERAL DE LOIRE ATLANTIQUE – (2009) Loire Atlantique (44)
Bio-sediment sampling and analysis at the Pornic harbor. Condition after claping.

IDHESA – (2009) Finistère (29)
Sampling of mud in the Aber Linge lagoon at Ploudaniel.

Marine aggregates / Impact studies

COMPANY OF NAVIGATION - (2011) Paimpol (22)
Minig permit of la Cormenrandière - Search for facies in Maërl (Sonar and sampling)

COMPAGNIE ARMORICAINE DE NAVIGATION - (2010) The Bay of Lannion (France)
Additional measurements and studies for the Pointe d'Armor mining permit in Lannion Bay.

COMPANY OF NAVIGATION - (2010) Paimpol (22)
Impact studies of the opening of extraction on the Horne sands shellfish deposit.

Renewable Marine Energy / Geophysical Survey Site

NASS & WIND - (2010) Loire Atlantique (44)
Mapping for the installation of an offshore wind farm on the Guérande bank at Le Croisic. (Multibeam, Sidescan sonar, sediment sampling).

NASS & WIND - (2010) Côtes d'Armor (22)

Mapping for the installation of an offshore wind power plant in Saint-Brieuc Bay. (Multibeam, Sidescan sonar, sediment sampling).

ECOLE CENTRALE OF NANTES - (2010) Nantes (44)

Geophysical studies as part of the SEM-REV experimental wave power project (Sidescan sonar, sedimentary sampling).

FUGRO GEOTECHNIQUE - (2010) Seine Maritime (76)

Additional recognition in the area of the dumping water at sea of the 3 EPR to Penly. (Bathymetry, side scan sonar, magnetometer, water and sediment sampling).

UNIVERSITY OF SOUTH BRITAIN - (2010) Croisic (44)

Reflection seismic surveys off the Croisic.

SEM REGIONALE OF THE COUNTRIES OF THE LOIRE - (2010) Croisic (44)

Geophysical study (Subbottom profiler, bathymetry and sonar) for maritime infrastructure for the recovery of wave energy at Croisic.

Navigation / Bathymetric Survey

MAIRIE DE L'EPINE - (2010) The Vendée (France 85)

Bathymetric survey of the Port de l'Epine.

SAEM PORT OF PLAISANCE - (2010) Les Sables d'Olonne (France 85)

Bathymetric survey of the harbor of Sables d'Olonne.

INTERCOMMUNAL TRADE UNION FOR THE SANITATION OF THE VALLEY OF

BIEVRE - (2010) Verrières-Le-Buisson (France 91).

Geophysical surveys of the Bièvre basins. (Subbottom profiler, bathymetry)

CCI OF THE VENDEE- (2010) Vendée (France 85)

Bathymetric survey of the harbor of Joinville.

CCI OF THE VENDEE- (2010) Vendée (85)

Bathymetric survey of the harbor of Herbaudière.

CONSEIL GENERAL OF THE VENDEE - (2010) Vendée (France 85)

Bathymetric survey of the harbors of Aiguillon sur Mer and of the Faute sur Mer.

CONSEIL GENERAL OF THE VENDEE – (2010 , 2009) Vendée (France 85)

Bathymetric survey of the banks of the Fromentine Channel.

CCI DE LA VENDEE- (2009) Vendée (France 85)

Bathymetric survey of the harbor of Sables d'Olonne.

CCI DE LA VENDEE- (2009) Vendée (France 85)

Bathymetric survey of the harbor of Saint-Gilles-Croix-de-Vie.

VENDEE GENERAL COUNCIL - (2009) Vendée (France 85)

Bathymetric survey of the harbor of Pont Neuf.

VENDEE GENERAL COUNCIL - (2009) Vendée (France 85)

Bathymetric survey of the harbor of Herbaudière (Noirmoutier).

VENDEE GENERAL COUNCIL - (2009) Vendée (France 85)

Bathymetric survey of the harbor of Epoids.

Oceanography

GRAND PORT MARITIME OF BORDEAUX - (2010) Gironde (France 33)
Measurements of currents and swells in the Gironde estuary.

IFREMER - (2009) Finistère (France 29)
Sampling of seawater and hydrological measurements.

SAFEGE - (2009) Finistère (France 29)
Measurements of currents in the Aber Benoit.

Biology

EOLE RES - (2009) Manche (50)
Biological measurements (plankton) as part of the installation of off-shore wind turbines.

IFREMER:

IFREMER - Novembre 2016

ONU - New York. Meeting avec la Sous-commission des limites du plateau continental (CLCS) au regard de la demande d'extension du plateau continental de l'Etat Français pour les zones de Saint-Paul et Amsterdam et La Réunion. (Programme EXTRAPLAC)

IFREMER - Février 2015

ONU - New York. Meeting avec la Sous-commission des limites du plateau continental (CLCS) au regard de la demande d'extension du plateau continental de l'Etat Français pour la zone de l'Archipel de Crozet. (Programme EXTRAPLAC)

IFREMER - Aout 2013

ONU - New York. Meeting avec la Sous-commission des limites du plateau continental (CLCS) en session plénière au regard des demandes d'extension du plateau continental de l'Etat Français pour les zones de La Réunion, Saint-Paul et Amsterdam et Wallis et Futuna. (Programme EXTRAPLAC)

IFREMER - Juillet 2013 (10j)

Campagne sur le N/O Le Suroît, Golf de Gascogne (Confidentiel)

IFREMER - Mars 2013 (5j)

Campagne sur le N/O Le Thalia, Baie de Somme, Cartographie des fonds marin au SMF

IFREMER - Septembre 2012 (12j)

Campagne sur le N/O L'Atalante, Polynésie Française, Cartographie au SMF de la Ride des Marquises, sondeur de sédiments et dragages.

IFREMER - November 2016

UN - New York. Meeting with the Subcommission on the Limits of the Continental Shelf (CLCS) with regard to the extension of the continental shelf of the French State for the areas of Saint Paul and Amsterdam and Reunion. (EXTRAPLAC Program)

IFREMER - February 2015

UN - New York. Meeting with the Subcommission on the Limits of the Continental Shelf (CLCS) with regard to the extension of the continental shelf of the French State for the area of the Crozet Archipelago. (EXTRAPLAC Program)

IFREMER - August 2013

UN - New York. Meeting with the Subcommission on the Limits of the Continental Shelf (CLCS) in plenary session in view to extend the continental shelf of the French State for the Reunion, Saint Paul and Amsterdam and Wallis and Futuna zones. (EXTRAPLAC Program)

IFREMER - July 2013 (10d)
R/V Cruise Le Suroît, Golf de Gascogne (Confidential)

IFREMER - March 2013 (5d)
R/V Cruise Le Thalia, Baie de Somme, Seabed Mapping with multibeam echosounder.

IFREMER - September 2012 (12d)
R/V Cruise L'Atalante, French Polynesia, Multibeam mapping of the Marquesas Ridge, Subbottom profiler and dredging.

Oceanmap / Oceanlab:

Morgat (29) - May 2015: Improvement and reclassification of the public spaces of Morgat: Cartography of the seagrass *Zostera* of the Anse de Morgat.

Morgat (29) - May 2016: Improvement and re-qualification of the public spaces of Morgat: Cartography of the seagrass *Zostera* of the Anse de Morgat.

Morgat (29) - May 2017: Improvement and reclassification of the public spaces of Morgat: Cartography of the seagrass *Zostera* of Anse de Morgat.

LAGADEC TP Landerneau (29) - February-March 2016: Bathymetric survey of the nautical base of Landerneau before and after dredging, calculation of cubature.

ALGERIA: Analysis and mapping of risk and vulnerability to climate change at national level (Jan-Nov 2016)