

## LE PORT Guillaume

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### PROFESSIONAL EXPERIENCE AND RELATED SKILLS

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**November 2014- April 2015: Independent consultant, French National Centre for Scientific Research (CNRS)/ French Initiative for Coral Reefs (IFRECOR)** – economic valuation of ecosystem services provided by coral reefs in French Polynesia: focus on fishery and tourism

- *Field data collection: reef health related biological and anthropic data*
- *Field survey to tourism service providers on targeted islands : Moorea, Tahiti, Bora-Bora, Raiatea, Rangiroa, Tikehau*
- *Field survey to professional and recreational/food fishermen on targeted islands: Moorea and Tahiti*
- *Data processing and analysis*
- *Writing of the report for local and international managers*

**October 2014- October 2015: Independent consultant Blue Finance project** – economic valuation of ecosystem service of coastal protection provided by coral reefs

- *Reflection on improvements of the present global valuation methodology*
- *Harmonisation of several regional methods of valuation*
- *Understanding of the impact of biological parameters of reefs (i.e. live coral coverage, rugosity) in wave attenuation processes*
- *Development of an economic valuation method of coastal protection taking into account reef health*

**March-December 2014: Independent consultant MACBIO project, International Union for Conservation of Nature (IUCN)/ German Federal Agency for Nature Conservation (BFN)** – economic valuation of ecosystem service of coastal protection provided by coral reefs, Fiji, Kiribati, Solomon islands, Tonga, Vanuatu

**March 2013 - October 2014: Independent consultant, French National Centre for Scientific Research (CNRS)/ French Initiative for Coral Reefs (IFRECOR)** - economic valuation of ecosystem service of coastal protection provided by coral reefs and associated ecosystems, French overseas islands (Mayotte, La Réunion, French Polynesia, Martinique, Guadeloupe, Wallis-&-Futuna)

- *Characterization of areas and assets at risk*
- *Determination of reefs protection index thanks to the Coastal Protection Index (CPI)*
- *Assessment of avoided damage costs on human coastal assets during extreme climatic events thanks to the presence of coral reefs and associated ecosystems (mangrove and seagrass)*
- *Reinforcement of damages functions necessary to assess percentage of damages to assets due to coastal floods*
- *Analysis of the connection between mangrove, coral reef and coastal erosion*
- *GIS data processing and development of mapping supports*
- *Writing of communication and decision-support reports*
- *Partnership with local public and private stakeholders*

**March-August 2014: BEST CORAIL CRIOBE mission** – assessment of the relationship between tourism and coral reefs, Moorea, French Polynesia

- *Working with lagoon-tourism service providers (daytour, whale & dolphin watching, scuba-diving clubs, jet-ski rental)*
- *Surveys to lagoon and reef recreational users (international tourists and Polynesian residents)*
- *Analysis of recreational users perception of the marine environment and their expectations in terms of marine and coastal environment conservation and management*
- *Studying impacts of ciguatera poisoning and crown-of-thorns starfishes on users practices*

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## SCIENTIFIC REPORTS and ARTICLES

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*Coral reefs, mangroves and seagrasses in Guadeloupe: economic values of ecosystem services, indirect and direct use values*, Nicolas Pascal, Guillaume Le Port, Michel Allenbach, technical report, IFRECOR, 2014

*Prospective Tropical Ecology, a prospective of the Ecology and Environment Institute, CNRS, Les Cahiers Prospectives (french revue), article "coastal protection", p.49*

*Ecosystem service provided by coral reefs for protection against coastal flooding: a quick and clean method of valuation*, Nicolas Pascal, Guillaume Le Port, Michel Allenbach, Lauretta Burke, Eric Clua, in preparation

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## WORKSHOPS and CONFERENCES

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**International Union for Conservation of Nature (IUCN) / German Federal Agency for Nature Conservation (BFN) workshop** : Ecosystem services and benefits provided by Natural World Heritage Sites, 22-26 septembre 2014, Isle of Vilm, Germany.

Contribution: *South Pacific case studies of economic valuation of marine ecosystem services: World Site Heritage of New-Caledonia, and Moorea, French Polynesia*

**International conference on biodiversity and climate change in the European Outermost Regions (EORs), Overseas Countries and Territories (OCTs) and in the Small Islands Developing States (SIDS)**: "from strategies to actions", 22 to 25 October 2014, Le Gosier, Guadeloupe

Contribution to workshop n°5 "green and blue economy": *Importance of ecosystem service of coastal protection for EORs, OCTs and SIDS, and ways to reinforce its economic valuation as a decision-support tool*

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## EDUCATION

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> **Environmental Policies and Sustainable Development Master's degree – Sustainable Development Manager**

Social and Economic Sciences Faculty, Catholic Institute of Paris – Graduation in 2013

*Speciality*: Biodiversity Conservation

**Main Teaching Units:**

*Conservation:*

- Social impact of biodiversity loss
- Conservation project management
- Coastal resources management
- GIS mapping
- Conservation policies

*Generalities:*

- Environmental law
- Sociology
- Environmental geopolitics
- Environmental economics
- Renewable energy and efficiency policy

**Essays and reports:**

Master's degree first year essay – 2011/2012

*Biodiversity conservation in Kenya, social impact of the evolution of natural protected areas*

Master's degree thesis – 2012/2013

*Indirect use values of coral reefs: important but underestimated ecosystem services in economic valuation methods / Case of coastal protection service provided by coral reefs and associated ecosystems*

- Relationship between economics and environment : terms and conditions to apply economic and financial principles to Nature
- Present limits and boundaries of economic valuation of coral reefs services and reflexion about ways to improve valuation methods
- Development of the economic aspect of reefs as a decision-support tool

*Other essays of interest:*

- Social and environmental impacts of oil palm plantations in Indonesia
- Farming in the Niger Delta : difficult balance between food security emergencies and durability

**> Life Sciences Bachelor's degree**

Pierre et Marie Curie University, Paris VI – Graduation in 2011

Speciality: ecology and Life Sciences applied research

**Main Teaching Units:**

- Population ecology
- Conservation Biology
- Ecosystem Dynamics
- Biostatistics
- Animal development
- Animal reproduction
- Population Genetics
- Cellular and Molecular Biology

**Essays and reports:**

- Analysis of coral bleaching : impact of global warming on symbiotic relationship between coral and zooxanthellae
- Coral reefs : molecules of interest, traditional knowledge and bio-patenting

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**GENERAL SKILLS**

**Languages:** - French, native language  
- English, fluent – TOEIC: 935/990  
- Spanish, conversational

**Computing software:** Microsoft Word, Excel, PowerPoint, Prezi, qGIS

**OTHERS**

**Volunteering:**

6 months in the sea turtles clinic, Te Mana o te Moana association, Moorea, French Polynesia

**Participation to others scientific projects:**

Set up of a permanent underwater transect for biological monitoring, Insular Research and Environment Observatory Centre (CRIOBE), Tiahura, Moorea

Capture of young black tips sharks as a part of a scientific program of population census and analysis of tissues, Moorea, Polynésie Française