

# Nicolas PASCAL

43 years

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## Presentation:

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Nicolas Pascal is a conservation finance professional specialized in marine ecosystems. His projects concern the development of (innovative) financial instruments for the management of coral reef ecosystems. His professional experiences have been split between (i) the private sector (as investment banker and new business developer) and (ii) the conservation sector (environmental economy and conservation finance projects).

In the conservation sector, through experiences as project coordinator, scientist and consultant, he has developed the following skills:

- economic valuation of marine ecosystems and Marine Protected Areas
- setup of marine PES (Payment for Ecosystem Services) and other financial instruments
- conservation trust fund business plan and partnerships
- communication strategy to policy makers

Projects have been undertaken with several kinds of organizations (multilateral, bilateral, NGOs, research institutes and private financial sector) in South Pacific countries, South and Central America, the Caribbean and Indian Ocean.

He also counts with 10 years of professional experiences in financial companies as investment director and analyst.

## Education:

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2013	PhD Marine Sciences, CMIMA – CSIC (Centro Mediterraneo d'Investigaciones Marinas i Ambientales - Consejo Superior de Investigacion Cientifica), Spain. Title: “ <i>Economic Valuation of Coral Reef Ecosystem Services: Experiences From The South Pacific</i> ”
2005	Master research (D.E.A) Marine Sciences, Universidad Politecnica de Cataluña, Spain Title: “ <i>Economic impacts from Marine Protected Areas: empirical evidences from the Pacific and Mediterranean experiences</i> ”.
1997	Master in Investment Finance – INCOLDA (Instituto Colombiano de Administración), United States & Colombia.
1994	Master Grande École de commerce: Management&Economics. ICN & Université de Nancy, France.

## Present situation:

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- Coordinator of the economic programme of IFRECOR ([www.ifrecor.org](http://www.ifrecor.org)), French Initiative for Coral reefs: “Economic valuation of coral reef ecosystem services in the French overseas territories”. French Ministries of Environment and Over-Sea (Ministère de l'Ecologie, du Développement durable et de l'Energie and Ministère des Outre-Mer). The main objectives are: (i) to inform and convince policy-makers and budget makers of the economic importance of coral reef ecosystem services and, (ii) calibrate compensation offsets of impacts on coral reef, mangrove and seagrass ecosystems. 2011-2015.
- Project director of BLUEFINANCE, private financing for marine conservation. MARES (Marine Ecosystem Services) program, an initiative from Forest Trends ([www.forest-trends.org/mares](http://www.forest-trends.org/mares)). The project represents a portfolio of projects that aim for rapid uptake of coral reef ecosystem services information to develop financing mechanisms for conservation and management. Several pilot sites have been identified in the Caribbean region for initial demonstration, including Barbados, Colombia and Mexico. 2014-2019

## Past professional activities: environmental economist

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- Expert for the Pew Charitable Trust. Cost-Benefit Analysis of the set-up of the Palau Large Marine Sanctuary. 2014
- Expert for the economic valuation of coastal and marine ecosystem services for MACBIO (Marine and Coastal Biodiversity Management in Pacific Island Countries and Atolls) (BMUB-IUCN). 2014.
- Expert for UNEP World Conservation Monitoring Centre (UNEP-WCMC). Second phase of work of High Level Panel for Assessment of Resources for the CBD Strategic Plan 2011-2020. Regional research on the benefits and costs of meeting the Aichi Targets – Australasia and Pacific region. 2013-2014
- Project manager for “Cost-benefit analysis of community based Marine Protected Areas (MPAs) in the Pacific”. IUCN ORO and AFD (International Union for Conservation of Nature, Oceania Regional Office and the French development bank (Agence Française de Développement)). The main objectives are to respond to: “MPAs, a good public investment?” 2009-2013.
- Expert in the feasibility study of development assistance to the Marine Park of Mohéli (Comoros). BRL ingénierie for AFD (Agence Française de Développement). 2013
- Project manager for the economic component of “MANGLARES” “Integrated management of coastal zones and sustainable management of Mangroves of Guatemala, Honduras y Nicaragua”. UNEP (United Nations Environment Program), Regional office for Central America and the Caribbean. The objectives are the valuation of ecosystem services in the coastal natural parks in Honduras and the proposal of financial instruments for conservation financing. 2012-2013.
- Expert for the valuation of the Ecosystem Services of a Proposed Marine Reserve in the South Georgia and South Sandwich Islands (SGSSI). The Pew Charitable Trusts, London. 2013
- Coordinator of the economic taskforce of the CRISP/SPC project (Coral Reef Initiatives for the Pacific, Secretariat of the Pacific Community). 2008-2012

- Expert for the valuation of mangrove ecosystem services in Vanuatu – 2 case studies. MESCAL project, IUCN ORO (International Union for Conservation of Nature, Oceania Regional Office). 2012-2013
- Chairman of the ad-hoc committee on Coral Reef Economic Valuation. ICRI (International Coral Reef Initiative). 2012-2015.
- Expert for the project: “Economic valuation of the network of Marine Protected Areas in Colombia”: CEDE (Centro de Estudios sobre Desarrollo Económico), ABS (Americas Business Council) and NGS (National Geographic Society). 2011-2012
- Study manager of the economic valuation of coral reef ecosystem services of New Caledonia, Part I: Financial value and Part II: non-use value through choice experiment. IFRECOR (French Initiative for Coral reefs). 2008-2011
- Study manager for the economic valuation of the impacts of the St Martin MPA (Reserve Naturelle de Saint Martin), French West Indies. DEAL Guadeloupe, IFRECOR (French Initiative for Coral reefs). 2011
- Coordinator and facilitator of several Pacific Regional Workshop on Marine Environmental Economics – (Fiji, May 2008; New Caledonia, November 2010)
- Study of the economic impacts of the setup of a marine reserve in Tikehau (French Polynesia). IRD/CRISP Component 2A2 Status of coral reefs and use of their resources. 2008

#### Past professional experiences: investment banker

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- Regional investment director. Group Lar, Real Estate investment group (Spain). Tertiary projects investment development. (Spain, 2006-2007)
- Investment senior officer: Ceigrup, Real Estate Company. Residential investment plan, project analysis and team management. (Spain, 2003-2006).
- Country director: Dyneff-Rompetrol Group, petroleum product trading company (Spain). Front office activities and general management (Spain, 2000-2002).
- Stock exchange trader: B&V, banking and financial group. Front office activities in stocks and derivative products (Colombia, 1999).

#### Past professional experiences: new business developer

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- Co-funder and owner: Eurocom, economic and financial analysis. Due diligences for industrial and service companies. (Colombia, 1997-1998)
- New Business development manager, Aventis Environmental Health, Pharmaceutical and Chemical Company. Peru and Ecuador development for public health. (North Latin America, 1994-1997).

### Scientific activities:

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- Associate researcher for the CRIOBE (USR 3278): Insular Research Center and Environment Observatory from EPHE (Ecole Pratique Hautes Etudes) and CNRS (Centre National de la Recherche Scientifique) - Moorea, Polynésie française and Université de Perpignan, France.
- Lead Author for IPBES (Intergovernmental Platform on Biodiversity and Ecosystem Services) deliverable 2b – Regional assessment of biodiversity and ecosystem services for Asia and the Pacific. 2015-2017
- Councillor of the International Society for reef studies (ISRS). 2011-2014
- IUCN expert for the commissions “management of ecosystems” and “coastal and high sea”: since 2012.
- Research participation in the European project BEST CORAIL (Voluntary scheme for Biodiversity and Ecosystem Services in Territories of the EU Outermost Regions and Overseas Countries and Territories). 2013-2016
- Invited expert for the International Workshop on the Economics of Ocean Acidification: Bridging the Gap Between Ocean Acidification Impacts and Economic Valuation “Ocean Acidification impacts on fisheries and aquaculture.” Oceanographic Museum of Monaco, 11-13 November 2012
- Research participation in an IFRECOR-MEDAL interdisciplinary research project on the performance assessment of marine protected areas (PAMPA). 2007-2010
- Research participation in an ANR interdisciplinary research project GAIUS on the management policies of MPAs. 2007-2010
- Scientific advisor for the creation of a marine protected area in Garraf, Spain. Project co-financed by Generalitat de Catalunya and private funds (NGO Foundation Natura). 2004-2010
- Research participation in an ANR interdisciplinary research project GRAMP on the management of large-size MPAs (GAIUS). 2007-2010
- Research participation in the EMPAFISH project: European Union funded research project on MPAs in the Mediterranean and Atlantic (EMPAFISH): 2005-2008.

### Languages:

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Fluent: French (native), English, Spanish and Bislama

Conversant: Catalan

## Selection of recent scientific publications, proceedings & meetings:

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- Bos M., **Pascal N.**, Pressey R.L., Stoeckl N. & Lowe J. (in prep). Impact Investing for Ocean Health: opportunities and challenges,
- Laurans, Y., **Pascal, N.**, Binet, T., Brander, L., Clua, E., David, G., Rojat, D., Seidl, A., 2013. Economic valuation of ecosystem services from coral reefs in the South Pacific: taking stock of recent experience. *Journal of Environmental Management* 116 (2013) 135-144.
- **Pascal, N.**, Clua, E., Seidl, A., Meral, P., 2014. A financial and economic case for public investment in marine protected areas (MPAs): evidence from Vanuatu and St. Martin. *Marine Ecology Progress Series. Special Edition: Marine Protected Areas In Review.*
- Hilmi, N., Bambridge, T., Claudet, J., David, G., Failler, P., Feral, F.o., Léopold, M., **Pascal, N.**, Safa, A., 2014. Préserver la biodiversité des récifs coralliens: l'évaluation économique comme outil d'une gouvernance multi-échelle. *Les sciences humaines et sociales dans le Pacifique Sud – Cahiers du Credo – 2014 Chapitre 14*
- **Pascal, N.**, 2013. Coral Reef Ecosystem Services Economic Valuation Experiences From The South Pacific. Ph.D dissertation. Doctor of Philosophy, Department of Marine Sciences, UPC, Universitat Politècnica de Catalunya (Spain), Supervisor Dr. Francesc Maynou and Dr.Eric Clua.
- **Pascal, N.**, Brander, L., Clua, E., David, G., Laurans, Y., Seidl, A., 2012. What impacts to expect from economic valuation of coral reefs? *Proceedings of the 12th International Coral Reef Symposium, Cairns, Australia, 9-13 July 2012 22D Economic valuation and market-based conservation.*
- **Pascal, N.**, 2011. Cost-Benefit analysis of community-based marine protected areas: 5 case studies in Vanuatu, South Pacific. *SPC Fisheries Newsletter #134 - January/April 2011, 48p.*
- **Pascal, N.**, Rojat, D., Gereva, S., Tiwok, T., 2010. MPAs: good for fish, good for people? Cost-benefit analysis of Community based marine managed areas: 5 case studies in Vanuatu (South Pacific). *Proceedings of the Fifteenth Biennial Conference of the International Institute of Fisheries Economics & Trade (IIFET), July 13-16, 2010, Montpellier, France. International Institute of Fisheries Economics & Trade, Corvallis, Oregon, USA, 2010. CD ROM. ISBN 0-9763432-6-6.*

- **Pascal, N.**, 2015. Economic valuation of Palau Large Marine Sanctuary - Costs and Benefits. A report for the The Pew Charitable Trusts, Global Ocean Legacy - Palau Office. 30 pages + annexes.
- **Pascal, N.**, Brander, L., Crossman, N., Dang, T., 2014. Regional research to inform the high level panel on global assessment of resources for implementing the strategic plan for biodiversity 2011-2020. Final report for Australasia and Pacific region. CBD technical report, 35 p.
- **Pascal, N.**, 2014. Analysis of economic benefits of mangrove ecosystems. Case studies in vanuatu: Eratap and Crab Bay. IUCN ORO International Union for Conservation of Nature and Natural Resources, Oceania Regional Office. Project MESCAL, Mangrove EcoSystems for Climate Change Adaptation & Livelihoods. Technical report, 147 pages.
- **Pascal, N.**, 2014. World Heritage Benefits: A global analysis of the ecosystem services and other key benefits provided by natural World Heritage sites. New Caledonia. . IUCN's World Heritage Programme, UNEP-WCMC - Technical report, 15 p.
- **Pascal, N.**, LePort, G., 2014. Valeur Monétaire Des Écosystèmes Coralliens et Associés De Moorea. . BEST – voluntary scheme for Biodiversity and Ecosystem Services in Territories of European overseas - "CORAL REEFS IN A CHANGING WOLD" Technical Report, 120 p.
- **Pascal, N.**, Seidl, A., 2013. Economic benefits of Marine Protected Areas: case studies in Vanuatu and Fiji, South Pacific. International Union for Conservation of Nature (IUCN) and Agence française de Développement (AFD) - Research report, IRCP (EPHE/CNRS), 261 pp.
- **Pascal, N.**, LePort, G., Allenbach, M., 2013. Ecosystèmes coralliens de Guadeloupe, valeur économique des services écosystémiques - Partie I: Valeur financière (*Financial value of ecosystem services of New Caledonia coral reefs*). IFRECOR (Initiative Française pour les Récifs Coralliens) Nouvelle-Calédonie, Avril 2013, 133p.
- **Pascal, N.**, Laurent, J.-M., Burgos, E., 2013. Instrumentos financieros para la financiación del Parque Nacional Jeannette Kawas, Honduras (*Financial instruments for a national park in Honduras*). Technical Report - UNEP, United Nations Environmental Program, Regional office for Latin America and the Caribbean, 45p.
- **Pascal, N.**, Marre, J.B., 2012. Non-merchant use of New Caledonia coral reef ecosystems: choice experiment application. Economic value of coral reef ecosystem services of New Caledonia, Part II: non-use value. DEAL/AAMP New Caledonia, IFRECOR technical report, 75 p. + annexes.

- François, O., **Pascal, N.**, 2012. Compensation of Impacts on Coral Reef Ecosystems. Comparative Study of the U.S. and French Frameworks and Practices for Ex-ante and Ex-post valuation of Impacts and Compensation on Coral Reef ecosystems. Technical report, IFRECOR. 40 p.
- **Pascal, N.**, 2011. Cost-Benefit analysis of community-based marine protected areas: 5 case studies in Vanuatu, South Pacific. Technical report, CRISP, 107 p.
- **Pascal, N.**, 2011. Economic value of the impacts of the St Martin MPA (Reserve Naturelle de Saint Martin). DEAL Guadeloupe, IFRECOR. Technical report, 80 p. + annexes.
- **Pascal, N.**, 2010. Economic value of coral reef ecosystem services of New Caledonia, Part I: Financial value. IFRECOR Nouvelle-Calédonie. Technical report, 155 p. + 12 maps.