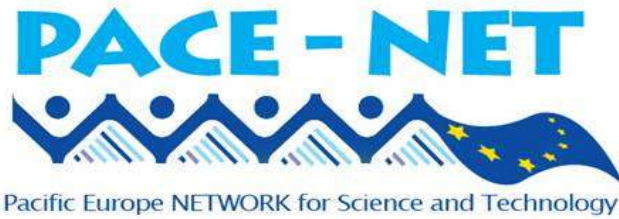


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PACE-Net: Pacific Europe network for Science and Technology
Project no. : 244510

Deliverable 2.4.

**PACE-Net presentation at
PECC Forum in Noumea
22-24 November, 2012**

Work Package 2: Deliverable Report 2.4.

Prepared by: Olivier Auguin (SPC) and Fadhila Le Meur (PACE-Net project manager)

Date: 30 Novembre 2011



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The partners in charge have had some difficulties to present the findings of the reports because research is not a priority for most of the pacific countries. Lobbying is done to urge the policy makers to include research in their agendas for 2012 meetings.

In the meantime, the project has been presented in other technical regional meetings such as the Pacific Economic Cooperation Council (PECC).

A longer term study would be useful to help the Pacific countries and territories better define their research strategy.

To provide the policy makers with a better knowledge of the state of the art of research in the region, SPC produced with the assistance of USP, a document based on task 1.3 where all significant research projects conducted in the Pacific, are described. This document will soon be available on the project website.



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Pacific Economic Cooperation Council

The Pacific Economic Cooperation Council (PECC) is a non-profit international organization committed to the promotion of cooperation and dialogue in the Asia-Pacific. Founded in 1980, the Council is a tripartite network of 26 member committees comprising individuals and institutions dedicated to this shared mission. Of the 26 member committees, 23 represent the economies of Australia, Brunei Darussalam, Canada, Chile, China, Colombia, Ecuador, Hong Kong (China), Indonesia, Japan, Korea, Malaysia, Mexico, Mongolia, New Zealand, the Pacific Islands Forum, Peru, the Philippines, Singapore, Chinese Taipei, Thailand, the United States of America, and Vietnam. The PECC also has one associate member, France (Pacific Territories), and two institutional members, the Pacific Trade and Development Conference and the Pacific Basin Economic Council. As the only non-governmental official observer of APEC (Asia-Pacific Economic Cooperation), PECC provides independent business and research input for the regional policy-making process. www.pecc.org

SEMINARS

Seminar 1: *"Oceans at Risk: Protection from the ocean to the coast, sharing marine resources"* Nouméa, New Caledonia, November 22-24, 2011

Seminar 2: *"Ocean as a Source of Renewable Energy"* Honolulu, Hawaii, USA, May 2012 (TBC)

Seminar 3: *"The Management of Oceans' Natural Resources and Oceans as a Means of Communication"* Auckland, New Zealand, November 2012 (TBC)

PECC International Project 2011-2012: Sustainable Management of Marine Resources

Background

In 2010, PECC Standing Committee endorsed the proposal made by France Pacific Territories committee for PECC (FPTPEC), to implement an international project on the **Sustainable Management of Marine Resources**.



Three seminars are planned over the 2011-2012 period. These seminars will point out the richness and scientific breakthroughs that can be derived from better management of the oceans in the field of food, security, medicine and energy production.

Major economic, environmental and social challenges arise in the management of oceans and coastal areas. An integrated and sustainable approach is essential to allow for better protection and exploitation of marine resources, and development of recreational and economic activities.

Economic activities are mostly located in coastal areas. As stated by the World Bank, by 2025, 6 billion people, or 75% of the world population, will live within 60km from coast. This will particularly be true for emerging economies of the Asia-Pacific. It is imperative that different stakeholders — including policy-makers, businesses, research, civil society, and media — act upon the urgency of the situation through a multi-pronged approach.



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(Venue: Secretariat of the Pacific Community, Anse-Vata)

SUPPORTING ORGANIZATIONS



HAUT-COMMISSARIAT DE LA
RÉPUBLIQUE
EN NOUVELLE-CALÉDONIE



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DAY ONE (22 NOVEMBER 2011): AFTERNOON

SESSION 2: Protecting the marine environment for sustainable economic development

The oceanic environment is subject to multiple pressures from varied sources. One third of fish species and 70% of coral reefs are estimated to be at risk of disappearing in the near future, mostly due to overfishing, climate change and pollution from coastal cities and shipping. Sustainable fish farming provides an opportunity for both economic development and implementation of more efficient resource management. However, sustainable aquaculture can also be hampered by conflicts over site access, competition with recreational use, pollution, and limits on the harvests of fish. There is an urgent need to optimize the use of fish and the coastal zone for capture fisheries, aquaculture and tourism.

Chair: Jean-Yves Perrot, Executive Chairman, IFREMER (French Research Institute for Exploitation of the Sea)

- 14.00-14.30 Critical indicators on marine spatial planning and community renaissance around the Turtle Island, Chinese Taipei
(Ching-Ta Chuang, Professor and Director of National Taiwan Ocean University)
- 14.30-15.00 The role of regional and multilateral regulators to maintain fisheries resources
(Andrew Wright, Convention on the Conservation of Antarctic Marine Living Resources (CCAMLR))
- 15.00-15.30 Coastal conservation practices (SATOUMI) and marine protected areas in Japan: Institutional approaches
(Nobuyuki Yagi, Graduate School of Agriculture and Life Sciences, the University of Tokyo)
- 15.30-16.00 General discussion
- 16.00-16.30 Coffee break
- 16.30-17.00 Protecting "spawning aggregation zones" and local indigenous fishing practices
(Henri Boyé, MEDDLT, in collaboration with Yvonne Sadovy and Eric Clua)
- 17.00-17.30 Food security and vulnerable populations: Perspectives on fish and the sustainable use of marine resources
(Gillian Bowser, Office of Marine Conservation, US Dept. of State)
- 17.30-18.00 General discussion

**18.30-20.30 Cocktail offered by the Government of New Caledonia
(Venue: SPC)**

Welcome address by Harold Martin, President of the Government of New Caledonia
Remarks by Michel Rocard, Chair of FPTPEC, former Prime Minister of France



DAY TWO (23 NOVEMBER 2011): ALL DAY

Field visit to a fish farm (lunch provided) - organized by IFREMER

(pick-up from hotels at 7h45)

Evening free



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DAY THREE (24 NOVEMBER 2011): MORNING

SESSION 3: Mitigating urban and industrial impacts on the quality of marine resources - How to protect the oceans from pollution generated by coastal states

Nearly 4 billion people live in coastal areas. Inadequate domestic and industrial waste treatment facilities in some large cities, and dumping of untreated effluent directly into the sea can have a major impact on the marine environment. International cooperation is needed to stop the practice of considering the ocean as an auto-recycling industrial and domestic rubbish dump. Climate change and CO² emissions are deteriorating the oceans. How can we prevent long-term pollution of the ocean by unregulated coastal activities? Several initiatives have been taken at national and international levels to protect the oceans. However, these initiatives must be linked to economic development objectives.

Chair: Charles E. Morrison, Co-Chair PECC

- 9.00-9.30 An example of management of industrial waste for efficient coastal preservation in the PIC: Use of nickel slag
(Dominique Chu Van, SLN/ Pierre Kolb, A2EP/ Michel Allenbach, University of New Caledonia)
- 9.30-10.00 New economic models to preserve natural resources and limit the amount of wastewater and solid waste entering the oceans
(Nicolas Renard, Veolia Environment)
- 10.00-10.30 Fisheries waste treatment project
(Manuel Ducrocq, Adecap/ ZONECO)
- 10.30-11.00 Coffee break
- 11.00-11.30 Development of environmental services to mitigate the urban and industrial impact on the quality of marine resources
(Fabrice Polizzi, Plant Operations Manager, Calédonienne des Eaux)
- 11.30-12.30 General discussion
- 12.30-13.30 Lunch (offered by Calédonienne des Eaux)



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DAY THREE (24 NOVEMBER 2011): AFTERNOON

CONCLUDING SESSION: Sustainable management of biological resources; increasing the value of marine biodiversity (e.g. biofuels, medicine, cosmetics, food, goods and services)

Renewable biological resources offer interesting possibilities for economic development. Algae have been identified as having development potential in the field of biofuels, cosmetics and medicine; marine molecules are used in numerous pharmaceutical processes. Experiments on micro-organisms are conducted worldwide, including those discovered in deep sea and hydrothermal zones.

Chair: Michel Rocard, Chair, FPTPEC

- 13.30-14.00 **NET-BIOME**—Networking Tropical and Subtropical Biodiversity Research in Outer-Most Regions and Territories of Europe in Support of Sustainable Development
(Josiane Irissin-Mangata, Conseil Régional de la Réunion)
- 14.00-14.30 Potential for microalgae R&D in New Caledonia
(Jean Paul Cadoret, IFREMER, Nantes/ Liet Chim, IFREMER, New Caledonia)
- 14.30-15.00 Economic development calls for additional availability of clean water from desalination: The chemical impact on oceans
(Henri Boyé)
- 15.00-15.30 Coffee break
- 15.30-16.00 General discussion
- 16.00-17.00 Conclusion—Presentation of recommendations by session chairs
(Jean Luc Le Bideau and Charles E. Morrison)

19.00-21.00 Cocktail hosted by the High Commissioner of New Caledonia
(pick-up from hotels at 18h45)
Welcome address by Albert Dupuy, High Commissioner, New Caledonia
Remarks by Michel Rocard

DAY FOUR (25 NOVEMBER 2011): MORNING

09.00-12.00 Visit to the Nouméa liquid waste treatment plant (Calédonienne des Eaux)
(pick-up from hotels at 8h15)



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