

# “Reconciling mining and the Sustainable Development in the Pacific Countries”



**Landcare Research**  
Manaaki Whenua



# “Reconciling Mining and the Sustainable Development in the Pacific Countries”

**PACE-NET** PLUS



PACIFIC-EUROPE NETWORK FOR SCIENCE, TECHNOLOGY AND INNOVATION

## General Objectives, Sub-topics and Groups



**Landcare Research**  
Manaaki Whenua

**CNRT**  
**NICKEL**  
& son environnement



# Potential and risks

The Pacific Region is of critical importance for **Global Sustainability**

## Rich in natural resources :

- Large percentage of the global Biodiversity / huge quantities of Marine livestock / Mineral resources (terrestrial – Deep marine)

## Rich in diversity in terms of cultures and languages

Rising sea level, pollution, other environmental degradations, societal changes in the Pacific Region & Insular countries >>> **risk** with potential local and global **impacts**

Explore how to address the challenges of : Reconciling mining and sustainable development ?



# Think Tanks objectives

1/ Initiate or feed into a **bi-regional and operational community** of work and practice in the field of “Mining and environment”.

The PACE-Net Plus program can be considered itself as a facilitator of this community

2/ During work sessions, discuss the latest knowledge and the gaps to fill and then **identify priority areas** for research and innovation to address challenges in this sector

3/ Identify necessary **partnerships**



# Outputs = Recommendations

Make recommendations that will:

- **define and update science, technology and innovation (STI) priorities in the Pacific area to address the challenges:** future EU-Pacific cooperation, recommendations to policy makers, and identification of innovation niches
- **define joint “projects”** such as calls for research, exchange of knowledge between the Pacific and EU and vice-versa, programming work (potential synergies, use of existing programmes)
- identify **funding options** and potential **partner institutions**

The recommendations will feed into the ongoing **bi-regional policy dialogue** which seeks to enhance scientific and technological cooperation on the decision maker level.

# 3 Sub-topics

- **Sub-topic 1:** Enhancing environmental consideration in mining while answering societal needs
- **Sub-topic 2:** Increasing knowledge on deep-sea mining environmental and social impacts
- **Sub-topic 3:** Mining industry and corporate social responsibility as a vector of societal innovation





# 1 / Enhancing environmental consideration in mining while answering societal needs

## Terrestrial mining including quarries for building materials

Covered: Biodiversity conservation and compensation, ecological services disturbance, sites restoration, other natural resources management – water, energy, farmlands...-, recycling of mining sub-products;

The scientific knowledge, technologies, capacities and practices, policies and regulations may be improved and may open up innovative ways regarding mining activities management



To drive mining industry and economic prosperity in a way that ensure preservation of biodiversity, natural resources integrity and ecological services for the current and next generations





## 2 / Increasing knowledge on deep-sea mining environmental and social impacts

### Deep-sea Minerals a potential source of revenue for Pacific Countries

But what would be the **potential effects** of that emerging industry ?

Covered: Technologies and environmental risks (biodiversity, fishery resources, nuisances and pollutions), social impacts and decision-making processes, institutional and legal framework are not documented enough



Fill the gaps of knowledge to enable efficient decision making process in the Pacific countries

Ensure an equitable share between environmental and social costs and the potential benefits





## 3 / Mining industry and corporate social responsibility as a vector of societal innovation

### Mining activities lead deep social and environmental changes

Covered: Societal changes, projects acceptability by affected communities and related adaptive strategies, inter-relations between local communities and mining companies.

Lessons have to be learned from past experiences, dramatic examples of failed development, or environmental disasters

Project acceptability: highly dependant on mechanisms of disclosure, consultation, integration of people in the decision making processes.

 Consider a **Regional specificity** to support a better consideration of needs, well-being and harmonious development of local communities

# 3 Sub-topics = 3 Groups

- **Sub-topic 1: Enhancing environmental consideration in mining while answering societal needs**

**Facilitators** : Fabrice COLIN & Kristina GEMBIAK

- **Sub-topic 2: Increasing knowledge on deep-sea mining environmental and social impacts**

**Facilitators** : Geoffroy LAMARCHE & Akuila TAWAKE

- **Sub-topic 3: Mining industry and corporate social responsibility as a vector of societal innovation**

**Facilitators** : Kifle KAHSAL & Kristine M. BERGERON

# Work in group

- Interactive
- Innovative
- Providing ideas
- Sharing experience
- Drafting projects ideas

Each of you will have the opportunity to add your ideas in each sub-topic (methodology)