

WP3: Climate Action, Environment, Resource Efficiency and Raw Materials



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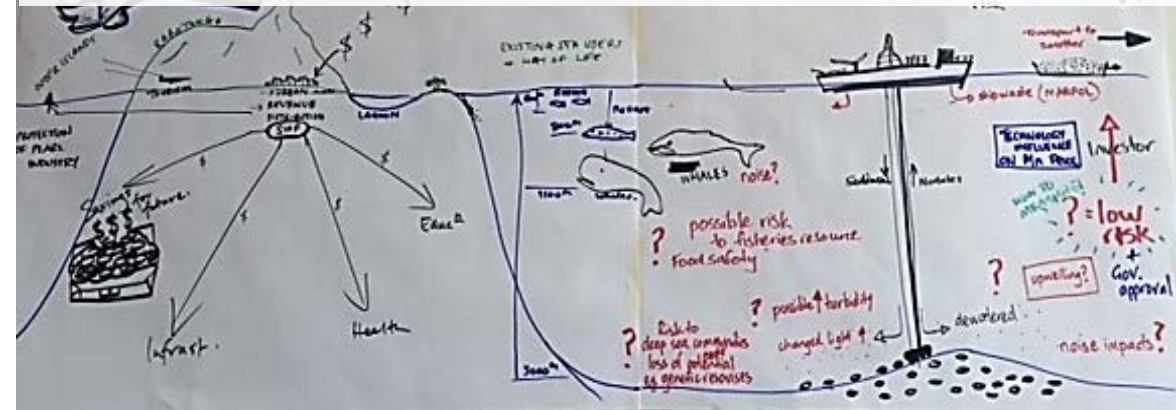


Two 'Think-tanks'

**Enhancing community resilience:
managing environment, water and
wastes under a changing climate**
Bremen, March 2014



**Reconciling Mining and Sustainable
Development in the Pacific Countries**
Auckland, December 2014



1. Enhancing community resilience: managing environment, water and wastes under a changing climate

- Scope involved exploration of:
 - **knowledge** necessary to develop **human and ecological community resilience**
 - **policies** and **practices** required for mitigation of impacts and adaptation to changing climates
- Specific areas of resilience management interest:
 - **Environment and environmental change**
 - **Water**
 - **Waste**



3. Priority Areas for action

Waste, water,
sanitation and
water-borne
diseases

Climate
change
adaptation
and mitigation
technologies
and
processes

Sustainable
development
and
enhancing
community
resilience

Data
acquisition
and linked
research

Education,
training,
capacity
building and
awareness
raising

Governance
processes:
resource
management
and equity

Use of a Pacific approach to developing
policy that maintains **equity and
community sharing**

2. Reconciling Mining and Sustainable Development in the Pacific Countries



- **Sub-topic 1:** Enhancing environmental consideration in mining while answering societal needs
- **Sub-topic 2:** Increasing Knowledge of Social and Environmental Impacts of Deep Sea Mining
- **Sub-topic 3:** Mining industry, corporate social responsibility as a vector of societal innovation

Case studies

- Coal mine, South Island, NZ
- Pre-exploration case study, NC
- Nauru
 - Solwara 1, PNG
 - Cook Islands
 - Phosphate in NZ
 - Koniambo, NC
 - Gold Ridge, Salomon
 - Kudubu, PNG





Priority Actions

- Strengthen **governance** and **regulation** of mining activities and imagine financial mechanisms to assure offsets, decommissioning and “after-mining” local economy
- Mining project **disclosure** and **systematic integration of communities** into the decision-making process all along the project’s life-cycle
- Consolidate the **regional databases** and enhance knowledge access and sharing (regional resource center) on natural and human environment
- Develop suitable methodology for **risks assessment** (comprising cumulative and trans-boundary risks and impacts)
- Supporting innovative and **green technology** transfer to facilitate the development of mining and other projects in a sustainable way

Think-tank and funding outcomes

Enhancing community resilience: managing environment, water and wastes under a changing climate

- 9 original project ideas from the think-tank

Reconciling Mining and Sustainable Development in the Pacific Countries

- 6 original projects ideas from the think-tank

19 applications for seed funding across the workpackage theme
(not all from the think-tanks)

- 7 were successful

