

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



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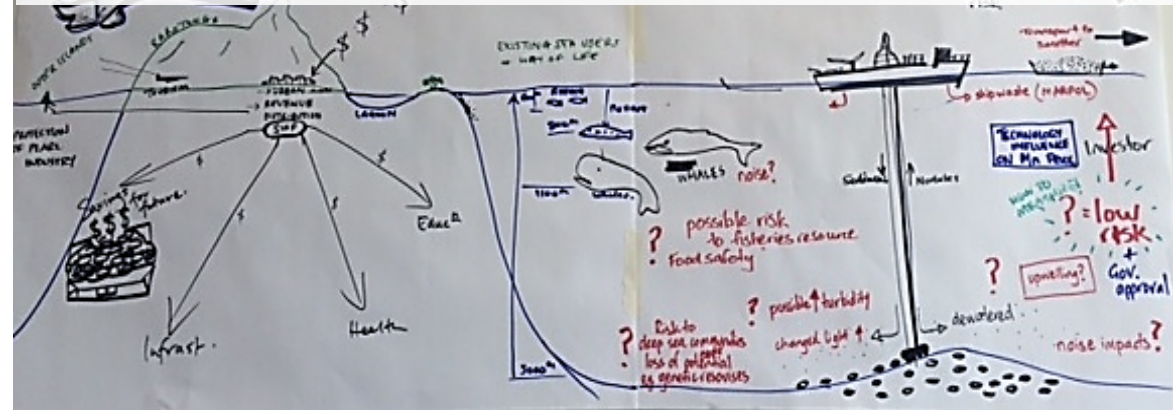
# Two 'Think-tanks'



**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**



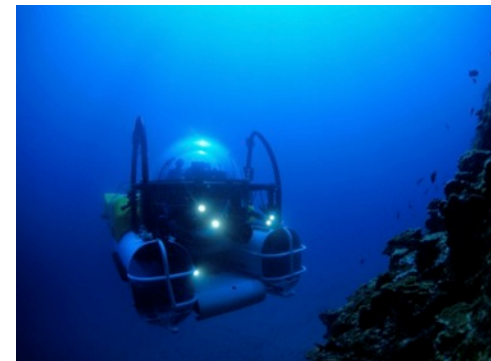
## 2. Reconciling Mining and Sustainable Development in the Pacific Countries



- **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

