

**SPC-EU EDF10 Deep Sea Minerals (DSM) Project Inaugural Regional Workshop**  
**“High Level Briefing on the Status of Deep Sea Minerals in the Pacific Islands Region  
and Planning for a Regionally Integrated Way Forward”**

**6<sup>th</sup> – 8<sup>th</sup> June 2011**  
**Tanoa International Hotel**  
**Nadi, Fiji.**

**Workshop Programme**

<i>Time</i>	<i>Activity</i>	<i>Presenter</i>
<b>Day 1 – Monday 6 June 2011</b>		
8.15 – 9.15 am	Registration	Programme & Project Assistants
9.15 – 10.15	<b>SESSION 1</b>  Brief welcome and introduction  Official Opening  Introduction of Participants  Workshop programme, workshop outline – purpose, expected results and outcomes, House keeping matters	Arthur Webb (SPC)  Russell Howorth (Director – SOPAC Division)  Participants  Akuila Tawake
	<b>Group Photo for workshop participants</b>	
10.15 – 10.30	<i>Morning Tea</i>	
10.30 – 12.30 pm	<b>SESSION 2 [SPC-EU DSM Project and Related Activities]</b>  Overview of the SPC-EU EDF10 Deep Sea Minerals (DSM) Project: Background of offshore minerals exploration in the region, mode of project implementation, Key Result Areas and planned activities  Relevance of UNCLOS to marine mining and the rights of a coast state under UNCLOS, regional conventions/agreements, relevant national policies and laws, DSM Project proposed method of policy and legislation developments  SPC-UNEP/GRID-Arendal proposed collaboration on Pacific Marine Minerals and Deep Sea Mining	Akuila Tawake  Hannah Lily (SPC)  Yannick Beaudoin (UNEP/GRID)

	<p>Assessment, scope and deliverables, similar UNEP/GRID products</p> <p>Status of the regional Maritime Boundary Delimitation and the Extended Continental Shelf claim</p>	Arthur Webb (SPC)
12.30 – 1.30	<i>Lunch</i>	
1.30 – 3.00	<p><b>SESSION 3 [Deep Sea Minerals Occurrence and Potential]</b></p> <p>A global overview of the Deep Sea Mineral: Occurrence, trend and potential with Case Studies</p> <p>Deep Sea Mineral occurrence and potential in the Pacific Islands Region with Case Studies</p> <p>Manganese Nodules and Cobalt-rich Crust – Previous studies, geology, characteristics and potential globally and in the Pacific region</p>	<p>Jim Hein (USGS)</p> <p>Akuila Tawake</p> <p>Jim Hein</p>
3.00 – 3.15	<i>Afternoon Tea</i>	
3.15 – 5.00	<p><b>SESSION 4 [Country Perspective and Legislative Framework]</b></p> <p>Cook Islands – manganese nodules exploration interests and state of knowledge, the new Cook Islands seabed minerals policy and legislation, needs and required assistance?</p> <p>Tonga – Seabed exploration in Tonga: new industry, potential for economic growth, capacity building, policy and legislation vacuum</p> <p>Fiji – Resource potential and state of knowledge. Challenges in policy and legislation development and investment in offshore minerals exploration and mining</p> <p>Proposed legislative and administrative frameworks for Deep Sea Minerals and mining</p>	<p>Paul Lynch (MFAI, Cook Islands)</p> <p>Rennie Vaiomounga (MLSNR, Tonga)</p> <p>Malakai Finau (MRD, Fiji)</p> <p>Robert Makgill (N-S Environmental Law)</p>
6.00 – 8.00	<b>Cocktail – All participants are invited</b>	
<b>Day 2 – Tuesday 7 June 2011</b>		

8.30 – 10.15 am	<p><b>SESSION 5 [The PNG Experience – Legislative Development and Offshore Mining Potential]</b></p> <p>Overview of the review of the mineral policy and legislation</p> <p>Overview of the draft PNG Offshore Mining Policy</p> <p>PNG's claim for the extended boundaries of the continental shelf and its implications on the development of the policy</p> <p>A developing country's challenges in permitting/regulation underwater mining – PNG experience</p> <p>State equity participation in the Solwara 1 Project</p> <p>An overview of Geohazards Management Division and its connection to deep sea mining</p>	<p>Harry Kore (DMPGM, PNG)</p> <p>Steve Raaymakers (DMPGM)</p> <p>Gregory Roaveneo (DMPGM)</p> <p>Jerry Naime/Lyndah Brown/Kola (MRA)</p> <p>Shadrach Himata (DMPGM)</p> <p>John Arumba (DMPGM)</p>
10.15 – 10.30	<i>Morning Tea</i>	
10.30 – 12.30 pm	<p><b>SESSION 6 [Fiscal Regime Options relating to Mining]</b></p> <p>Mining taxation regimes: range of mining taxation available, fiscal regime commonly used globally, what regime is best for the Pacific? A case study as an example</p> <p>The importance of transparency and macroeconomic management in extractive industries economies</p> <p>Mining the Deep: new economies for a blue world – alternative fiscal regime example from Norway</p>	<p>George Niumataiwalu (Kontiki Capital)</p> <p>Graeme Hancock (World Bank)</p> <p>Anne Solgaard (UNEP/GRID)</p>
12.30 – 1.30	<i>Lunch</i>	
1.30 – 3.15	<p><b>SESSION 7 [Environment Conservation and Deep Sea Ecosystems]</b></p> <p>Deep sea mineral resources – the challenge of environmental sustainability</p> <p>Hydrothermal vent ecosystems: discovery, species variability on temporal and spatial scales, importance and uses, conservation issues and vent protected areas</p> <p>Deep sea nodule and crust ecosystems: benthic assemblages of manganese nodules and cobalt-rich crusts</p> <p>Current Activities of KORDI's Environmental Study for Deep-Sea Mining</p>	<p>Jan Steffen (IUCN)</p> <p>Chuck Fisher (Pennsylvania State University)</p> <p>Malcolm Clark (NIWA)</p> <p>Ju-Won Son (KORDI)</p>

3.15 – 3.30	<i>Afternoon Tea</i>	
3.30 – 5.00	<p><b>SESSION 8 [Private Sector Perspective and Interests]</b></p> <p>Solwara 1 Project Update</p> <p>Deep ocean seafloor mineral extraction: environmental and social responsibility for a new industry</p> <p>Exploration activities of KORDI for deep sea minerals development in the Pacific region</p> <p>Nauru Ocean Resources Inc (NORI): company update, interest in the Pacific, planned activities, challenges, benefits to Nauru and other PICs</p>	<p>Samantha Smith (Nautilus Minerals)</p> <p>Samantha Smith</p> <p>Jonguk Kim (KORDI)</p> <p>Robert Heydon (NORI)</p>
6.30 -8.00	<p><b>[Informal side event with representatives of PICs]</b></p> <p>Examining higher level principles of New/Transitional Economics and how these principles can provide new options across many PIC economic sectors</p>	Anne Solgaard, Yannick Beaudoin and Linwood Pendleton
<b>Day 3 – Wednesday 8 June 2011</b>		
8.30 – 10.15 am	<p><b>SESSION 9 [General DSM Related Issues]</b></p> <p>Seafloor Massive Sulphides (SMS) – global characteristics, distribution, and regional Pacific potential</p> <p>International Seabed Authority (ISA) and the regulatory regime for deep seabed mining</p> <p>Challenges of policy and legislation development in Pacific Island Countries, and suggestions for improvement</p> <p>Economic considerations of deep sea mining</p>	<p>Sven Petersen (IFM-GEOMAR)</p> <p>Michael Lodge (ISA)</p> <p>Clark Peteru (SPREP)</p> <p>Linwood Pendleton (NOAA)</p>
10.15 – 10.30	<i>Morning Tea</i>	

10.15 – 12.30 pm	<p><b>SESSION 10 [Plenary Session 1]</b></p> <p>Each group is required to discuss the three major issues given below and identify problems/concerns with recommended mitigating measures and solutions, and the way forward:</p> <p><b>Issue 1:</b> offshore exploration and mining, mineral potential, maritime boundary, technology development and transfer, private sector perspective, implications of UNCLOS and other laws, stakeholder collaboration and partnership.</p> <p><b>Issue 2:</b> conservation of deep sea ecosystems, fishery and other marine resources, potentially impacted communities, community concerns, outreach, implications of UNCLOS and other laws, stakeholder collaboration and partnership.</p> <p><b>Issue 3:</b> fiscal regime and policy, development of the regional framework and national policy / legislation / regulations, legal drafting, implications of UNCLOS and other international / regional conventions, existing national policy and laws, stakeholder collaboration and partnership.</p>	Participants
12.30 – 1.30	<i>Lunch</i>	
1.30 – 3.00	<p><b>SESSION 11 [Plenary Session 2]</b></p> <p>Wrap up plenary discussions and Team Leaders to present individual team plenary report</p>	Participants
3.00 – 3.15	<i>Afternoon Tea</i>	
3.15 – 4.30	<p><b>SESSION 12 [Discussion and Outcomes]</b></p> <p>Discussion and agreement on the three plenary reports, priorities and the way forward</p>	Participants
4.30	Close of Workshop	SPC SOPAC Division
6.00 – 7.00	<p><b>[Meeting to discuss the DSM Project Steering Committee (Restricted Attendance)]</b></p> <p>Discussion by representatives of participating countries, RAO, SPC and the EU on the operations of the DSM Project Steering Committee</p>	

## **Plenary Teams**

To increase the opportunities to contribute to discussions, participants will be divided into three plenary teams. Participants will be assigned to teams (individuals will be assigned to a team once all participants are confirmed), with representation across various stakeholder interests and disciplines. Each Team Leader will be required to report back after the plenary session and each team will also need a scribe to record notes.

## **Workshop Output**

The DSM Project Team will put together the workshop proceedings which will be sent to participants once it is finalised.