SPREP Pacific Environment Forum 2017

Mapping our environment priorities with GIS and Spatial Planning tools

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Session Overview

Demonstrate the importance of spatial data, spatial planning tools and spatial visualisations to enhance decision-making, environmental assessments, policy, monitoring and reporting.
Key Challenges

1. **Acquisition**: Accurate and current spatial data is not always available and needs to be sourced through local or other (potential expensive) means.

2. **Interpretation and analysis**: Spatial data requires expert vetting, interpretation and application specific analysis to produce intelligible and relevant results for decision making.

3. **Capacity**: The need for the required skills and resources to acquire, visualise and interpret this data.
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Solutions

1. SPREP is **capacity building** within country, focusing on:
   - GIS training for data analysis and visualisations
   - GPS training for data collection

2. Working with government and partners to develop and implement **Integrated Spatial Planning** projects (*Pacific Bio-regionalisation Project*, *MACBIO*, *PacWaste*, *BIOPAMA*)

3. Developing **online GIS systems** (gis.sprep.org) to distribute environment data for decision makers
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Key Messages

1. The role that GIS, spatial data and spatial planning tools are playing to address member environmental commitments and priorities

   Regional successes include:
   • 1st PSSA,
   • increase in Protect Areas 2.1% > 16.5%,
   • real-time monitoring of PIPA and PNA,
   • mapping of marine pollution violations & asbestos location and removal

2. Advancements in innovative environment mapping technologies in both the private and public sectors
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Key Speakers Introductions

1. **Ms. Moeumu Uili**, Scientific Technical Officer, and **Ms. Czarina Iese Stowers**, Senior Terrestrial Biodiversity Advisor, DEC (MNRE)

   Mapping Samoa’s protected area network using GPS and GIS tools.

2. **Mr. Pawa Limu**, Manager Marine Environment Protection, Papua New Guinea

   Development of the regions first PSSA

3. **Mr. Anthony Talouli**, SPREP Pollution Adviser

   Fishing vessel pollution violations

4. **Mr. Unasa Nome Saili**, Director of Sky Eye Samoa

   Innovative environment mapping technologies using Drones

After, questions and panel discussion