

Overview of Training – Objectives & Expected Outcomes

Presenter: Kasaqa Tora

Spatial Analysis Specialists Protected Areas

Overviews

- Objectives
- Expected Outcomes
- Roadmap





SPREP

Secretariat of the Pacific Regional
Environment Programme

Key Training Objectives

- Equip participants with **practical skills** to collect, manage, analyse, validate and visualise **spatial data** for environmental management and spatial planning.
- Strengthen the integration and **practical application of GIS tools** for effective environmental management and reporting.
- Support the use of GIS and Environmental Data in spatial planning processes and related approaches.
- Address existing environmental **data gaps through Earth Observation** and GIS technologies.
- Strengthen the **use of geospatial information** to support coastal–marine resource management and climate change adaptation through ecosystem-based responses.
- Develop digital spatial datasets and map outputs **to support and enhances** national environment monitoring and reporting.
- Validate and **share training datasets and maps** through the Pacific Environment Data Portal (PEP).
- **Foster collaboration and peer learning** among government officers, technical practitioners and regional partners.



Expected Outcomes

- Participants will be **confident navigating PEP and PIPAP portals.**
- Working knowledge of advanced GIS and EO applications for environmental monitoring.
- **Hands-on field data collection skills** using QField mobile tools.
- **Ability to** process, clean and integrate field data into GIS workflows.
- **Understanding** of Marine Spatial Planning (MSP) principles and GIS' role in MSP.
- **Skills** in cartographic design, metadata, and **uploading validated datasets to PEP.**
- **Country-level outputs:** datasets, maps and a **post-training action plan.**

Week at a Glance — Training Roadmap

- **Day 1** — Mon 29 June: Introduction & Regional Data Infrastructure (PEP & PIPAP)
- **Day 2** — Tue 30 June: Advanced GIS, Spatial Analysis & Mobile Data Tools (QField)
- **Day 3** — Wed 1 July: Field Trip — Mangrove Habitat Assessment & Data Collection
- **Day 4** — Thu 2 July: Spatial Data Management & Spatial Planning
- **Day 5** — Fri 3 July: Cartographic Design, Visualisation, Sharing & Sustainability

How We Will Work Together

- **Active participation** — bring country experience and data challenges into the room.
- **Peer learning** — share approaches, datasets, and lessons across countries.
- **Hands-on first** — every concept linked to a practical exercise.
- **Outputs shared** — datasets, maps and outputs generated uploaded to PEP.



Thank You!
Vinaka Vakalevu!!