



Outline / Introduction

1. What is a P3D Model ???
2. Scale Reality and Some Examples.
3. Digitizing and Data Storage (GIS) .
4. How the MNRE and Village Communities are working together in partnerships
5. Status of P3D Model in Samoa .
6. Upcoming events for Samoa Technical P3D Team
7. Conclusion and Way forward.

What is a P3D Model and it's Purpose??

- is a Participatory 3-Dimensional Modelling.
- It is also a process that can be used to generate a series of physical outputs, the information from which may be stored in a database for use in GIS.
- P3DM is also a process for planning and is a tool for positive and constructive engagement with communities, NGOS, Government and other stakeholders.
- P3DM is used in Fiji, Solomon Islands, PNG and now has come to Samoa.

Scaled Reality and some Examples.

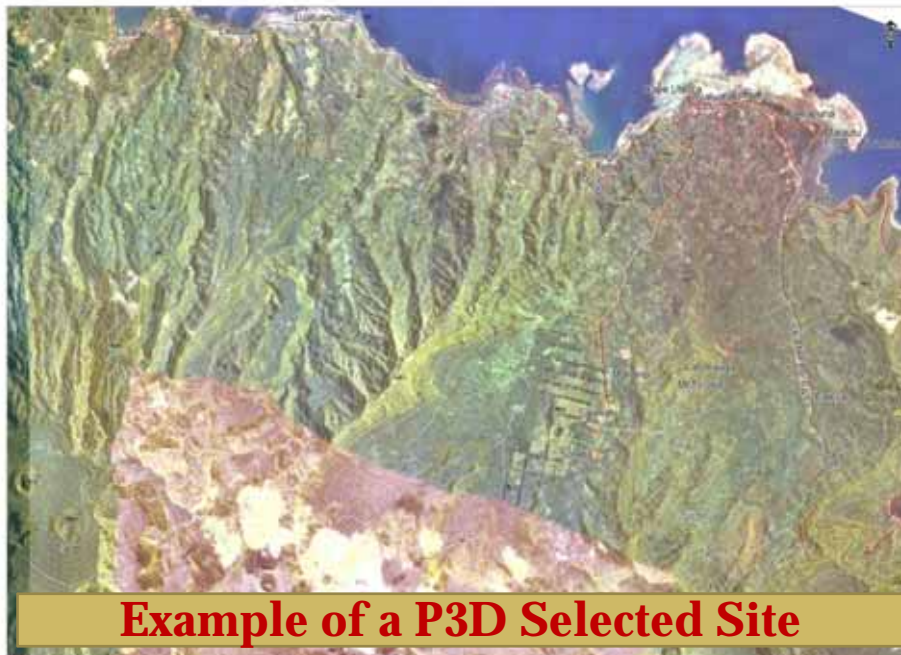
- Scale of a map can be defined simply *as the relationship between distance on the map and the distance on the ground, expressed as a proportion, or representative ratio.*
- A map or relief model, to be most useful must accurately show location, distances and elevation on a given base size.
- This means that everything featured on the map or model must be shown as a proportion to it's actual size.
- Scaling exceptions include symbols like lines and points used to identify roads, river

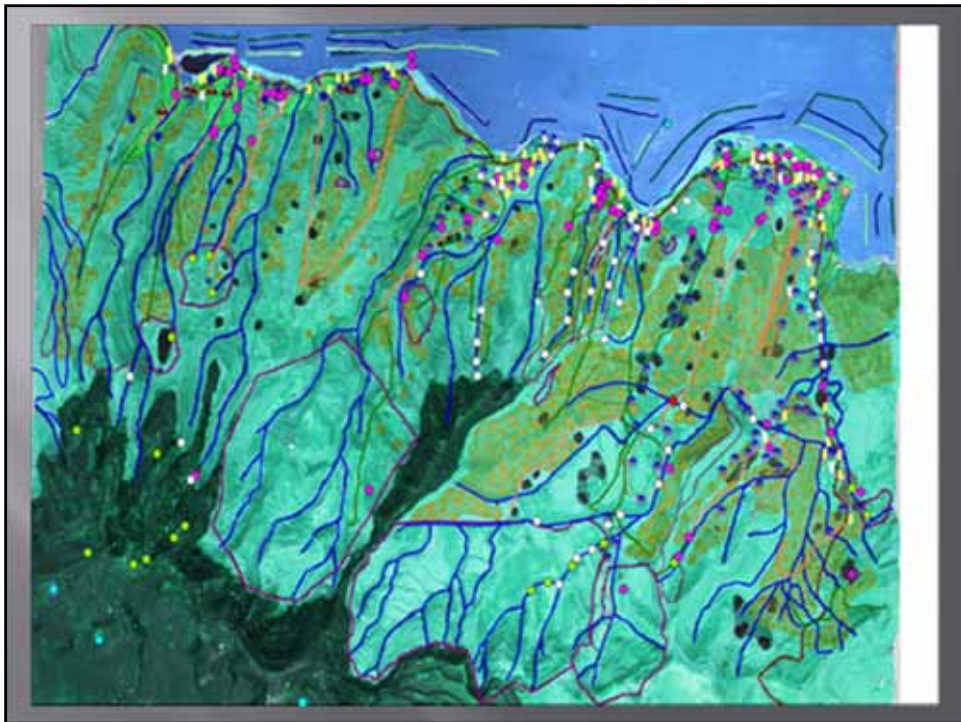
Digitizing and Data Extracting (GIS)

A Geographic Information System (GIS) is an organized collection of computer software, hardware, data and is designed to capture, store and update, manipulate, analyze and display geographically referenced information.

Data from the P3D Model can be input into a GIS for use by local government or scientists. In Samoa, local government is digitising maps in order to get up-to-date and detailed geo-referenced and scale of its jurisdiction, it also helped in a scientific study of people's ability to cope with coastal hazards.

This data may be particularly useful for local in poor and marginalised regions who are not able to purchase expensive satellite images, and it's much easier and less expensive to update on a regular basis.





Water Sector.



Forestry Sector





4 Oct 2015
www.samoanobserver.ws

SUNDAY READING



VILLAGE DEVELOPMENT: Youth of Faleseela Village proudly presented their village with a Participatory 3-Dimensional (P3D) model of the Lusa la Vei o Sika River system.

Faleseela youth climate change action

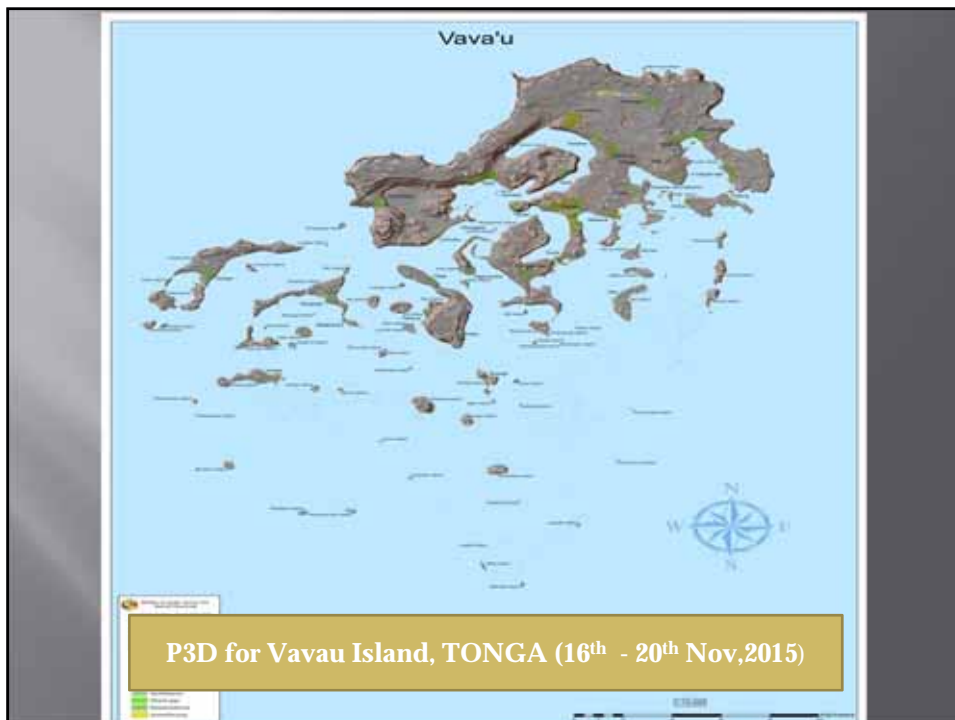
Youth of Faleseela Village proudly presented their village with a Participatory 3-Dimensional (P3D) model of the Lusa la Vei o Sika River system, watershed and riverbed area. This was after three days of training to map out the critical landscape features with key partners from the Ministry of Natural Resources.

The P3D modelling is one of the many activities implemented by the village of Faleseela through the Faleseela Environmental Protection Society (FEPS) under an UNDP-GEF Small Grants Programme grant (USD \$47,500) for the restoration of the watershed and river system. UNDP/GEF

of good partnership engagement, involvement of women and youth, building local capacity and knowledge in watershed management, and sustainable livelihoods development. The project supports and complements the activities identified in the MWRD Faleseela Management Plan recently finalized by the Water Resources

continue to refer to it."

Tabelelavava Ualeki, FEPS President and a high talking chief of Faleseela village in his closing remarks on behalf of the village said, "We are so pleased with the success of this work and the valuable contribution that our young people have made towards a





Conclusion / Recommendation

- ❑ P3DM is an important tool that can provide a bridge/platform for local people communities to talk with and engage with Government/Policy Makers at the national, regional and international level.
- ❑ P3DM has many applications as useful planning tool for natural resource management, climate change adaptation & Mitigation and Disaster Risk reduction.
- ❑ The P3DM enables us to reflect on the past, look at the present and propose new perspectives for future sustainable management of resources for Samoa and other pacific island countries

