

Strengthening Adaptive Capacity in Choiseul, Solomon Islands



Ms Robyn James

rjames@tnc.org

The Nature Conservancy



Australian Government
AusAID



Manus Province



Choiseul Province



MACARTHUR
The John D. and Catherine T. MacArthur Foundation



WWF
for a living planet

CELCoR



Mama Graun
Conservation
Trust Fund



University of Wollongong



Community based adaptation: The case of Choiseul



Choiseul is a large island administered by a provincial authority but customary land ownership and traditional institutions vital in governance of natural and cultural resources

2008: Collected Chiefs of Lauru (Choiseul) (LLCTC) declared a “reefs to ridges “ network of protected areas across the island

2011: LLCTC with TNC and other partners undertook participatory activities in Boe Boe Community, Choiseul Province to help visualize this commitment especially in the context of climate change

Participatory tools to understand vulnerability and strengthen adaptation in Boe Boe, Choiseul Province (Lauru) Solomon Islands



- Participatory video
- Interviews/household surveys
- Shoreline walks
- **Participatory 3D Modelling**

Living Landscapes: Participatory 3 Dimensional Modeling

Combines local spatial knowledge, mind maps and scientific GIS

Turns flat contour map into physical hands-on relief model that everyone can connect with

Forum for discussion on current and potential impacts



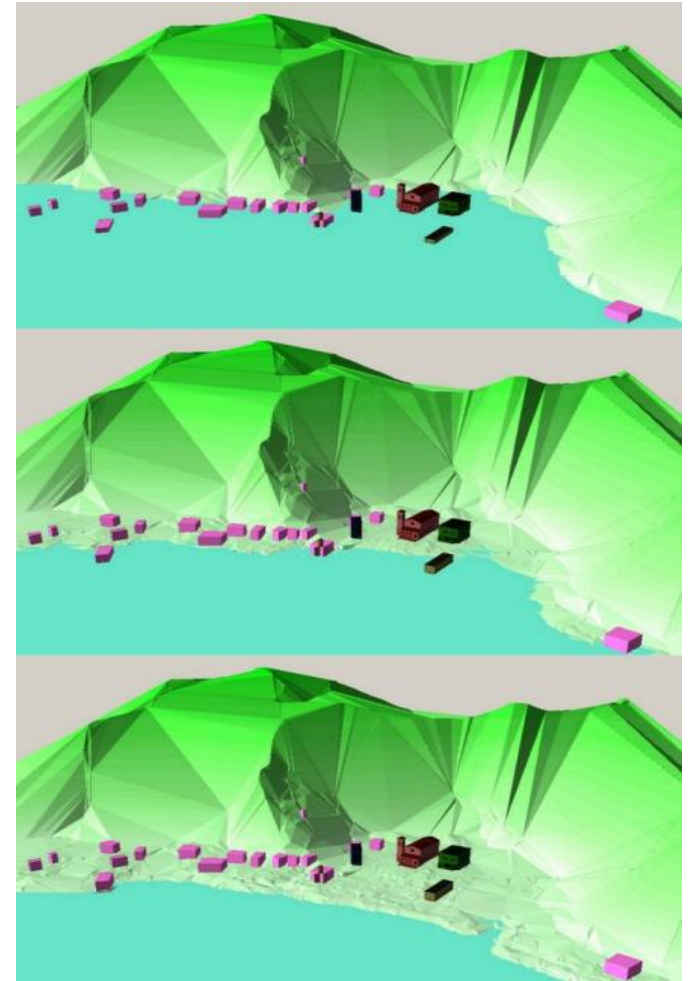
Digital Elevation Model (DEM)

Simultaneously, experts in GIS worked together to:

- Ground truth key features
- Apply fine detail contours, landscape features
- Develop digital animation of the village, showing extent of 2007 Tsunami.
- Display possible levels of inundation



Linking science and community knowledge



Strengths/lessons

- Led by community leaders
- Owned by the community
- Enables all members of the community to be involved in land use planning
- Helps visualize abstract concepts
- Puts Climate change in context of other issues
- Share across communities/regions
- Links science, local knowledge



Next steps

Solomon Islands

- Cultural Heritage mapping (Arnavons)
- Participatory video (Choiseul)
- More 3D mapping

PNG/Marshall Islands

Provincial level vulnerability/economic assessments using the tools

Disseminating lessons/policy influence

Across the region: integrating the results into local, provincial and regional scale policy and planning



Thank you to our partners and especially the community of Boe Boe, Choiseul



Australian Government
AusAID



Manus Province



Choiseul Province



Protecting nature. Preserving life.™



International
Institute for
Environment and
Development



WWF
for a living planet™

CELCoR



Leading Issues for a Healthy Oceans



Mama Graun
Conservation
Trust Fund



University of Wollongong



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

This work is part of a wider initiative: ***Building Resilience of Communities & their Ecosystems to Impacts of Climate Change in the Pacific***

Climate Change Adaptation Partnership funded by Australian Government/AusAID, through
TNC and implemented by partners and communities in
Solomon Islands, PNG and Marshall Islands

Project Coordinator: Ms Robyn James

rjames@tnc.org

Team Leader: James Hardcastle

jhardcastle@tnc.org

Or visit our learning site for all the materials including video links to P3D Modelling:

<http://community.eldis.org/.59deef0e/>



for a living planet

CELCOR



Mama Graun
Conservation
Trust Fund

