

Implementation of adaptation actions and tools for decision making to enhance development plans



Strengthening Adaptive Capacity in Choiseul, Solomon Islands

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The Nature Conservancy

Community Based Adaptation: The case of Choiseul



Choiseul : large island administered by provincial authority

- customary land ownership

- traditional institutions vital in governance of natural and cultural resources

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

2011: LLCTC with TNC and partners undertook participatory activities
in Boe Boe Community help implement commitment in context of
climate change

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



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

Living Landscapes: Participatory 3 Dimensional Modeling

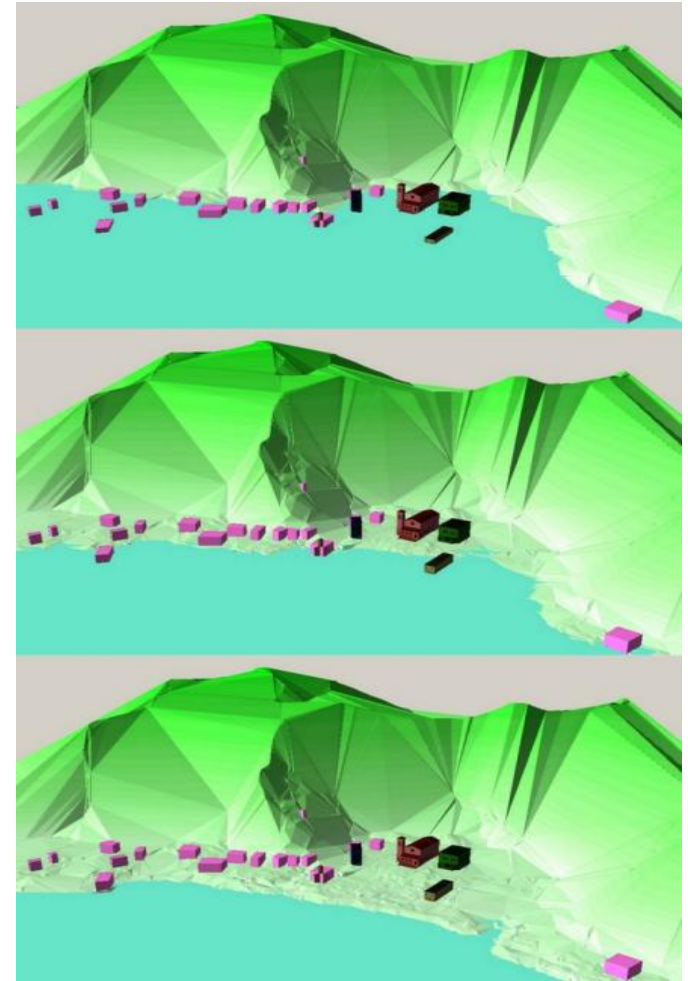
Combines local spatial knowledge, mind maps and scientific GIS

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

Forum for discussion on current and potential impacts



Linking science and community knowledge



Digital Elevation Model (DEM)

Simultaneously, experts in GIS worked together to:

Ground truth key features

Display possible levels of inundation

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.



WWF
for a living planet

CELCoR



Mama Graun
Conservation
Trust Fund



University of Wollongong



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

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

