Strengthening Adaptive Capacity in Choiseul, Solomon Islands

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

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

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