

Honiara Urban Resilience & Climate Adaptation Plan

UN HABITAT
FOR A BETTER URBAN FUTURE

SPREP Honiara PEBACC
Professor Darryn McEvoy

Source: Trundle 2014



Asia & Oceania

Sector-Specific

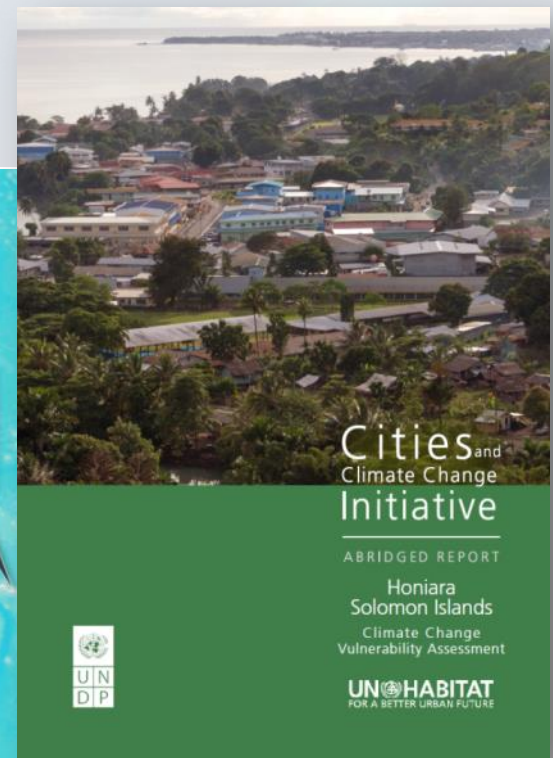
Urban Governance

The image displays a map of Asia and Oceania with several blue diamond markers indicating project locations. The map is overlaid with three main content areas:

- Sector-Specific:** Includes a screenshot of the 'Climate Smart Seaports' website and a report cover titled 'Understanding future risks to ports in Australia: Report saves: Enhancing the resilience of seaports to a changing climate' by Daryn McEvoy, Jane Muller, Sophie Millin, Helen Scott, and Alessa Trundis.
- Urban Governance:** Includes a screenshot of the 'Climate Change Adaptation Navigator' and a report cover titled 'Urban Heat Reduction Through Green Infrastructure: Policy Guidance' for State Government.
- Asia & Oceania:** Includes a screenshot of an APN report titled 'Assessment of Climate Change Risks and Adaptation Options for Secondary Cities in Southwestern Bangladesh and Central Vietnam' and a report cover titled 'Climate Change Risk Assessment Toolkit for Secondary Cities in Bangladesh and Vietnam'.

Sector-specific & Urban Climate Adaptation in the Asia-Pacific Region

- Developing **Climate Change Strategies** for cities across the Asia-Pacific & globally
- Applying a consistent structured assessment methodology
- Aim: 50 cities by 2015

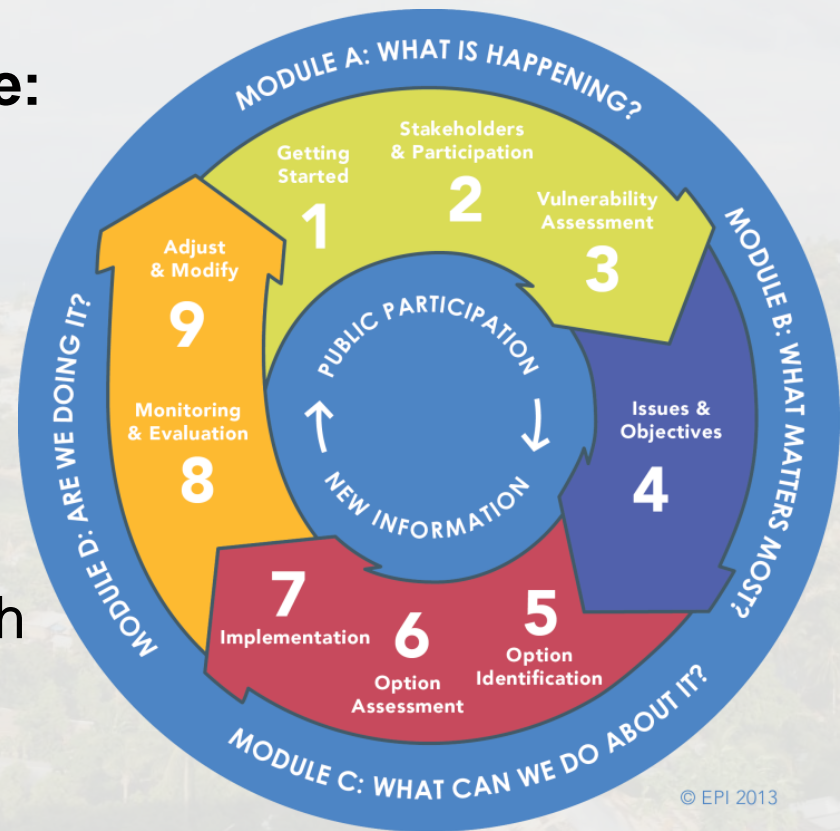


UN Habitat Planning Structure:

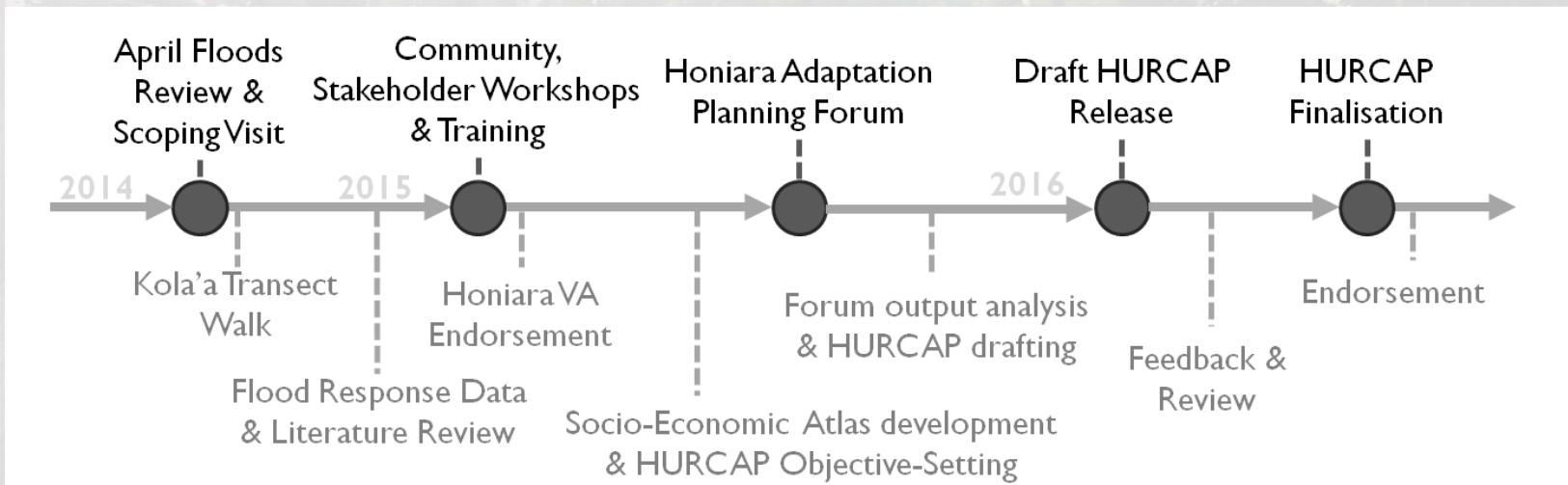
- Module A completed in 2014
- Module B currently underway
- Modules C, D ultimately need ownership/buy-in
- Focus on 'bottom-up' integration with wide engagement & action research

Our Role:

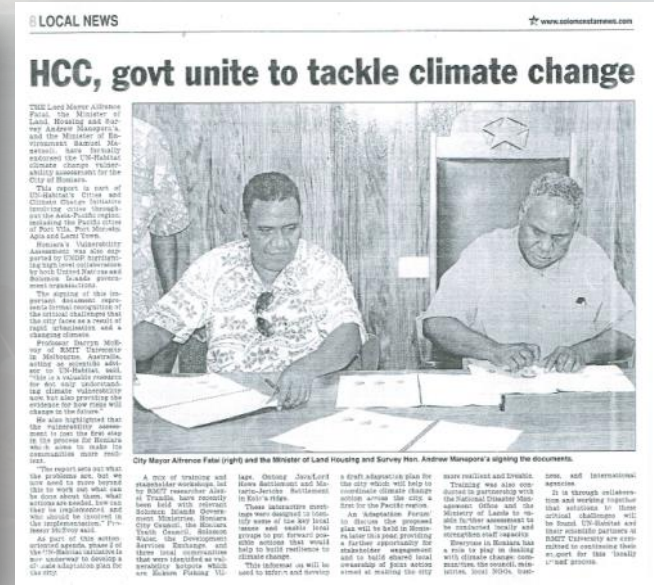
- Facilitating the process
- Providing technical expertise, input & communication skills
- Training for local independent ownership of Module D



Phase 2 Engagement Process



- VAA Report formally endorsed by MECCDM, MLHS and Honiara City Council in May 2015 as part of ongoing support of the UN-Habitat programme
- SIG & HCC ownerships is critical as *Planning for Climate Change* moves into Phases 3 & 4 – implementation, M&E



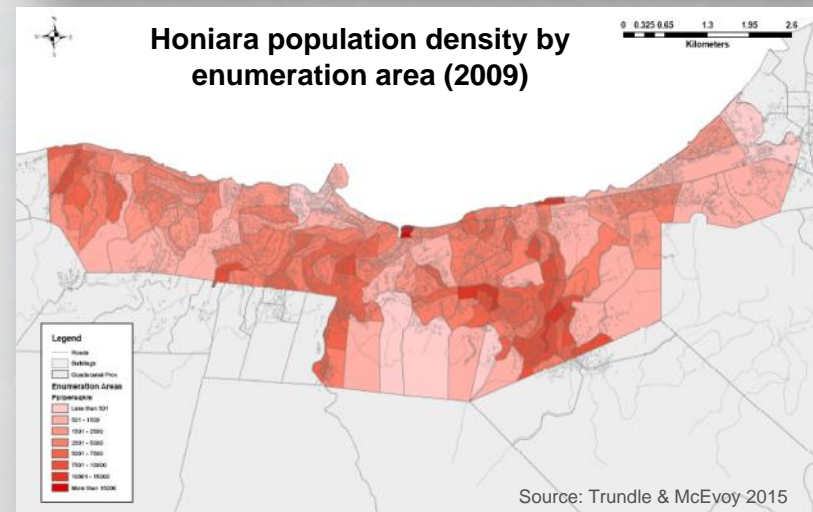
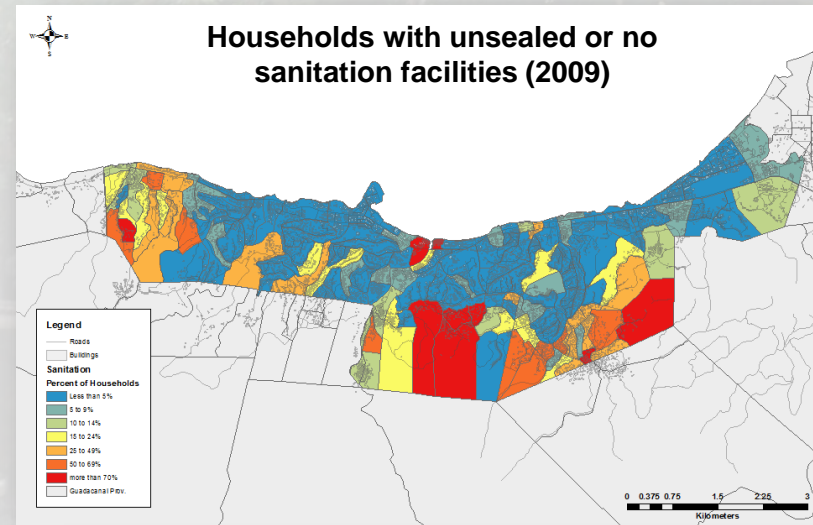
- **Urban Growth & Infrastructure**
 - Sanitation, overcrowding, speed of population growth
 - Rubbish disposal/management, land use planning
 - Quality/maintenance of urban infrastructure & assets
- **Hazard Specific**
 - Localised flooding, water security/quality, human health
 - Sea level rise, coastal erosion, landslides, cyclones
- **Community Awareness**
 - Lack of climate change understanding/awareness
 - Inconsistent/inadequate community consultation generally
 - Lack of social ownership of the city
- **Other issues**
 - Underemployment, environmental & social damage

City-wide figures

- 32% of the population below the Basic Needs Poverty Line
- 75% covered by piped water
- 54% have private flush toilets
- 64% have access to electricity
- 36% w/ govt. waste disposal

Localised sensitivity hotspots

- Urban fringe & informal areas
- Critical areas:
 - Literacy/education
 - Income distribution
 - Building materials
 - Fishing/gardening



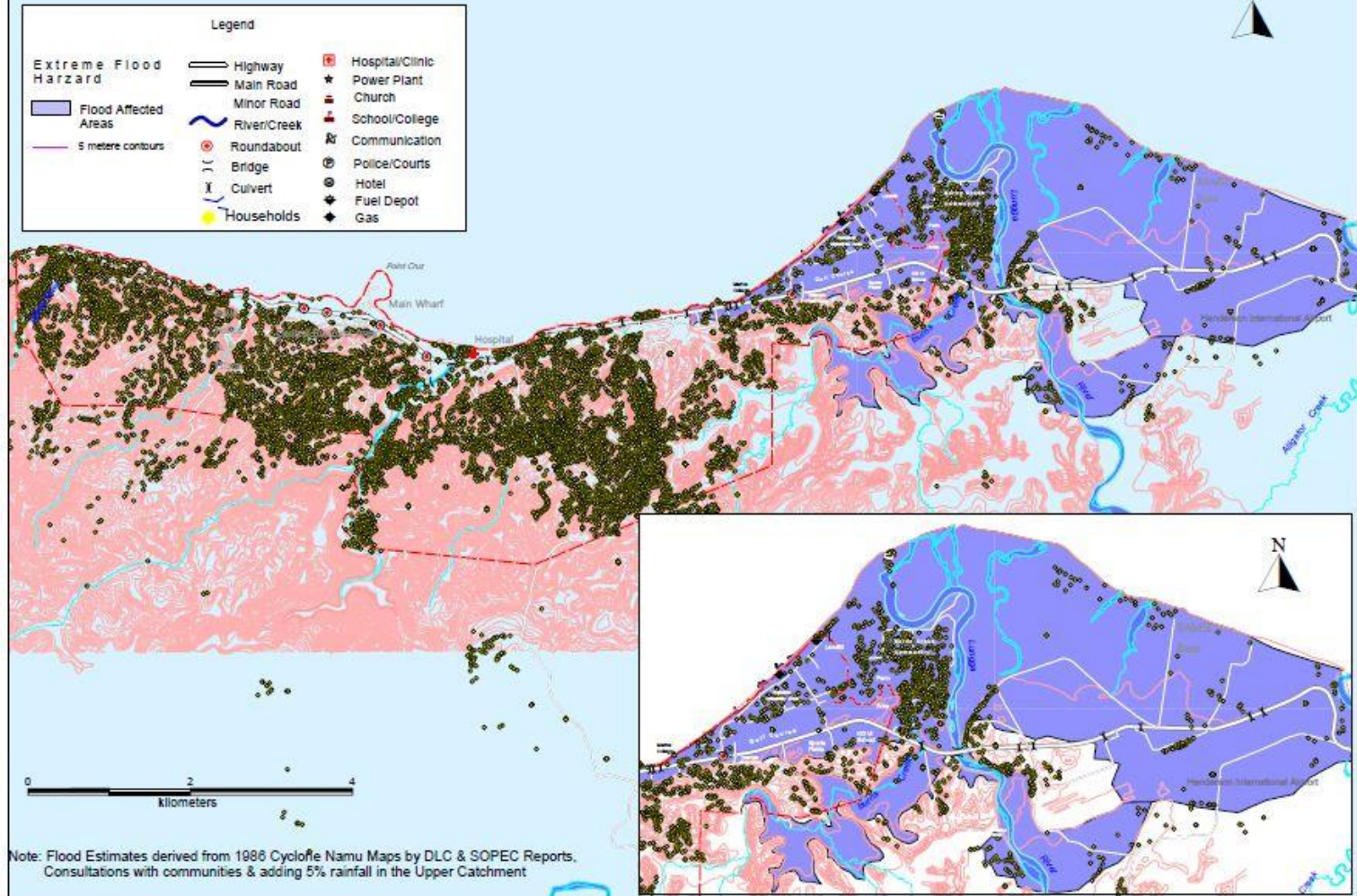
- Currently make up 35% of the total population of Honiara
- Lack basic services resulting in pollution, health risks, vulnerable structures and low adaptive capacity
- Often in highly exposed area (flood plains, steep slopes etc.)



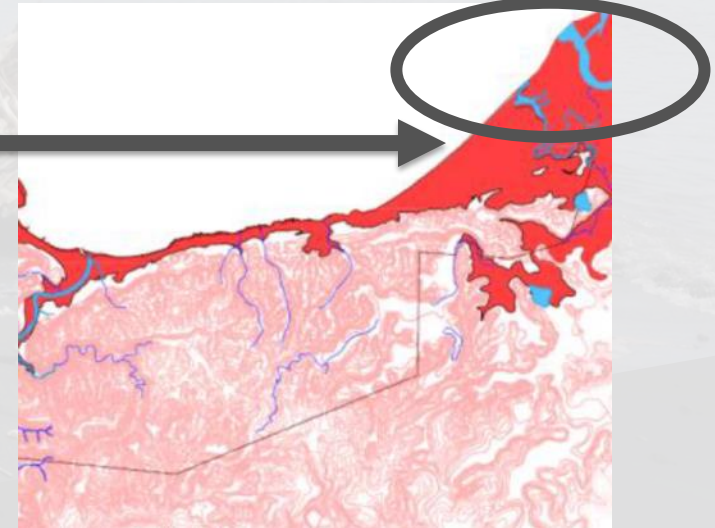
Source: Trundle 2014

Exposure – more than recent events

ESTIMATED 1986 (CYCLONE NAMU) FLOOD

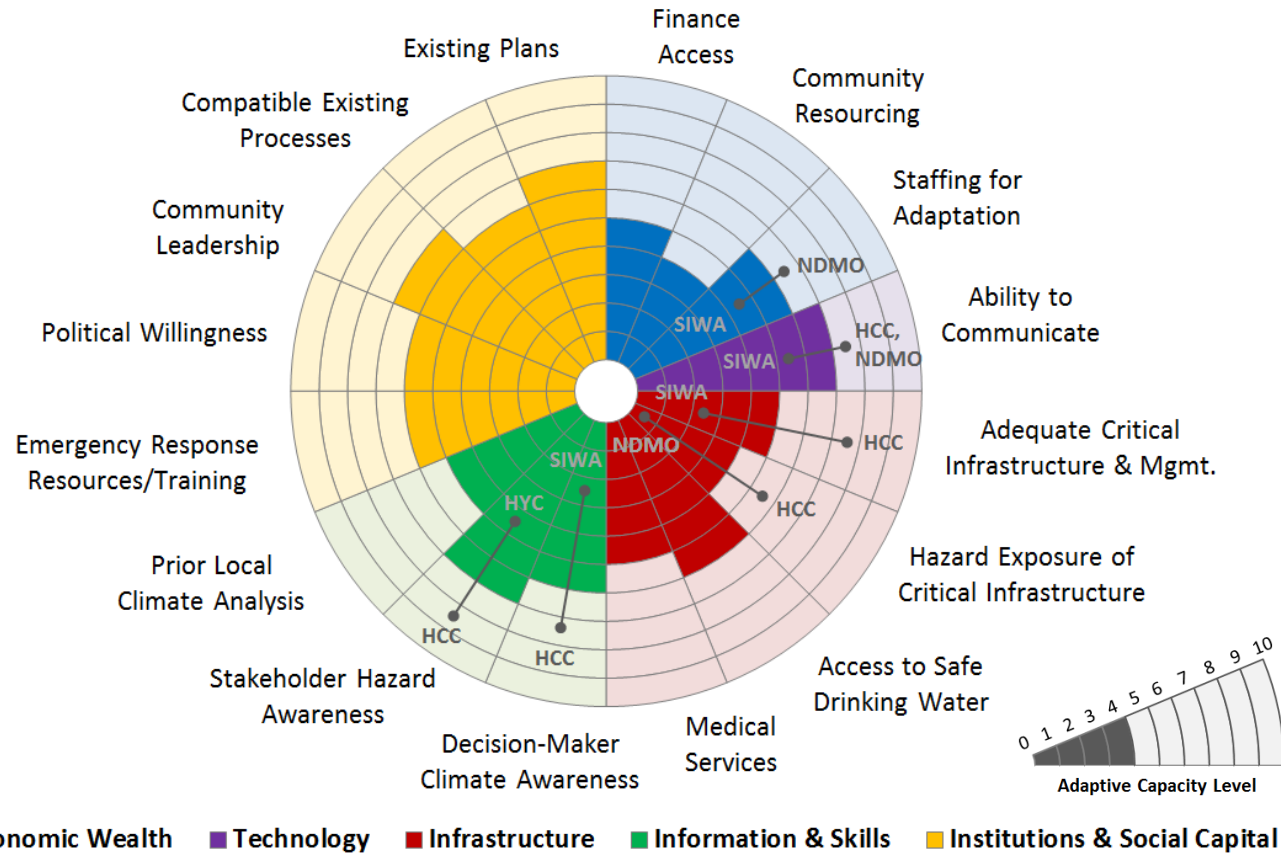


- **Primary road network & bridges:** main highway runs along coastline, bridges susceptible to flood damage
- **Seaport:** wharves historically at risk from tropical cyclones, rough seas
- **Sanitation:** gravity-based network w/ coastal outfalls & septic tanks – ground & coastal water risk
- **Electricity:** highly dependent on imported diesel

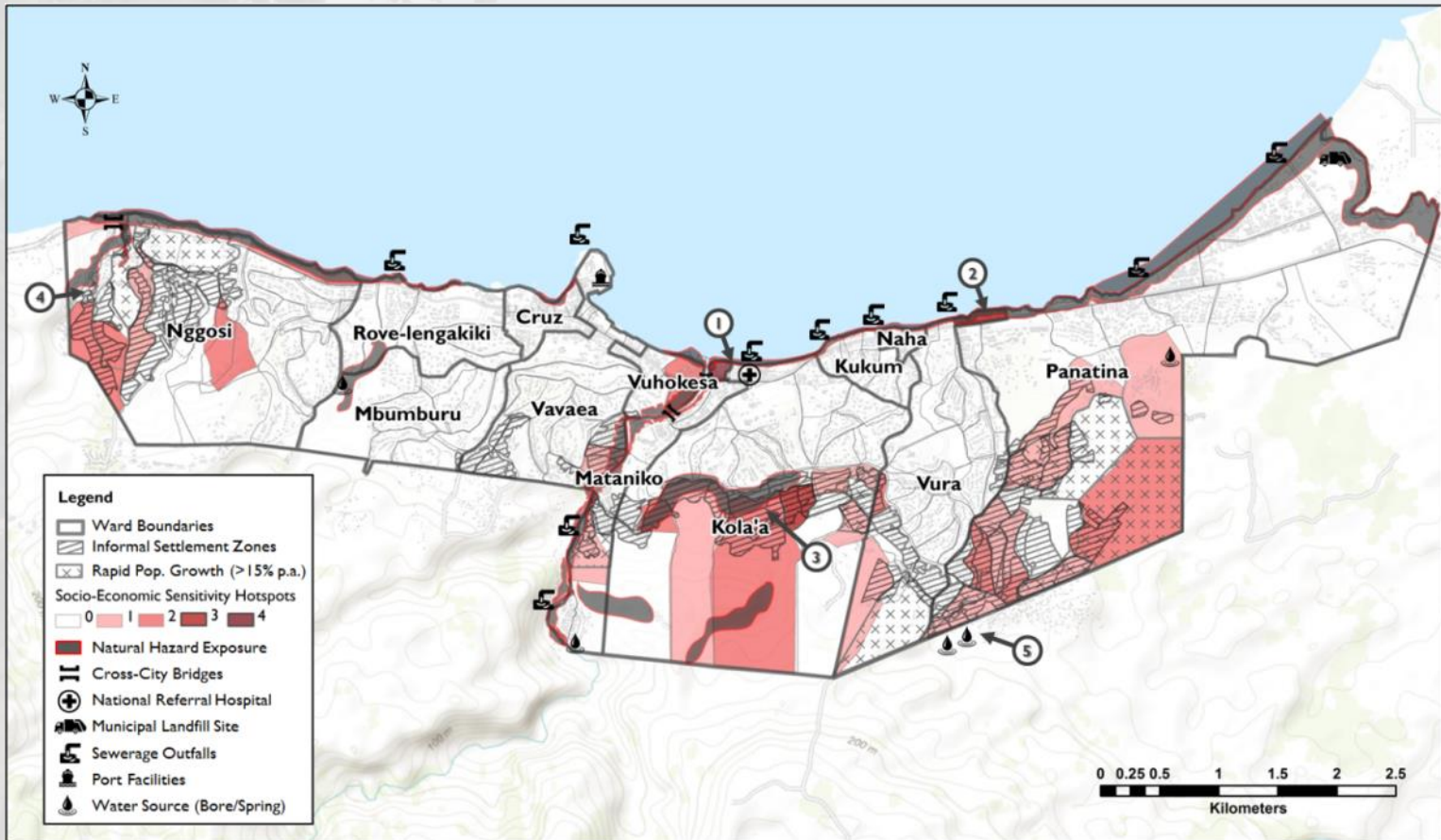


Source: UN Habitat 2014

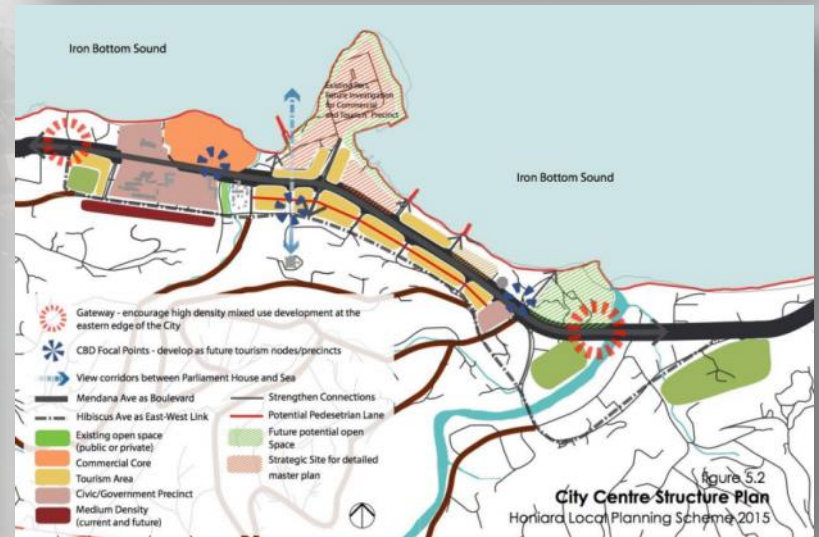
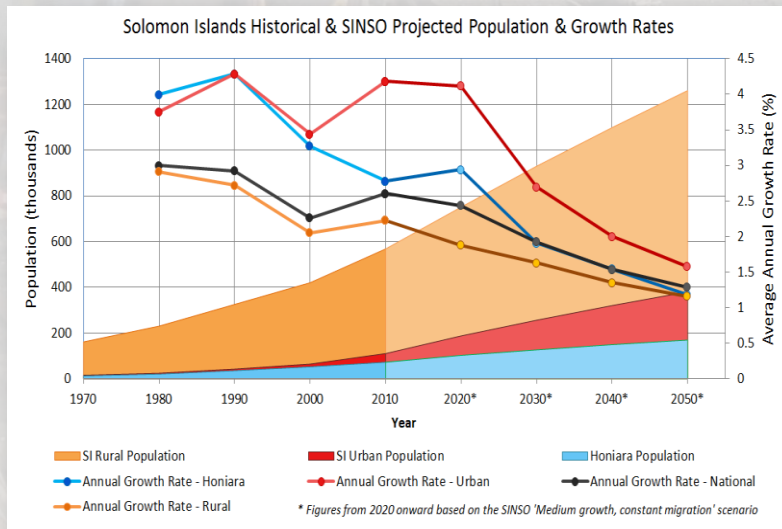
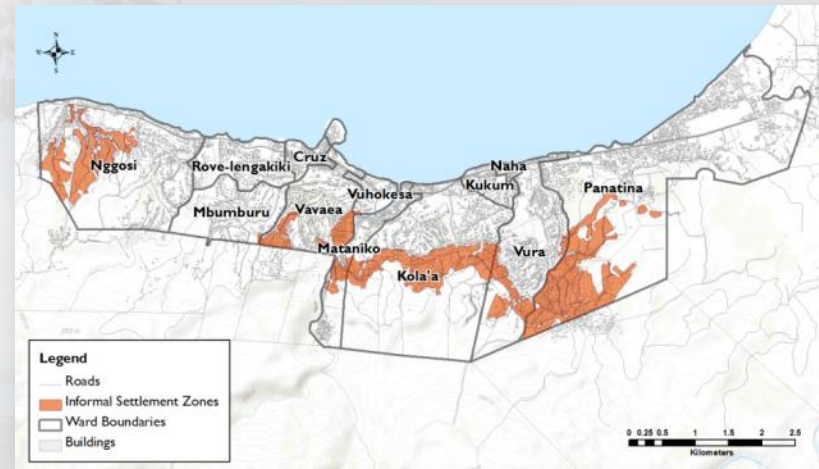
Honiara Adaptive Capacity - Rapid Assessment



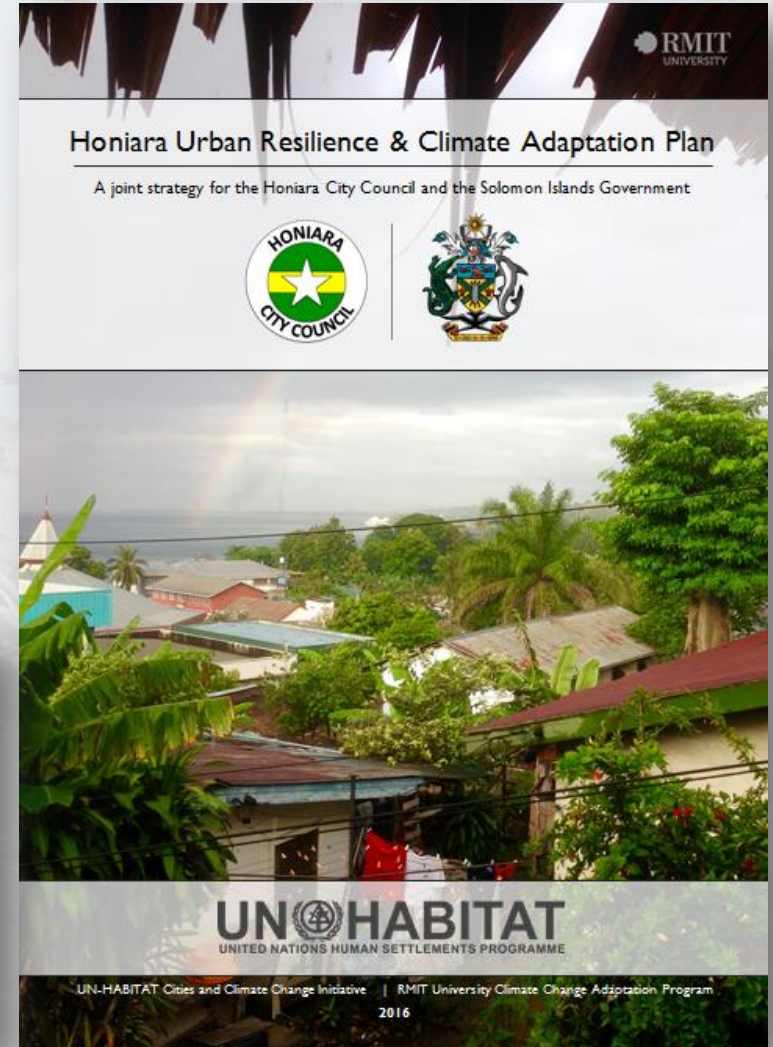
- Most vulnerable areas correlate with the overlap of **high exposure, sensitivity & low adaptive capacity**



- Land Tenure Formalisation
- Shifting Infrastructure
- CBD re-development
- Population growth forecast vs. key disrupting factors



- Draft to be circulated for feedback in March
- Finalisation/endorsement in April
- Government, community buy-in and cross-project partnerships critical





Tanggio tumas!