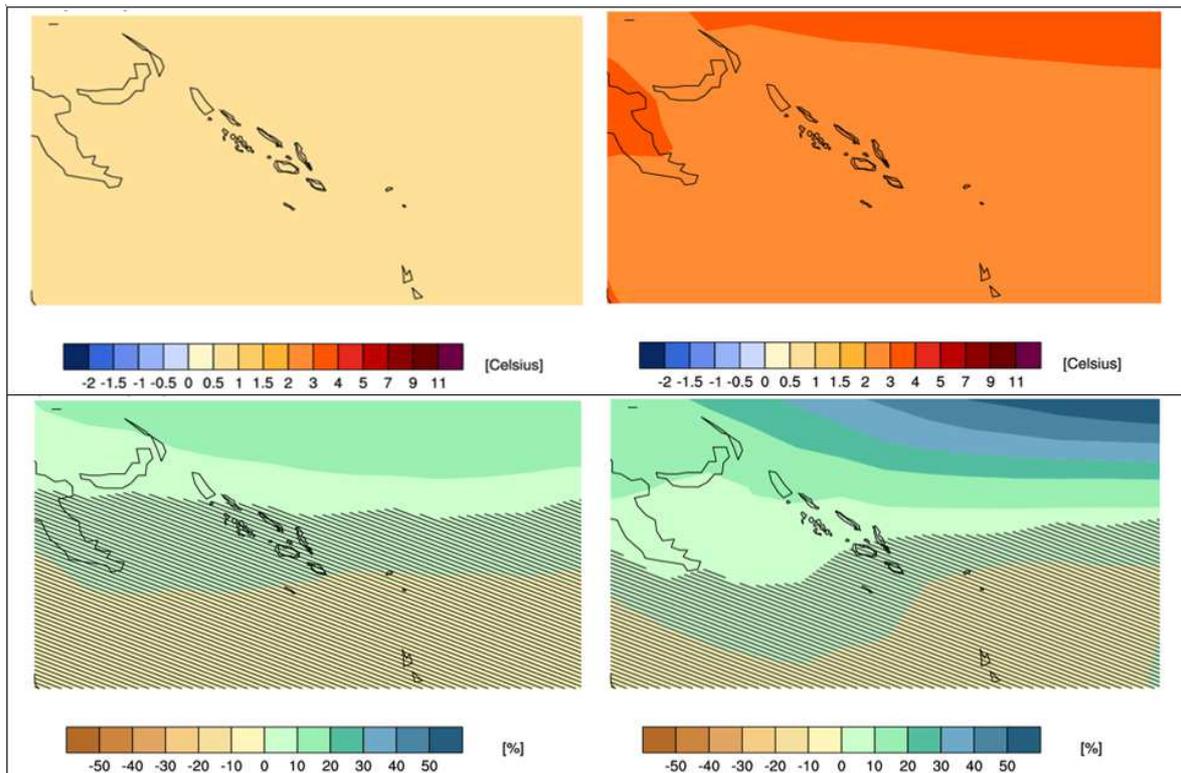


Solomon Islands Water Sector Adaptation Project (SIWSAP) – Climate Assessment



Client: United Nations Development Programme & Solomon Islands Government
Location: Solomon Islands
Duration: 2015-2016
Services: Climate change assessment, climate hazard risk, vulnerability assessment

SIWSAP is a multi-year, multi-agency project designed to improve the resilience of water resources to the impacts of climate change in order to improve health, sanitation and quality of life, and sustain livelihoods in targeted areas in the Solomon Islands. The project will focus on issues of water supply and sanitation with four principal outcomes: 1. Policies and Plans; 2. Existing Climate Resilient Water Management; 3. Additional Climate Resilient Water Management; and 4. Governance and Knowledge Management. NIWA is involved in providing technical assistance and helping deliver on the first three of these outcomes.

NIWA’s involvement in Outcome 1 is through the provision of specific climate change advice to produce a Climate Change Vulnerability Assessment (CCVA) for the Solomon Islands. The CCVA will be used to inform new and existing Water Sector Climate Change Adaptation policies and plans, and will substantially guide the priorities and work plans in the other principal outcomes of the SIWSAP project.

NIWA provided specific input into the CCVA on past and future climate and sea level changes for the Solomon

Islands, based on up-to-date models used for the IPCC Fifth Assessment Report (AR5) and previous climate change assessments for the Solomon Islands, such as the country report produced by the Pacific-Australia Climate Change Science and Adaptation Project (PACCSAP). Based on these projections likely changes to hazards such as coastal inundation, saline intrusion, drought (leading to water shortages), flooding and high winds (particularly associated with Tropical Cyclones), and landslides and erosion was assessed.

NIWA also supported the climate hazard exposure and vulnerability assessment for each of the six pilot sites in the project, including the facilitation of a methodological workshop held in Honiara, in November 2015.

The CCVA provides the evidence-based information underpinning the SIWSAP project. Particular attention was paid to presenting scientific information in a visual way through the inclusion of simple graphics, drawings and pictographs so that the information can be used by multiple stakeholders.