

Three key climate change facts for coastal areas in Samoa

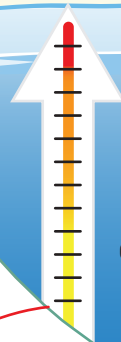
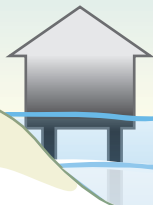
1

Sea Level Rise

The sea level is **gradually rising**. By the end of this century it could be 1 metre higher than today.

This will lead to flooding of fales during king tides or storm surges.

If the floors of your fales are getting flooded every 2nd or 3rd year, it's time to move them up the beach.



2100
↑ 1 metre of sea level rise
2016
Current Sea Level
(king tide or storm surge)

34°C
2100

30°C
2016
Current



2

Warming Sea Temperature

The sea surface temperature is **gradually warming**. By the end of this century it could be 2 or even 4°C higher than today.

This will lead to more coral bleaching and a higher risk of stronger tropical cyclones forming.

Have a 20-year plan to strengthen your buildings to withstand cyclone winds and rain.

3

Ocean Acidification

The ocean is **gradually becoming more acidic**. By the end of this century the pH could drop from above 8.1 to below 7.8.

This will lead to coral degradation and death. The food supply for reef fish species will also be impacted.

Support all national and international efforts to reduce global greenhouse gas emissions.

