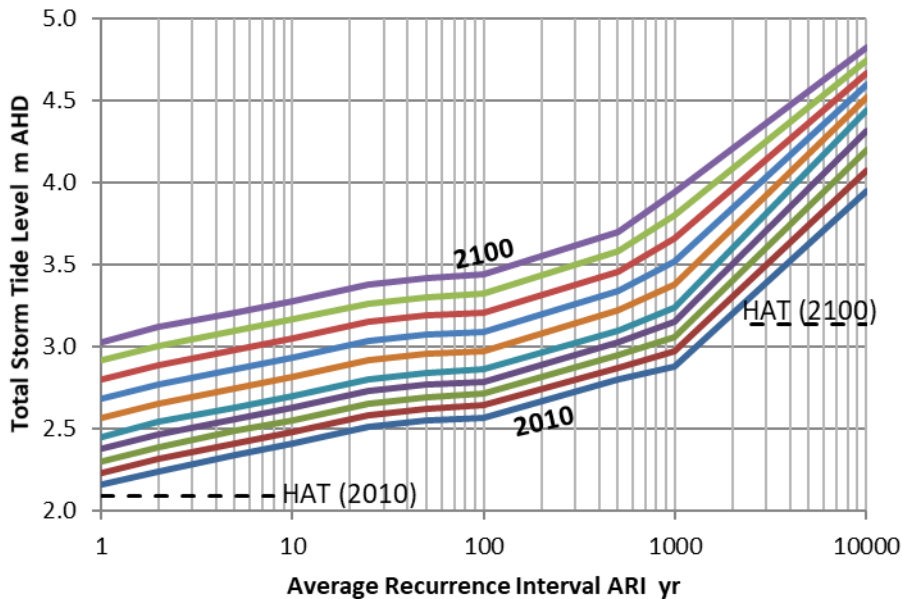




SEArapt – Risk Assessment Planning Tool



Projected increasing storm tide inundation hazard as a function of Average Recurrence Interval (ARI) combined with secular Sea Level Rise projections from 2010 to 2100.

SEArapt is a software tool that enables planners and other decision makers to be well informed as to the future community costs/benefits if exposed to coastal hazards such as storm tide together with gradual sea level rise, with or without adaptation planning.

SEArapt utilises various datasets, including:

- Coastal hazard (probabilistic storm tide levels, secular sea level rise etc)
- Asset exposures and vulnerabilities
- Estimated adaptation costs for various scenarios (status quo, retreat, protect etc)

and provides:

- Average annual damage
- Monte Carlo event modelling
- Optimal timing of adaptation solutions based on NPV analyses

SEArapt Example Outputs

