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Make better decision through web-based climate change spatial tool

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The ultimate aim of using spatial datasets and spatial data modelling is focused on enabling a sustainable environment by bringing the public policies into practice. The consequence will be sustainable spatially aware strategic planning for all levels of Australian government. GIS are the platform that can serve this aim provided that model, current process and spatial datasets are fit for purpose. To bring public policy into practice a broad range of knowledge from different disciplines is needed. Most decision making processes are pressured in terms of time, driving forces and also the process is beyond the knowledge of individuals in the various disciplines. There is a need for immediate uptake models and tools which are relevant to the target subject that will facilitate decision making process. This paper will focus on realizing the utility in spatial data handling in order to help climate change adaptation programs at local government level . Web-based mapping tools can assist planners prepare for the changing climate conditions in Bass Coast Shire Council. The GIS team has gathered data from various climate research organizations to understand projections of what different climate scenarios might look like over the next 100-year period. From this website demo it is hoped that the user will understand how the tool works, background information on different GIS platforms , access to interactive mapping , online geospatial analysis tools , videos , open source resource , sea level tools , modelling , 3D visualization and direct download access to various planning and natural resource data sets relating to environment management. We will provide some results from our elevation data analyses through these Web map visualization tools.