

FUTURES OF GREATER ADELAIDE 2050

An exploration of disaster risk and the future



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RISK IS A COMPLEX COMBINATION OF HAZARDS, EXPOSURE AND VULNERABILITY. TO CONSIDER THESE FACTORS AND THEIR DYNAMICS INTO THE FUTURE EXPLORATORY SCENARIOS, COMBINING PLAUSIBLE DEVELOPMENTS IN VARIOUS DRIVERS, WERE DEVELOPED AND MODELLED TO EXPLORE THE FUTURE OF DISASTER RISK IN GREATER ADELAIDE.

RESILIENCE & MITIGATION

By considering policy options available to decision makers the future was scoped with two axis: challenges to mitigation and challenges to resilience. The exploratory scenarios represent world views that are easier or harder in their capacity to build a resilient society or for government to design and implement mitigation policies and measures.

Participatory Process

Stakeholders were asked to consider the factors that were relevant to building resilience and designing/implementing mitigation responses. These factors are shown summarized on the right.

These factors were then used to develop timelines from 2013 to 2050 as to how the region would develop based on challenging these factors. The qualitative timelines were then fully detailed, and subsequently modelled using the decision support system for natural hazard mitigation planning.



Challenges to resilience



Challenges to mitigation

THE SCENARIOS

The scenarios developed represent plausible developments for Greater Adelaide highlighting both challenges and opportunities for the region as it deals with future disaster risk. The integrated manner of these scenarios, considering various drivers for change in the region, allows for a more comprehensive consideration of risk.

The scenarios show both favourable and non-favourable narratives that can then be used to consider future initiatives and interventions. For each of the narratives, responses can be considered as to how to navigate the challenges and opportunities presented in them. The narratives can also be used to test strategic options, considering under which future conditions these options are nullified or magnified.

For more details, including modelled socio-economic results, please see the report, *Visions: Greater Adelaide 2050*. Another report will follow in this series presenting the associated risk profiles for each of future scenarios. For each scenario risk from hydro-meteorological, bushfire and earthquake hazards will be presented along with details regarding the drivers for these changes allowing policy makers more dynamic form of risk assessments.

