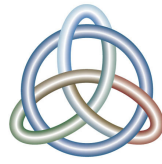


# Planning for Climate Change

## Risk Assessment Consulting Services



**EARTH SYSTEMS**  
Environment | Water | Sustainability

### SERVICES PROVIDED

For public and private sector organisations alike, climate change will affect a range of assets and amenities, and impact across all organisational responsibilities. By anticipating potential climate issues and planning accordingly, businesses and governments can actively reduce their vulnerability to climate change.

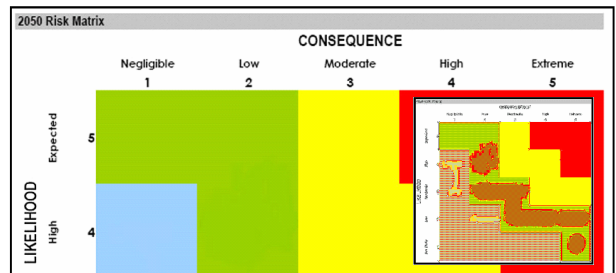
Risk assessment provides a framework for systematically identifying and evaluating the potential impacts of climate change.

Earth Systems has the necessary expertise to help organisations assess the risks posed by climate change and provide them with practical actions and tools with which to respond to these risks. As part of the risk assessment process, Earth Systems can:

- Use the best and latest data and reports to determine likely climate change scenarios for a particular geographic region (e.g. Local Government Municipality).
- Identify areas of concern, such as the natural and built environment, infrastructure, water management etc.

- Develop a risk assessment framework with which to undertake a comprehensive review of the possible climate scenario likelihoods and consequences on assets and amenities.
- Undertake spatial and temporal modeling and analysis to map and visualise climate change risks.
- Identify vulnerabilities and prioritise activities to respond to climate change concerns.
- Propose abatement activities which seek to reduce climate change or the rate of change.

*Climate Change - Likelihood and Consequence*

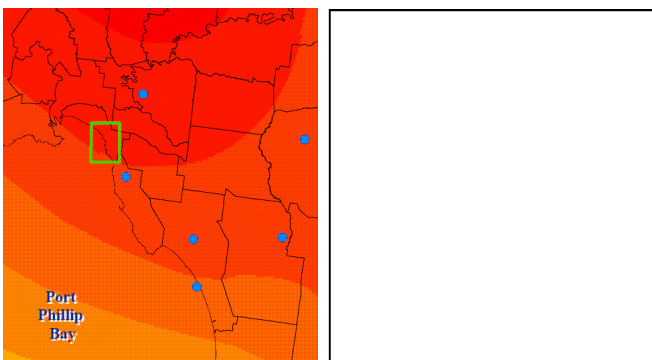


*Risk Matrix*

### OTHER EXPERIENCE

In addition to climate change risk assessment, Earth Systems has in-house expertise and project experience in the areas of carbon accounting, emissions trading, and general environmental and natural resource management, including:

- Life-cycle analysis, water and energy efficiency strategies and carbon accounting.
- Expertise to help companies meet their future emission targets or Corporate Social Responsibility (CSR) requirements.
- Expertise on United Nations Framework Convention on Climate Change (UNFCCC) requirements and on Kyoto mechanisms, modalities and procedures.
- Development of materials to raise awareness of climate change.



*GIS outputs for Climate Change impact visualisation. Temperature projections (left) and storm surge inundation (right).*

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