

# Role Description

(Non-Manager)



**Our purpose – Helping South Australians Conserve, Sustain and Prosper.**

**Role Title:** Climate Data Analyst – Coastal Hazards

**Division:** Biodiversity and Nature Economy

**Classification Level:** PO2

**Branch/Unit:** Biodiversity Science, Coasts and Information

**CHRIS Position Number:** P68662

**Reports to (Title):** Principal Advisor, Climate Science

**About the Agency –** [Department for Environment and Water](#)

## About the Role

The Climate Data Analyst – Coastal Hazards supports the Department for Environment and Water (DEW) to integrate downscaled climate projections with coastal monitoring information to deliver data driven insights that assist key department initiatives. The role will use existing tools and applications to obtain, assess and ensure data quality, develop integrated data layers and analyses for use across government analysis and interpret model outputs to support management decisions.

## Key Role Outcomes

- Organisational and project objectives for adaptation and hazard planning are achieved through collaboration and delivery of project requirements, including data sourcing, management and analysis.
- Sound and timely advice and information is provided to the Coasts team, internal and external stakeholders
- Coastal planning and management objectives are met through provision of targeted climate projection data and advice.
- Stakeholders are engaged and partnerships are maintained across Government.
- Team and DEW objectives are met by the application of professional work practices.

## Essential Criteria (including qualifications)

**[Must be addressed by candidates in written application letter (max 3 pages) in addition to CV unless advertisement advises otherwise]**

- A Degree in natural science, computer science, GIS, or engineering disciplines that include climate change or coastal processes is essential.
- Demonstrated high level of knowledge and experience in the use of GIS software with emphasis on Arc GIS Pro.
- Significant experience in coding language (eg Python preferred, R, Julia) for handling spatial data and spatial analysis.
- Experience in data analysis, synthesis and report writing to make recommendations to support informed decision making.
- Strong communication skills including conveying complex information and professional advice in a way that the reader/ audience will easily understand.

- Demonstrated ability to build effective working relationships and collaborate with internal teams and external stakeholders to develop effective solutions.

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## Desirable Criteria

- Conducting data analysis and interpreting datasets to support environmental monitoring and reporting.
- Applying established statistical and analytical techniques to climate and environmental datasets.
- Preparing reports, dashboards, and visualisations, formatting and serving data on public databases or websites to support operational and program activities.
- Maintaining and managing datasets to ensure quality, accuracy, and accessibility.
- Supporting senior analysts in complex modelling, research, and policy projects.
- Experience in analysis of remote sensing data.
- Experience in AI modelling, encompassing deep learning, large language models, and complementary analytical tools for visual, spatial, or point-based data.

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## Key Relationships/Interactions

- Project management and oversight is provided by the Senior Climate Data Analyst – Coastal Hazards and a close working relationship with the Principal Advisor Climate Data Analyst.
- Establishes and maintains close working relationships with technical staff in the Climate Science Unit and Coasts Unit as well as data management and modelling staff within DEW.
- Works collaboratively with staff from other relevant federal and state government agencies, local government, and research institutions.

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## Special Conditions

- May be required to participate in responses to state emergencies or associated duties.
- You must be an Australian citizen, permanent resident, or provide evidence that you hold a valid working visa that allows you to work in Australia without restrictions.
- Prior to being employed, the successful candidate will be required to provide a valid Nationally Coordinated Criminal History Check (NCCHC), which is required to be renewed every three years. DEW will cover the cost of renewal.
- May be required to undertake intra or interstate travel, occasional overnight absences, and work outside of the normal hours of work.

Core Competencies	Elements	Behavioural Indicators
<b>Shapes Strategic Thinking and changes</b>	<ul style="list-style-type: none"> <li>• Thinking and Acting Strategically</li> </ul>	<ul style="list-style-type: none"> <li>• Raises potential options for consideration arising from research analysis.</li> </ul>
<b>Achieves Results</b>	<ul style="list-style-type: none"> <li>• Delivering Effective Outcomes</li> <li>• Assuming Accountability</li> </ul>	<ul style="list-style-type: none"> <li>• Works with key stakeholders to problem solve, overcome challenges and facilitate the achievement of outcomes.</li> <li>• Establishes own credibility by demonstrating personal competence and technical expertise.</li> </ul>

		<ul style="list-style-type: none"> <li>Shows initiative in moving projects forward and dealing with potential problems.</li> </ul>
<b>Drives Business Excellence</b>	<ul style="list-style-type: none"> <li>Optimising Performance</li> <li>Facilitating Quality and Continuous Improvement</li> </ul>	<ul style="list-style-type: none"> <li>Works collaboratively with team members to achieve team and individual goals.</li> <li>Keeps abreast of developments within the directorate/Agency.</li> <li>Acts as a role model by striving to deliver quality outcomes even when under pressure.</li> </ul>
<b>Forges Relationships and Engages Others</b>	<ul style="list-style-type: none"> <li>Establishing and Maintaining Networks</li> <li>Communicating and managing conflict</li> </ul>	<ul style="list-style-type: none"> <li>Works well with others and is effective in collaborating with colleagues across government.</li> <li>Presents technical information so it can be clearly understood by the audience and does not use jargon.</li> </ul>
<b>Exemplifies Personal Drive and Professionalism</b>	<ul style="list-style-type: none"> <li>Demonstrating Commitment to Learning and Development</li> </ul>	<ul style="list-style-type: none"> <li>Keeps abreast of relevant developments within their own field of expertise.</li> </ul>

## Work Health and Safety

### Contribute to workplace safety

- Accepts responsibility for own and others safety.
- Actively participates in consultation about work, health and safety issues.
- Identifies and reports hazards and identifies risk controls where appropriate.

## Corporate Responsibilities

- Demonstrate appropriate and professional workplace behaviours that are in line with the [Code of Ethics](#) and the [South Australian Public Sector Values](#).
- Maintain a commitment to Equal Employment Opportunity, Diversity, Ethical Conduct, and record keeping within legislative requirements, according to the principles of the *Public Sector Act 2009*.
- Exhibit and promote the behaviours in line with *The way we work* outlined in the [DEW Corporate Plan](#).
- Actively participate in the Department's Performance Review and Development Program.
- Demonstrate appropriate and professional workplace behaviours that align closely with the White Ribbon message.
- Champion positive behaviours and conduct during all interactions with children and young people always adhering to the Child Safe Environment Policy and Procedure & Guideline.

Date Delegate approved original classification:	1/5/2026	Original Class method:	Comparison
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