





CoastAdapt-Beta

A tool to help Australian decision makers understand climate change and sea level rise risks, and plan for adaptation

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Demand driven development

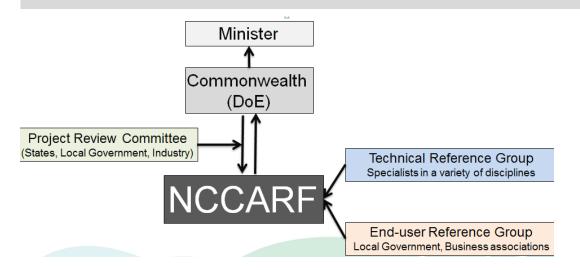
Understanding user needs through consultation

- 700 stakeholders around Australia (all states and territories)
 - 400 face to face
 - 300 online survey



- Broad ranging
 - Government (Local, State, Commonwealth)
 - Business and Industry
 - NRM
 - Community groups
 - Academics

Authoritative



64 authors41 technical reviewersEnd-user review of every document

(Tool Development Partners Tool Implementation Partners)

All content peer reviewed

Most scientists regarded the new streamlined peer-review process as 'quite an improvement.'



Learn about climate change



Assess risks and impacts



Understand adaptation



Undertake adaptation



Connect with the adaptation community



Sea-level rise and you

Select your local area to view future sea-level rise information



Shoreline Explorer

Use an interactive map to discover more about your current coastline



Coastal Climate Adaptation Decision Support



CoastExchange

Get your questions answered in CoastAdapt's online discussion forum



Infographics

A picture says a thousand words



Case studies

Learning by sharing: case studies of adaptation in Australia and beyond



Information manuals

Ten in-depth studies of key adaptation topics of concern to coastal managers



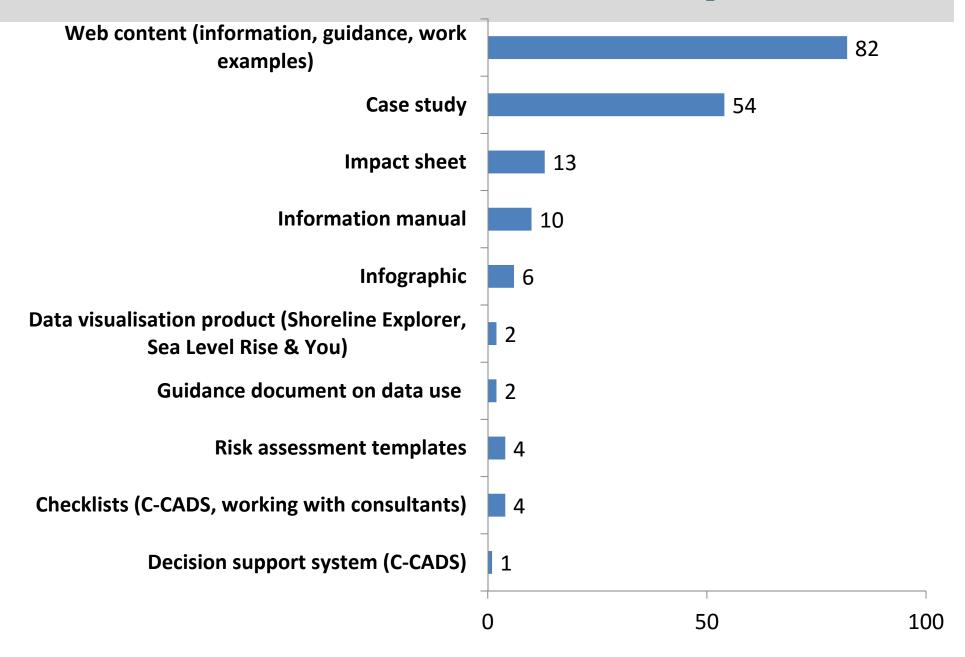
Impact sheets

Thirteen sector-wise studies of climate change impacts in coastal Australia



Browse the resource centre

What's in CoastAdapt?



What's in CoastAdapt?











Two data and visualization products









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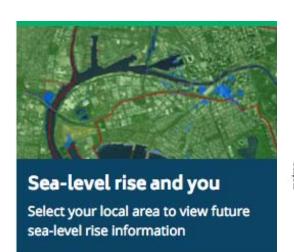


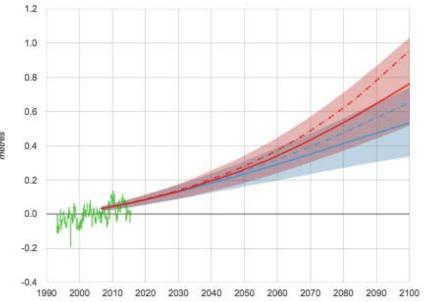
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Browse the resource centre





Sea-level rise

(relative to an average calculated between 1986 and 2005)

Date (unit)	RCP2.6	RCP4.5	RCP6.0	RCP8.5
2030 (m)	0.13 (0.09-0.17)	0.13 (0.09-0.18)	0.13 (0.08-0.17)	0.14 (0.09-0.18)
2050 (m)	0.22 (0.15-0.30)	0.24 (0.16-0.32)	0.23 (0.15-0.30)	0.27 (0.19-0.35)
2070 (m)	0.31 (0.20-0.43)	0.35 (0.24-0.48)	0.35 (0.23-0.46)	0.44 (0.31-0.58)
2090 (m)	0.40 (0.24-0.56)	0.48 (0.31-0.66)	0.49 (0.32-0.66)	0.65 (0.45-0.88)
Rate of change at 2100 (mm/yr)	4.3 (1.6-6.8)	6.0 (3.2-8.8)	7.5 (4.6-10.6)	11.5 (7.4-16.3)

Allowances

(relative to an average calculated between 1986 and 2005)

RCP2.6	RCP4.5	RCP6.0	RCP8.5
0.14	0.14	0.13	0.14
0.24	0.26	0.24	0.29
0.35	0.40	0.39	0.49
0.48	0.57	0.58	0.79
	0.14 0.24 0.35	0.14 0.14 0.24 0.26 0.35 0.40	0.14 0.14 0.13 0.24 0.26 0.24 0.35 0.40 0.39



Cairns

RCP8.5 scenario

RCP6.0 scenario RCP4.5 scenario

RCP2.6 scenario Satellite data

Solid lines show median sea-level

Dashed lines show allowances for

Shaded areas show the *likely* range for each scenario (5 to 95% confidence limits)

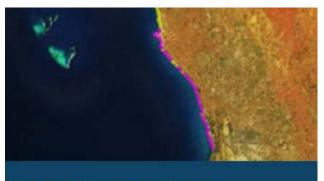
View guidance information

rise relative to an average from

1986 to 2005

each scenario



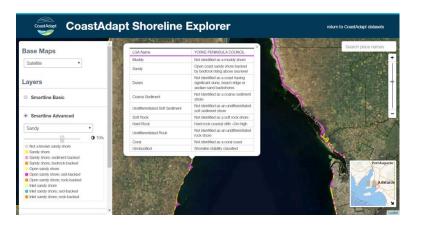


Shoreline Explorer

Use an interactive map to discover more about your current coastline

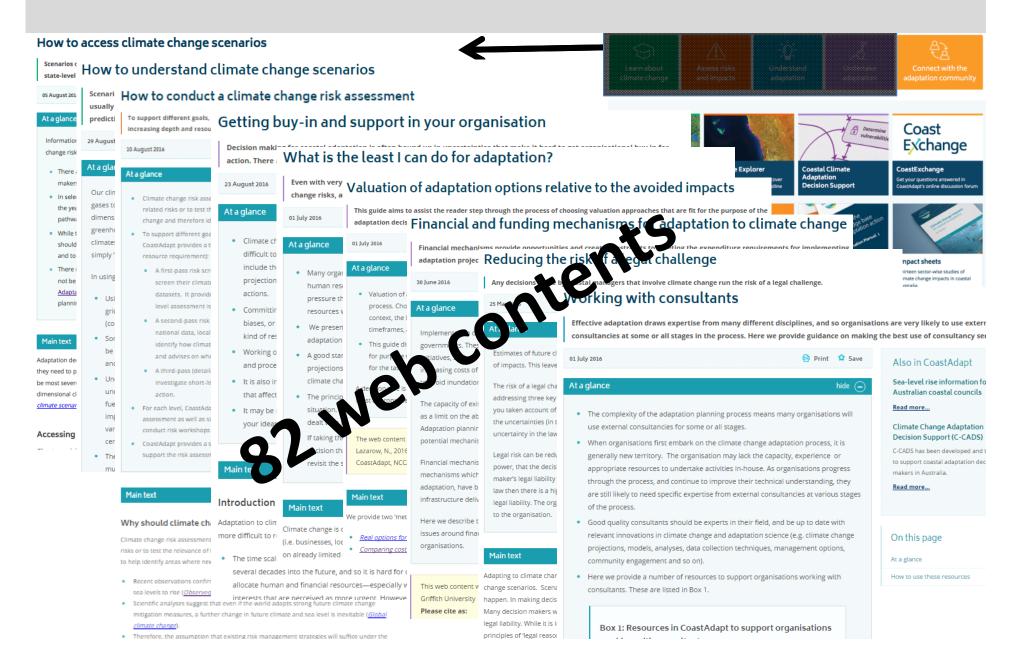
- Sediment compartments
- Smartline a visualisation tool that identifies coastal areas susceptible to erosion
- Water observations from space: historical surface water observations allowing users to distinguish between permanent water bodies and areas prone to flooding



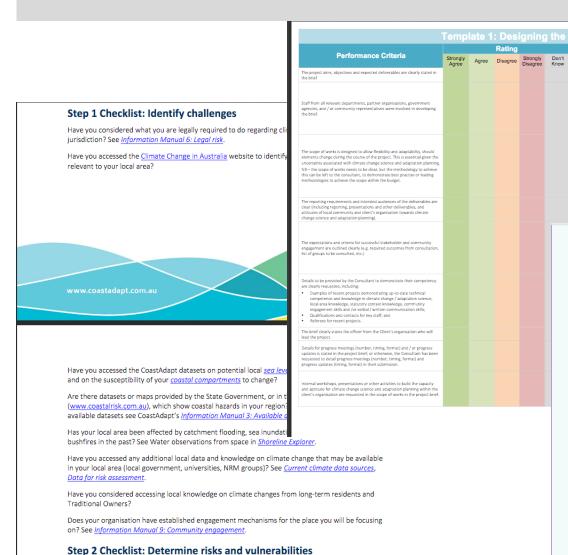




Web content



Checklists



Box 4: Questions to support self-assessment of existing climate change adaptation plans

Does the plan articulate a clear vision?

Separating the project area into smaller prioritised areas;
 Pursuing a data collation and review project, prior to designing the main project.

to have an executive summary, and technical details to be included in appendice:

Did the Client seek input to check that project aims, objectives and deliverables are clear in the briefs

and / or community groups as required

· Are there goals and unambiguous, measureable objectives?

Were a range of the Client organization's staff moviour in developing the project brief, to build a clear set of aims, objectives and expected deliverables? This should include staff from various department (e.g. uses tempargenent, flurid use planning, flances, government, environment and sustainability). Were relevant external government agencies consulted when developing the brief? This will be important where the government agencies are providing financial sistance or may be expected to assist in implementing the projects of suctions. Dot the Client consider consulting with key community groups. J persons, to capture relevant community concerns in the brief?

Were pere relevance, colleagues ex with reperience in climate change and adaptation projects consulted, to ensure the aims, collevance size when the project project projects or consulted, to ensure the aims, collevance size when the consultance or consultance and consultance projects consulted, to ensure the aims, collevance size when the consultance and projects or consultance to ensure the aims, collevance and adaptation projects consulted, to ensure the aims, collevance and adaptation projects consulted, to ensure the aims, collevance and adaptation projects consulted, to ensure the aims, collevance and adaptation projects consulted, to ensure the aims, collevance and adaptation projects consulted to the consultance and adaptation projects consulted.

The Client could consider establishing a Project Working Group, consisting of key staff from the Client's organisation, partner organisations, government agencies

Did the Client consider or include any of the following methods to introduce flexibility and adaptability into the project brief, particularly given the uncertainties.

associated with climate change and adoptation projects?

Parsuring a pilot project first, before designing a larger scope project;

Specifying hold ponds with milestomes, to be approved before undertaking the next stage;

Steaking the project into suralite present but are understates individually. This would require a separate procurement process for each piece of work; or setting a p a Parel of Providers of sustable consultants (see below);

Set up a "Parel of Providers" of sustable consultants, is an antial expression of interest to check qualifications, experience and expertise, then engaging consultants (payly or to work regorder) as required for stages / sugments of the project.

Senting the properties are not recognized to the regorder to thought a stage of the project.

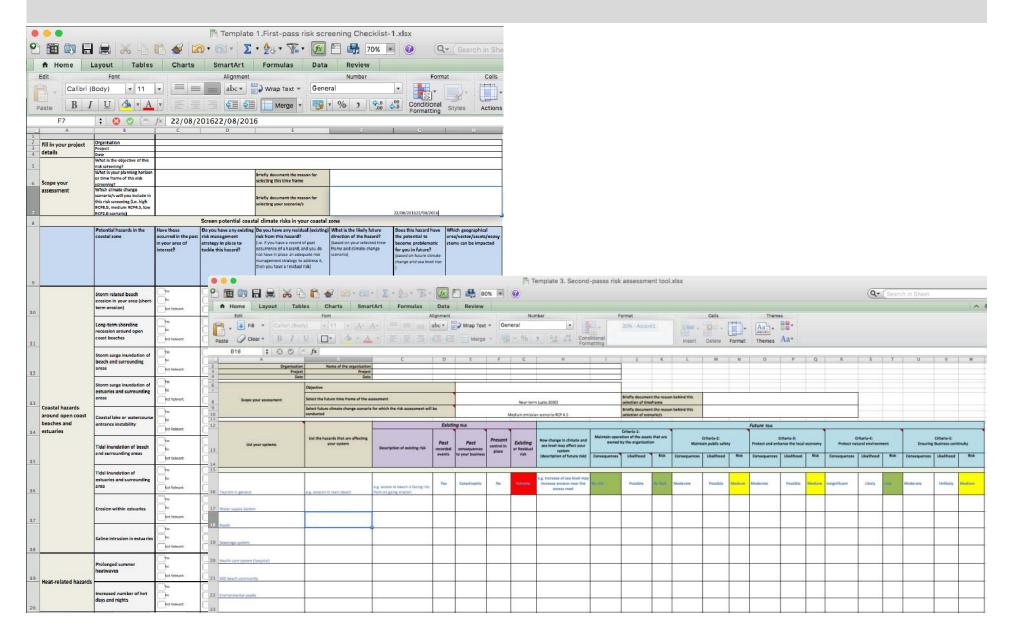
Senting the properties are not required in properties of the significant of the project.

Aside from key deliverables, a key acceptance criterion will be the quality of any reporting or presentations derived from the project. Have the expected audience for these deliverables been clearly outlined in the brief? For example, the brief may require the main report to be succinct and easily understood by the layperson,

Has the client considered the organisation and community's attitudes towards climate change and adaptation projects when designing the deliverables

- Are there indicators for each action that can be measured to assess performance/delivery of each action? Can changes to the indicator be attributed to the action?
- Is there evidence that the plan was developed with sufficient internal or external engagement?
- Does the plan identify an internal or/and external champion(s) who will help to drive the implementation of the plan?
- Are there individuals/groups identified to be responsible for the delivery or next steps associated with each action?
- Is the plan suitably iterative and flexible to ensure it can be altered if outcomes are not achieved or as new information and technologies become available.
- Is the plan equitable, with no particular groups being particularly disadvantaged?
- Is the plan fit for the purpose of your organisation?
- Does the plan contain a diverse range of options (no-regrets, short, medium and long term)?

Simple Tools



Information Manuals







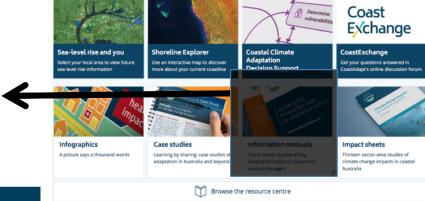








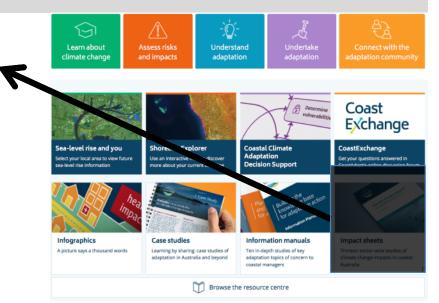




Impact Sheets

13 sectoral impact sheets



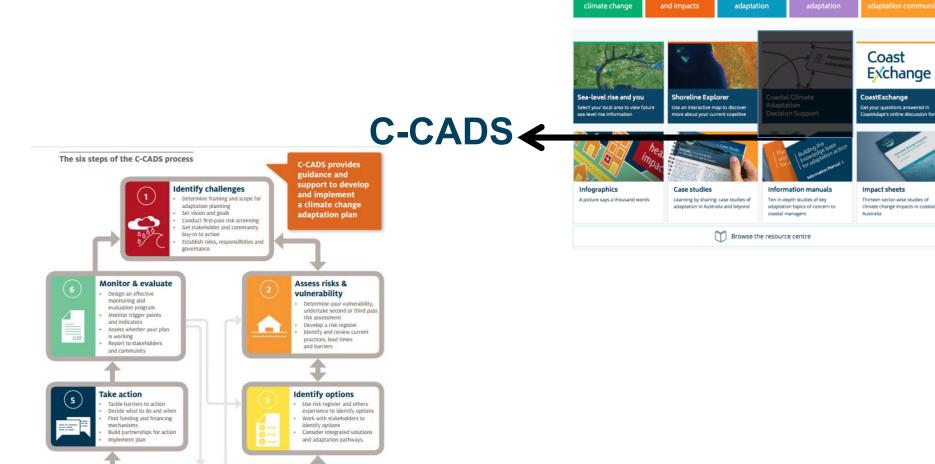


Decision support

Learn about

Understand

Coast



Evaluation options & prepare a plan Establish decision criteria and assess acceptable risk Assess options Decide timing of actions and decision, based on thresholds and lead times (pathways) Identify monitoring and Prepare adaptation plan

Case Studies and Snapshots



















A picture says a thousand words





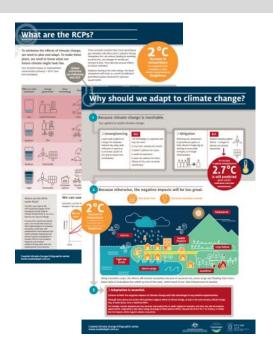
Ten in-depth studies of key



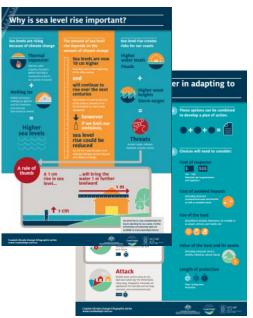
Coast

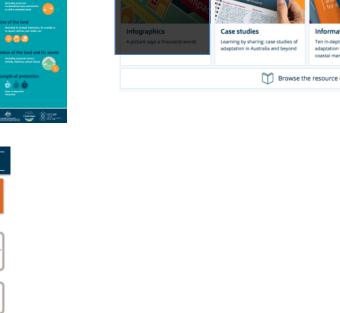


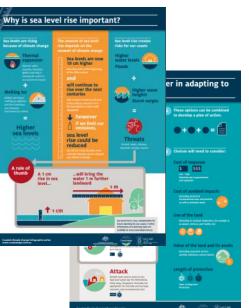
Infographics



What are the options for adapting to sea level rise?

























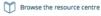




Coast Exchange

CoastExchange

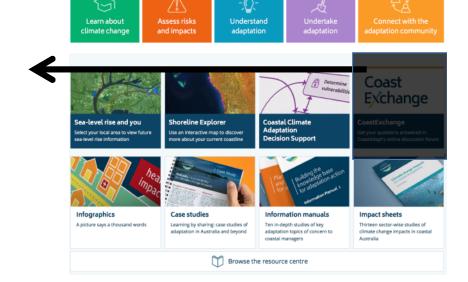
Get your questions answered in CoastAdapt's online discussion foru



CoastExchange

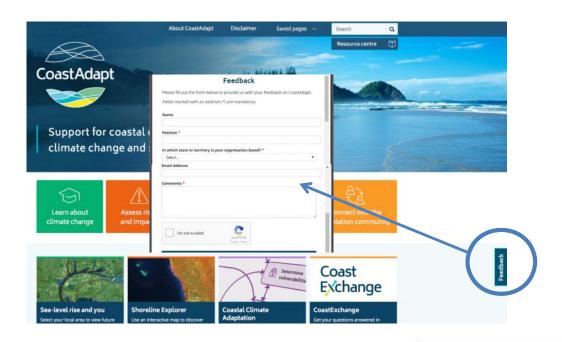
 Forum for adaptors to connect with their peers, share ideas

"Ask an expert"



www.connect.coastadapt.com.au/

Providing feedback



At the end of every page

Provide us with your feedback!

Please fill out our <u>feedback form</u> to send us your comments about CoastAdapt. This form can be accessed from the tab on the right-hand side of every CoastAdapt page.

We also have an online survey available which will allow you to provide much more detailed feedback. If you have used CoastAdapt for a while, please feel free to fill out the online survey.

Thankyou



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