

Re-framing our adaptation message

From:

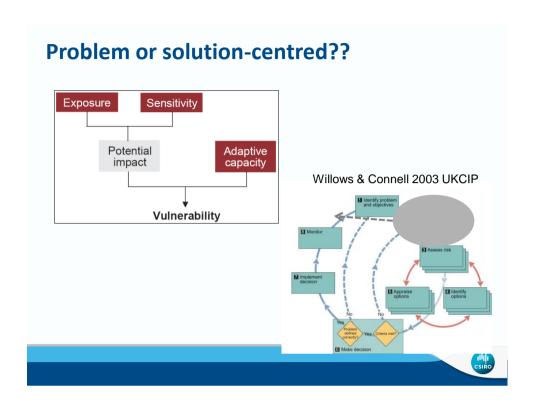
Disempoweringly complex, all-encompassing, problematic, uncertain and distant

To:

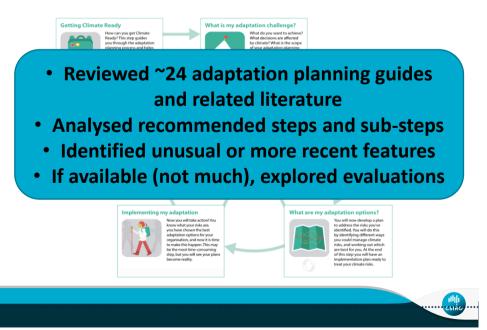
- 1. Solutions/decisions, not problem-oriented
- 2. Decisions today, not in 2070
- 3. Risk management, not uncertainty
- 4. Values and institutions, not only technical constraints
- 5. **Social and economic** implications, not (only) environmental
- 6. Emergent challenges, not (only) local responses

CSIRO

(Stafford Smith, Fortaleza, 2014)



Australian adaptation planning standard - developing



Key elements of leading practice

- 5-6 basic iterative steps are ~universal, & key sub-steps (n=24)
 - But still expressed in many different ways: time to get consistent





Core steps (whatever you call them) O. Getting ready to start 1. SCOPING – goals, scope, decision areas affected, managing the process • Getting the right people involved, choosing approaches 2. IDENTIFYING – risks, opportunities, response measures 3. APPRAISING – assembling adaptation options, appraising them, developing an implementation plan 4. IMPLEMENTING – sign off, timing, actions 5. MONITORING – evaluating success, sharing lessons, planning to iterate • Critical for emergent effects

Key elements of leading practice

- 5-6 basic iterative steps are ~universal, & key sub-steps (n=24)
 - But still expressed in many different ways: time to get consistent
- · Different levels of planning detail
 - Issue evident since 2000s (e.g. 'tiers' in UK-CIP), but not formalised
 - > Operational Cycles of increasing detail: Scan, Portfolio, Project





Operational cycles - may be sequential

Cycle:	SCAN	PORTFOLIO	PROJECT
Status of decision maker	First consideration of managing climate risks; poorly defined scope; limited understanding of stakeholders and their expectations		
Intended output	Decide what areas of operations require future planning effort		



Operational cycles – may be sequential

Cycle:	SCAN	PORTFOLIO	PROJECT
Status of decision maker	First consideration of managing climate risks; poorly defined scope; limited understanding of stakeholders and their expectations	General understanding of the climate risks faced by the organisation, and identified priority areas for attention	
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Status of decision maker	First consideration of managing climate risks; poorly defined scope; limited understanding of stakeholders and their expectations	General understanding of the climate risks faced by the organisation, and identified priority areas for attention	Strong understanding of climate risks faced by the organisation and related decisions; focus on a previously prioritised decision area
Intended output	Decide what areas of operations require future planning effort	Develop a broad adaptation pathway across affected areas of the organisation	Implement investment in targeted adaptation project (or deliberate decision to delay action)



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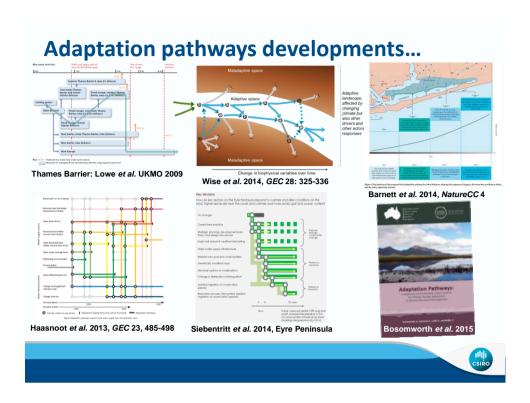
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Intended output	Decide what areas of operations require future planning effort	Develop a broad adaptation pathway across affected areas of the organisation	Implement investment in targeted adaptation project (or deliberate decision to delay action)
	e.g. high level regional adaptation plan which identifies sectors or places for more analyses	e.g. portfolio analysis for a company or council, identifying areas for detailed investment planning	e.g. plan for project implementation, may be informal or major project like Brisbane airport 3 rd runway



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- · Different levels of planning detail
 - Issue evident since 2000s, but not formalised
 - > Operational Cycles of increasing detail: Scan, Portfolio, Project
 - Guides what detail is needed in other issues
- Diagnose problem/context framing better
 - Diagnostics leading to more informed choice of risk assessment methods
- Growing rigour about measures and options, and methods for appraising options (per Hinkel, Bisaro, etc)
 - · More availability of registers of risks and measures/opportunities by sector
 - Growing ability to look at systemic risks from value and supply chains, and cross-scale effects; often coming to be recognised as dominant risks
- Firmer guidelines for how to select climate inputs





Priorities x cycle

Cycle:	SCAN	PORTFOLIO	PROJECT
Context analysis: social and institutional analysis techniques for barriers (e.g. VRK diagnostic)			
Risk assessment approaches: climate-driven or experience-driven / vulnerability or adaptive capacity			
Choice of climate data: level of detail and diversity			



Priorities x cycle

Cycle:	SCAN	PORTFOLIO	PROJECT
Context analysis: social and institutional analysis techniques for barriers (e.g. VRK diagnostic)	Low priority – this cycle emphasises the identification of areas of decision making that need closer examination in the subsequent cycles	Critical - explicitly use to identify barriers to action in each decision-making area of the portfolio; also to appraise all adaptation options	Important but should be already be known; use diagnostics as part of appraising adaptation option priorities
Risk assessment approaches: climate-driven or experience-driven / vulnerability or adaptive capacity			
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Risk assessment approaches: climate-driven or experience-driven / vulnerability or adaptive capacity	Emphasise local experiences, past exposure to climate- related hazards, simplified trends in potential impacts	If resource limited, then emphasise experience- driven approach if context analysis identifies many barriers, else take climate- driven approach; ideally both	For small projects, emphasise experience- driven approach if context analysis highlights many barriers, else take climate- driven approach; for large projects, do both.
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Choice of climate data: level of detail and diversity	Regional <i>summaries</i> for general future impacts and confidence	Regional <i>summaries</i> enhanced by <i>trajectories</i> of main climate variables over time	For bigger, longer-term or contentious projects use detailed <i>projections</i> , else as for Portfolio cycle.



Selection of climate data x cycle & step

- In Steps 1 and 2, ensure all possible risks are considered by using the 'greatest plausible change' climate information.
- In Step 3, obtain a balanced assessment of whether to act through a balanced understanding of the range of possible futures, to avoid acting either too soon or too late.
- Use greater detail as you move from Scan to Portfolio to Project Cycles

Cycle:	SCAN	PORTFOLIO	PROJECT
Step 1 Scoping	Use regional Summaries for greatest plausible change, to ensure all issues are raised	Use regional Summaries or Trajectories of greatest plausible change to identify relevant decision areas	[N/A usually]
Step 2 Identifying	Use regional <i>Summaries</i> , emphasising ' <i>maximum</i> consensus', with some sense of uncertainties	Use greatest plausible change scenarios from regional Trajectories: adjust for whether variables change monotonically	Choice of <i>Trajectories</i> or <i>Projections</i> systematically dependent on scale of decision context and style of risk management
Step 3 Appraising	[N/A: usually qualitative analysis]	Extend the <i>Trajectories</i> used above to the 3-4 that cover the full range of possibilities for this step, allowing for direction of change in variables and your risk tolerance	Level of detail dependent on scale and significance of project – mostly may not need any more data, but some cases require detailed <i>Projections</i> data for quantitative appraisal of options; then risk management and data needs systematically interlinked

See Climate Navigator at www.climatechangeinAustralia.gov.au, forthcoming





For more details: www.climate-adaptation.org.au

www.csiro.au

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