



Local Agenda 2030: developing a participatory framework for achieving the SDGs from the bottom up

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The Sustainable Development Goals (SDGs), adopted by all the world's governments at the UN in 2015, aim to guide global development until the year 2030.



The SDG Index

Select a country to see its full profile

Country	Region	SDGs	Rank ^	Score
Denmark	OECD members		1	85.2
Sweden	OECD members		2	85.0
Finland	OECD members		3	82.8
France	OECD members		4	81.5
Austria	OECD members		5	81.1
Germany	OECD members		6	81.1
Czech Republic	OECD members		7	80.7
Norway	OECD members		8	80.7
Netherlands	OECD members		9	80.4
Estonia	OECD members		10	80.2
Australia	OECD members		38	73.9

Global Index Score

- > 80
- 80
- 60 - 70
- 50 - 60
- [information unavailable]

The boundaries, colors, denominations, and other information shown on this map do not imply any judgment on the part of SDSN

<https://dashboards.sdgindex.org/>

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



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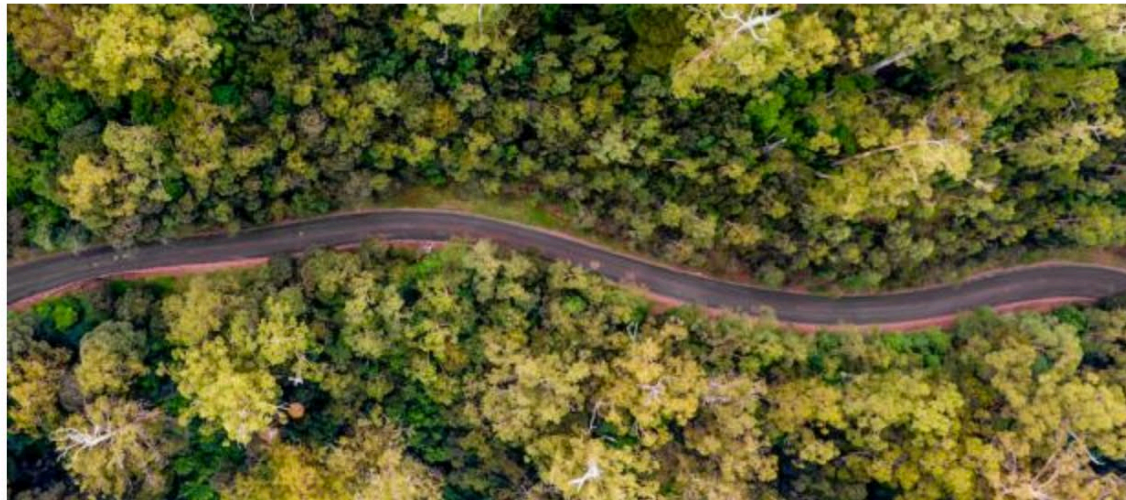


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Victoria leads the way in adopting the UN SDGs for environmental reporting

Media release

19 March 2019





Local approaches to the SDGs are urgently needed

- There is not much time left, already 5 years has passed
- Top-down approaches necessary but not sufficient
- If many communities develop and implement their own plans then we can achieve the SDGs from the bottom-up



How can local communities implement the global goals?

- High-level global goals are not always relevant to local communities
- Global agreements lack governance necessary to facilitate change on-ground, local governance is more effective
- Local communities often lack capacity to identify and implement pathways to more desirable futures under uncertainty



Aims: Localising the SDGs

- To develop a framework for co-creating bottom-up plans aligned with the priorities of local communities
- To acknowledge the heterogeneity of local communities e.g. socio-economic and environmental drivers, strategic technical capacity, data availability etc.
- To develop a sense of shared ownership amongst local communities of the choice of pathways towards a more sustainable future

The Local SDGs Program is asking specific questions

- What external changes are most important for the local community (e.g. climate, economy, industry, agriculture, environment, population...)
- What SDGs/targets/indicators are most relevant to the local community?
- What locally-relevant changes/solutions/options are available?
- How do local communities make robust decisions over time to achieve sustainable futures?



2015 fire raging at Wye River near scenic Great Ocean Road

Credit: Flickr (Melvin A)



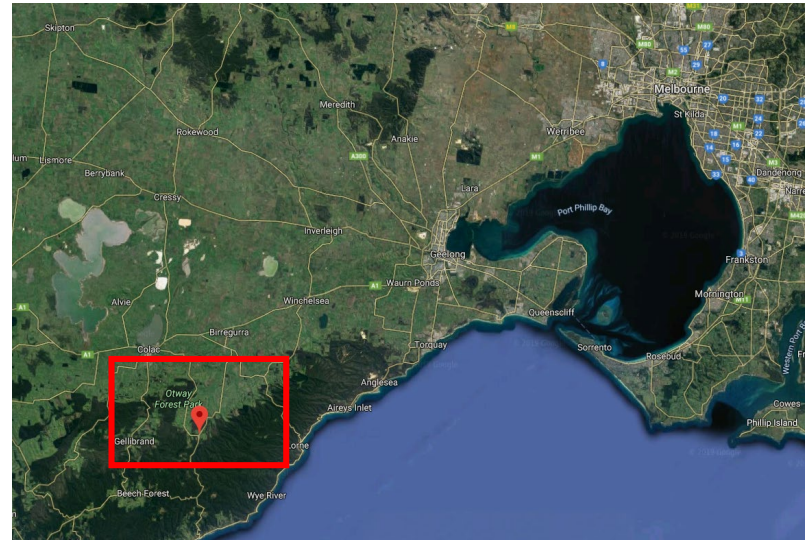
Farmland near the town of Coonabarabran in NSW hit by drought

Credit: Graham Jepson/FT

The Forrest community

A post-agricultural/forestry community in transition that recognises its vulnerability to environmental, social and economic change, with concern around:

- Increasing frequency and severity of bushfire and the risk to life and property (SDG3)
- Ensuring availability and sustainable management of water (SDG6)
- Promoting sustained, inclusive and sustainable economic growth (SDG8)
- Protecting and restoring sustainable use of terrestrial ecosystems, sustainably manage forests and tourism (SDG15)

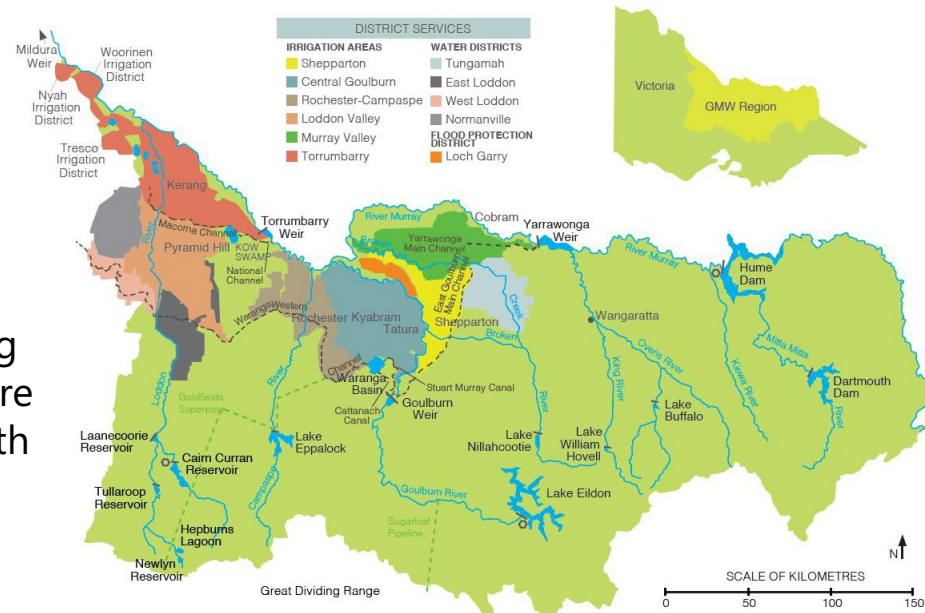


Mountain biking is one of the main recreational and tourism drawcards in Forrest

The Goulburn Murray region

A productive agricultural community that is adapting to less water availability and increasing extreme temperatures that is vulnerable to future environmental, social and economic change, with concern around:

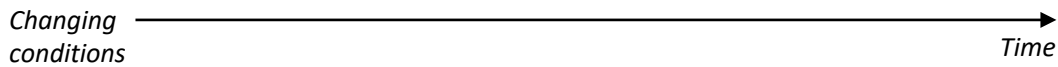
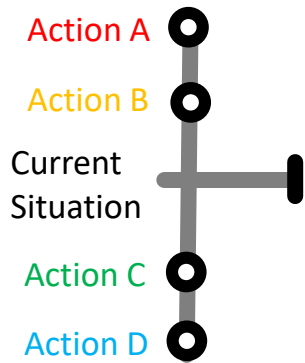
- Avoiding land degradation (SDG15) and improving water quality (SDG6)
- Ecological health of the Murray River (SDG15)
- Sustainable economic growth and productive employment (SDG8)
- Sustainable consumption and production patterns (SDG12)
- Achieving improved nutrition and protecting sustainable agriculture (SDG2)







Credit: Enayat A. Moallemi







Dynamic Adaptive Policy Pathways



-  Transfer between actions
-  Adaptation tipping point
-  Action effective in all scenarios
-  Actions not effective in worst case scenarios

Source: Haasnoot *et al.* (2013)

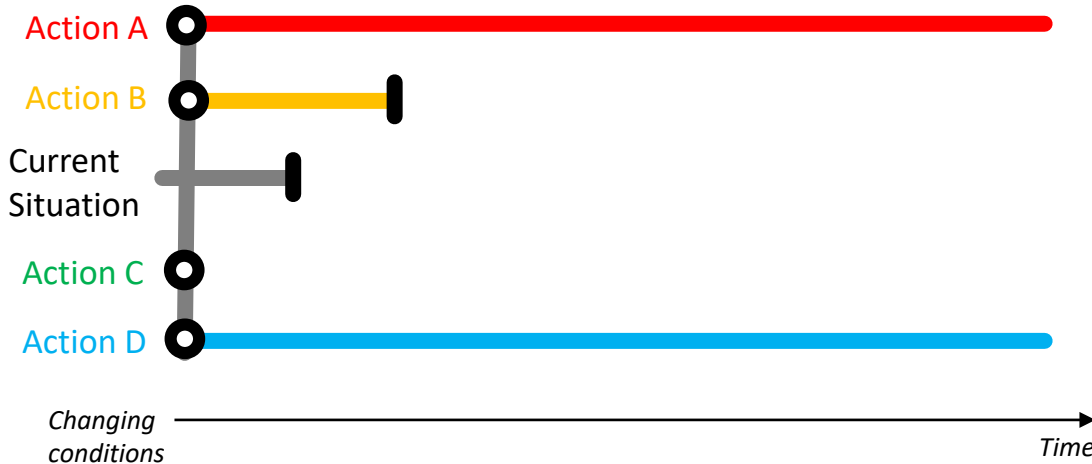


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Dynamic Adaptive Policy Pathways



Transfer between actions



Adaptation tipping point



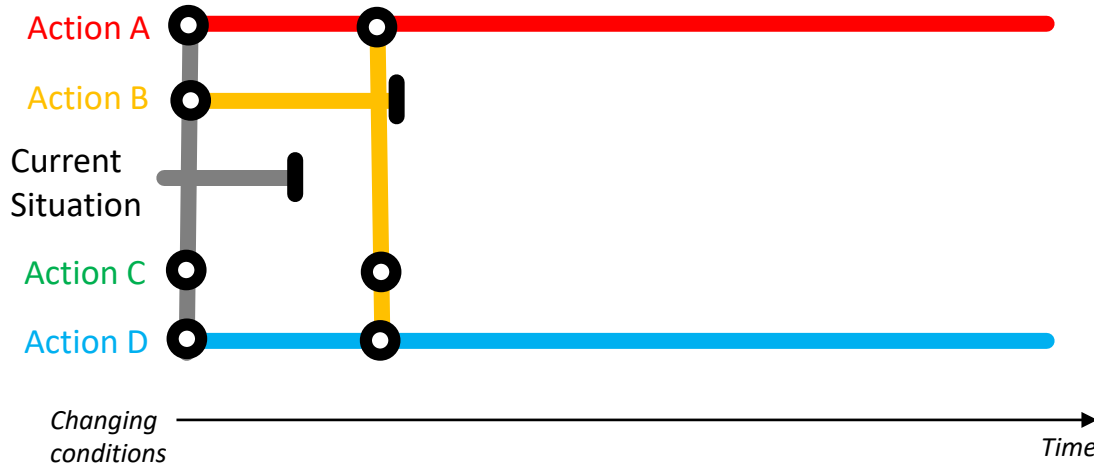
Action effective in all scenarios







Actions not effective in worst case scenarios



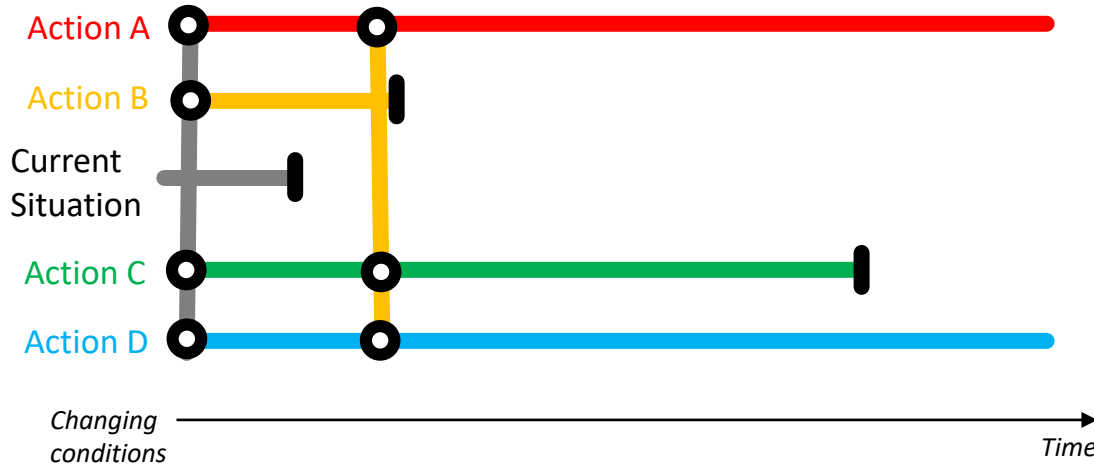
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Dynamic Adaptive Policy Pathways



Transfer between actions



Adaptation tipping point



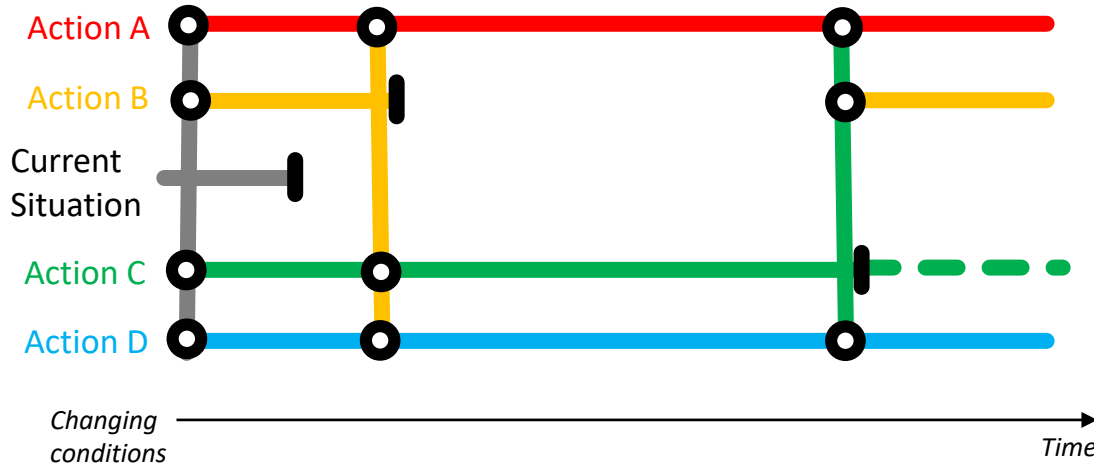
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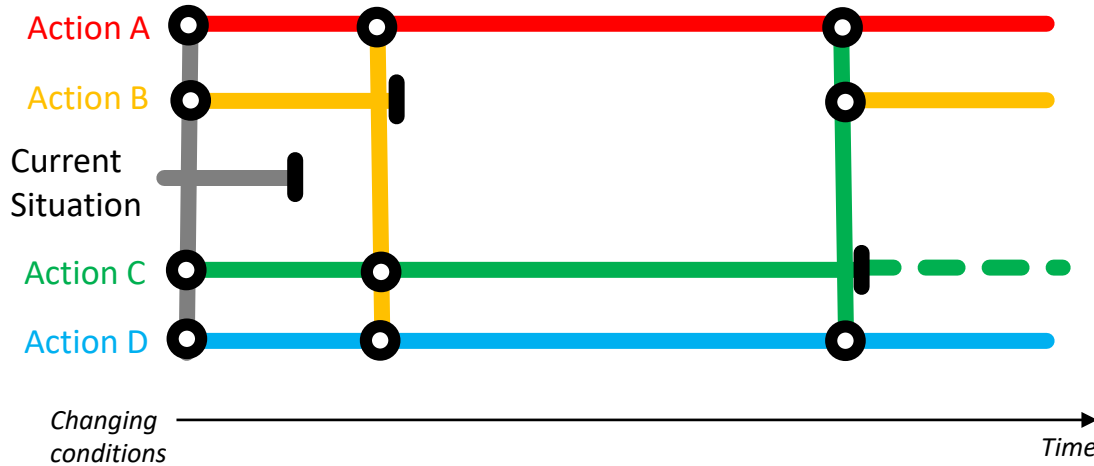


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Dynamic Adaptive Policy Pathways



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Path actions	Relative Costs	Target effects	Side effects
1	+++	+	0
2	+++++	0	0
3	+++	0	0
4	+++	0	0
5	0	0	-
6	++++	0	-
7	+++	0	-
8	+	+	---
9	++	+	---

Dynamic Adaptive Policy Pathways

Contextual analysis



Visioning



Target setting



Scenario framing

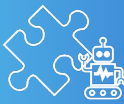


Problem (gap) analysis

Pathways selection



Pathways assembly



Actions evaluation



Actions formulation



Monitoring system design



Contingency planning

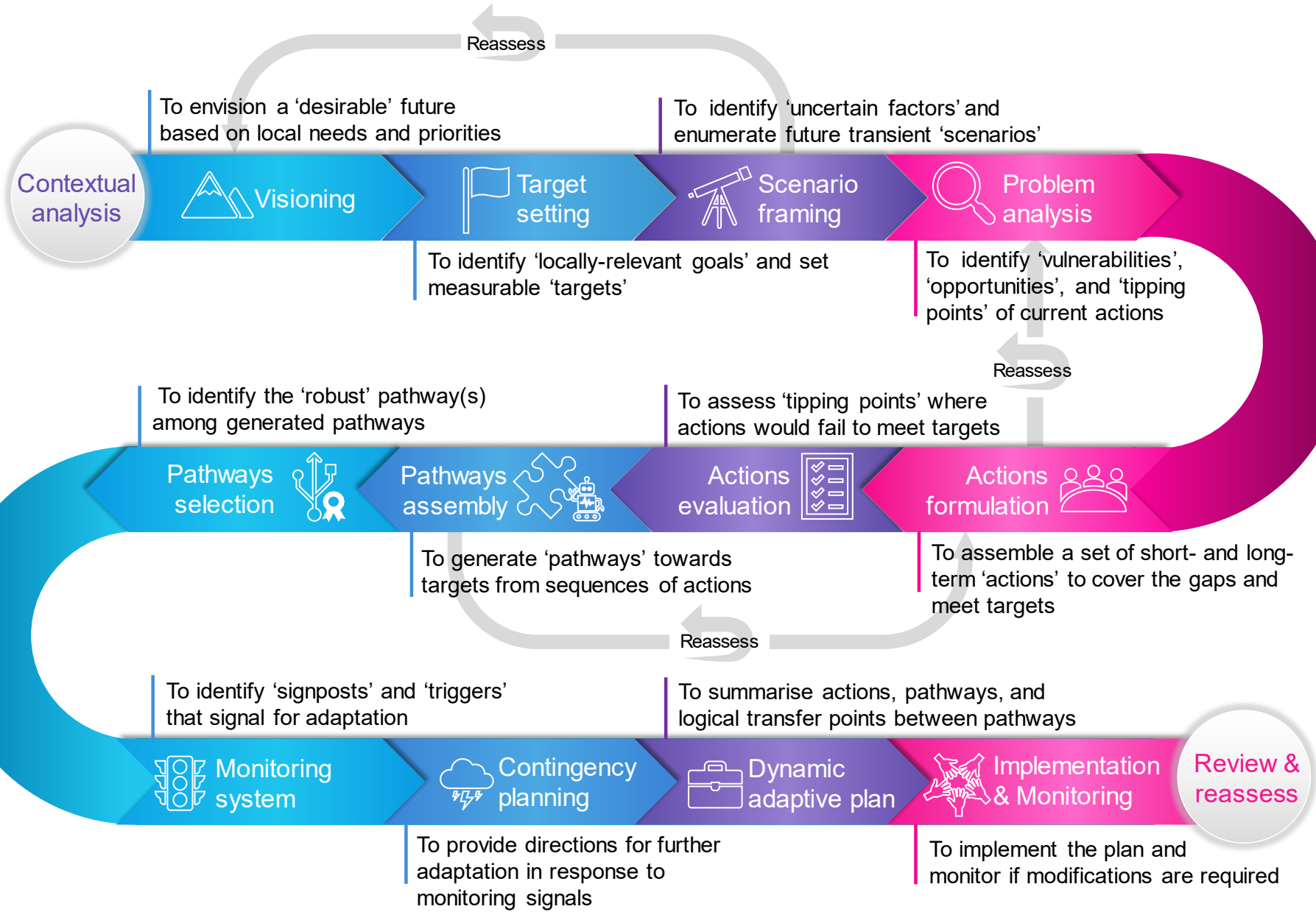


Dynamic adaptive plan



Implementation & Monitoring

Review & reiteration



Dynamic Adaptive Policy Pathways

Contextual analysis



Visioning
Participatory processes

- Brainstorming
- Focus groups
- Interviews

Target setting



Scenario framing



Model-based analyses

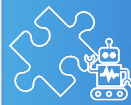
- Conventional simulation
- Sensitivity analysis

Problem (gap) analysis

Pathways selection

Public hearing

Pathways assembly



Actions evaluation

- Scenario discovery
- Design of experiments

Actions formulation



- Role playing games
- Devil's advocate team
- Training sessions
- Citizen's jury

- Multi-objective optimisation
- Robust optimisation
- Systems dynamics



Monitoring system design

Contingency planning



Dynamic adaptive plan

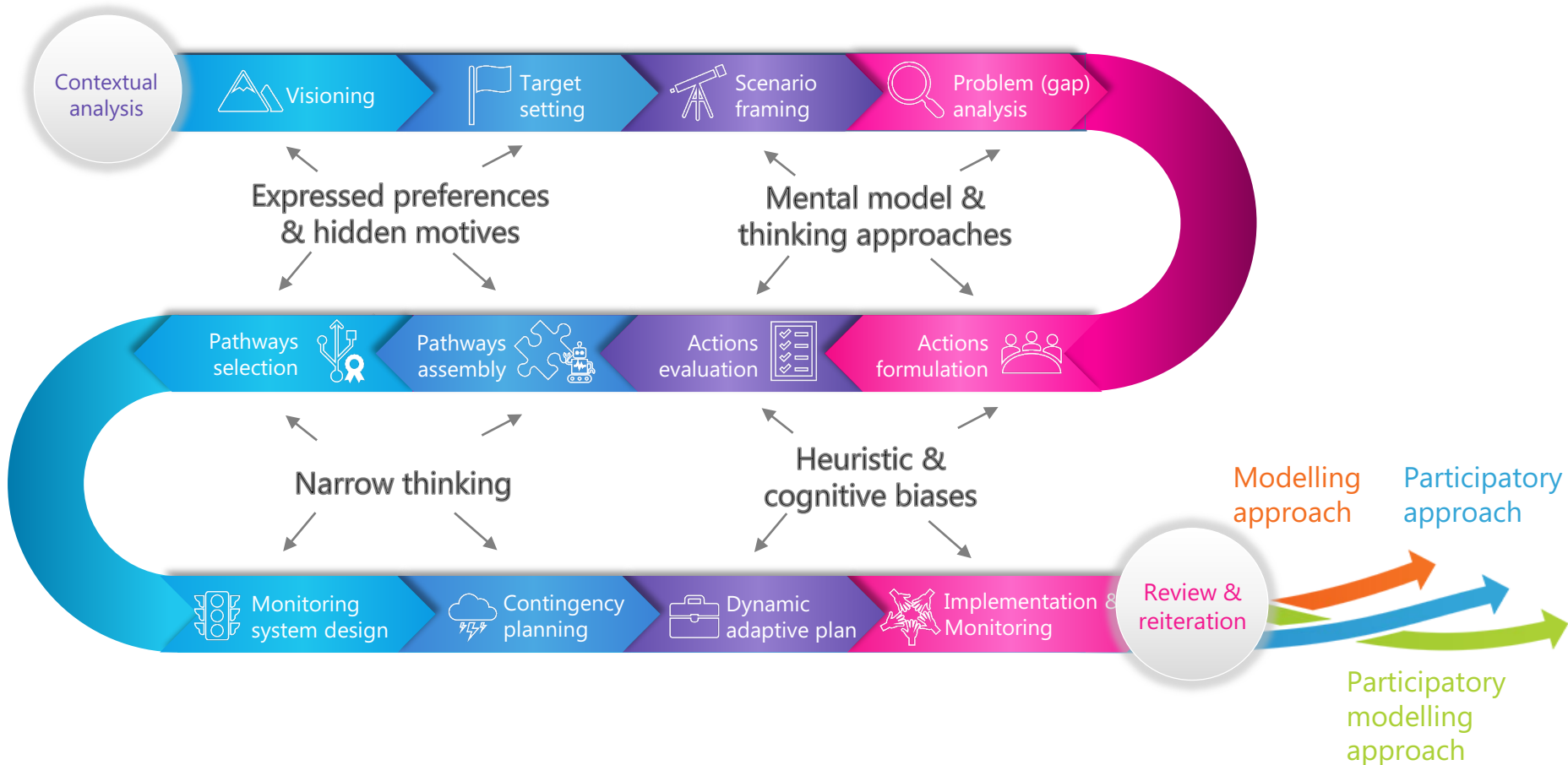


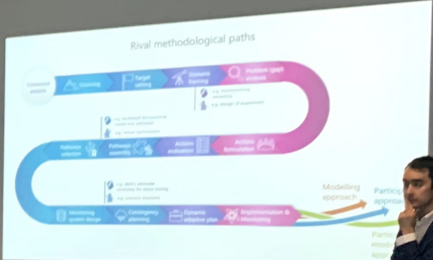
Implementation & Monitoring

Review & reiteration

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Method selection under researcher biases can lead to 'poor' methodological paths



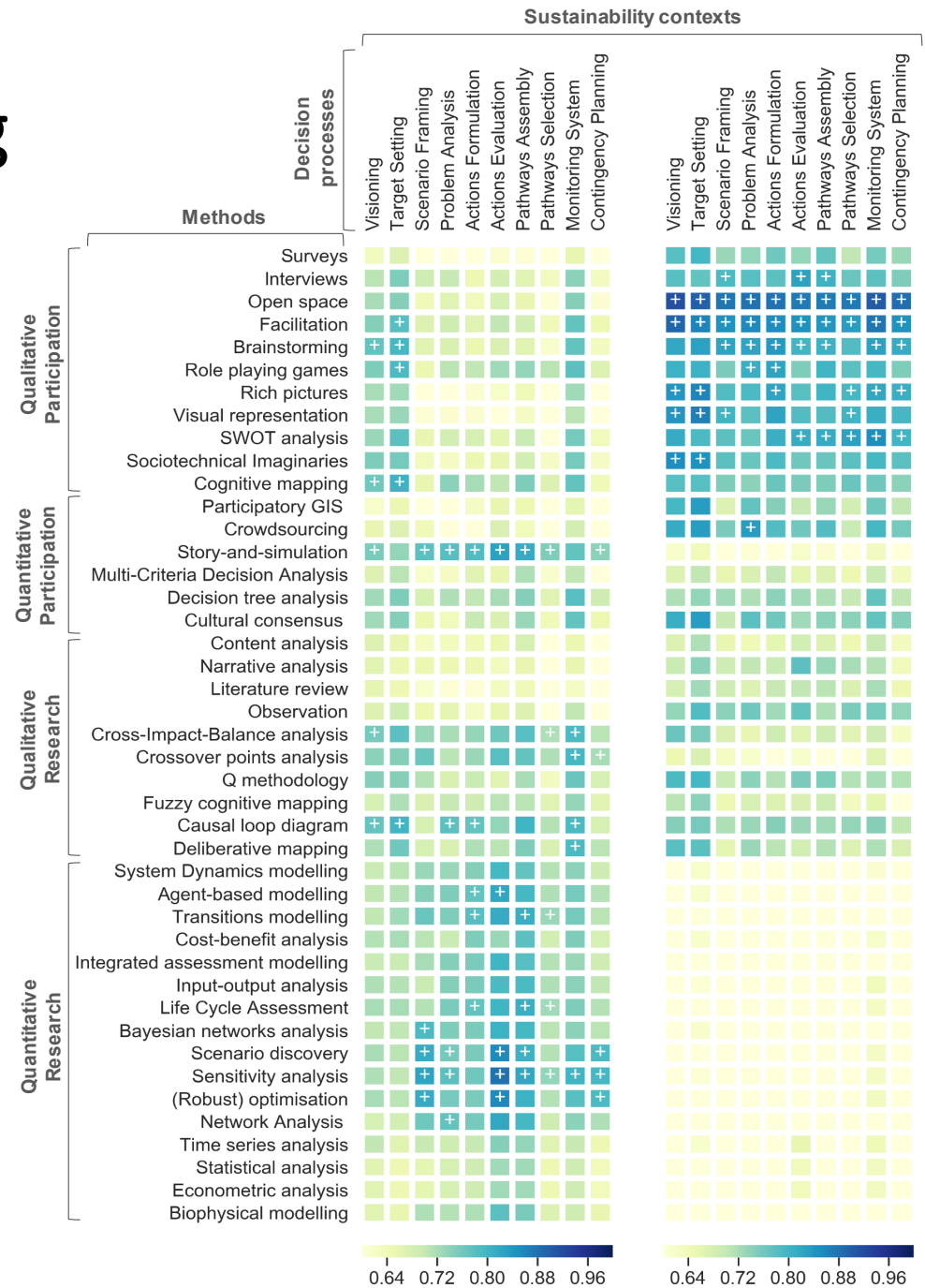


acer
Empowering People

PARTICIPATORY

New tool for localizing the SDGs

- Tailoring methods to specific communities
- Enables communities to choose methods that suit the local context
- Each region is different





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THE LOCAL SDGs PROGRAM

Charting Pathways Towards Achieving UN Sustainable Development Goals (SDGs) in Local Communities

Web: www.localsdgs.org



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SDGs from the bottom up**

Thank You

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