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Avoiding “Lost in Translation”: Enabling Shared Learning in Climate Change Adaptation

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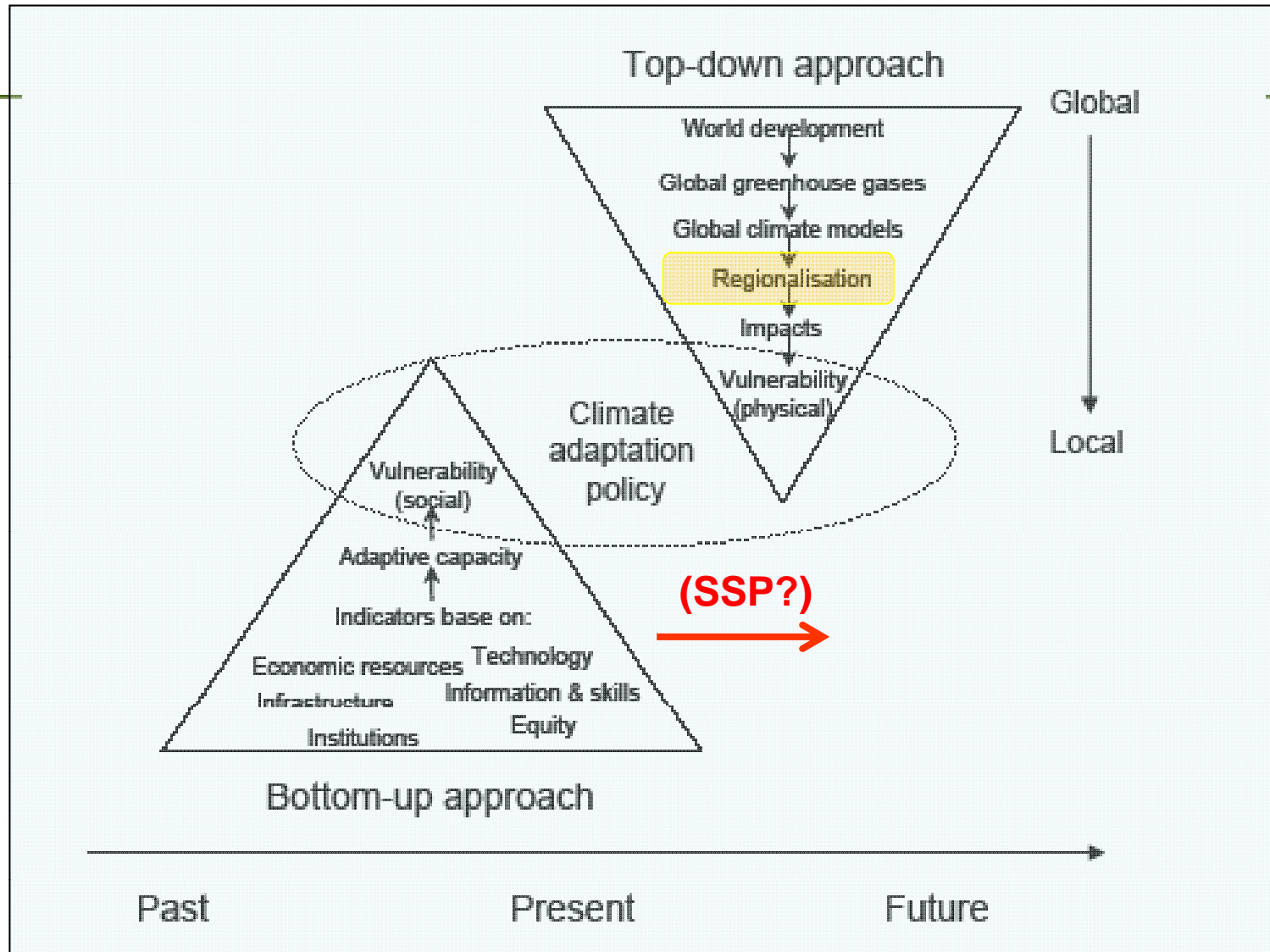
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Outline

- **The climate change information highway**
- **Finding entry points for climate scenarios in adaptation assessment**



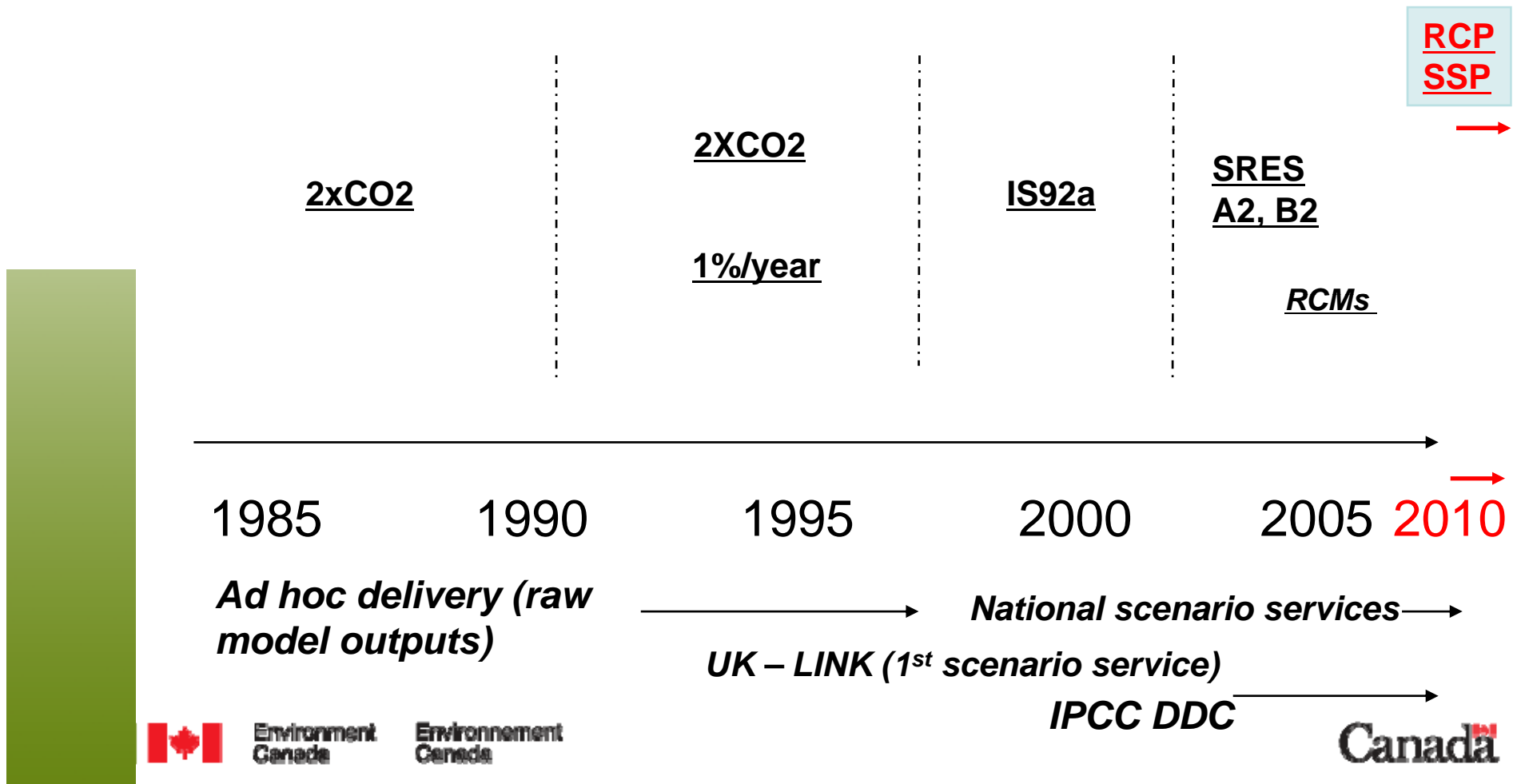
Approaches used to inform climate adaptation policy (Dessai and Hulme, 2003, 2004)



Note: superimpose future physical vulnerability scenario on present social vulnerability?

Evolution of Climate Scenario Delivery for Impacts/Adaptation Research, 1980-2011

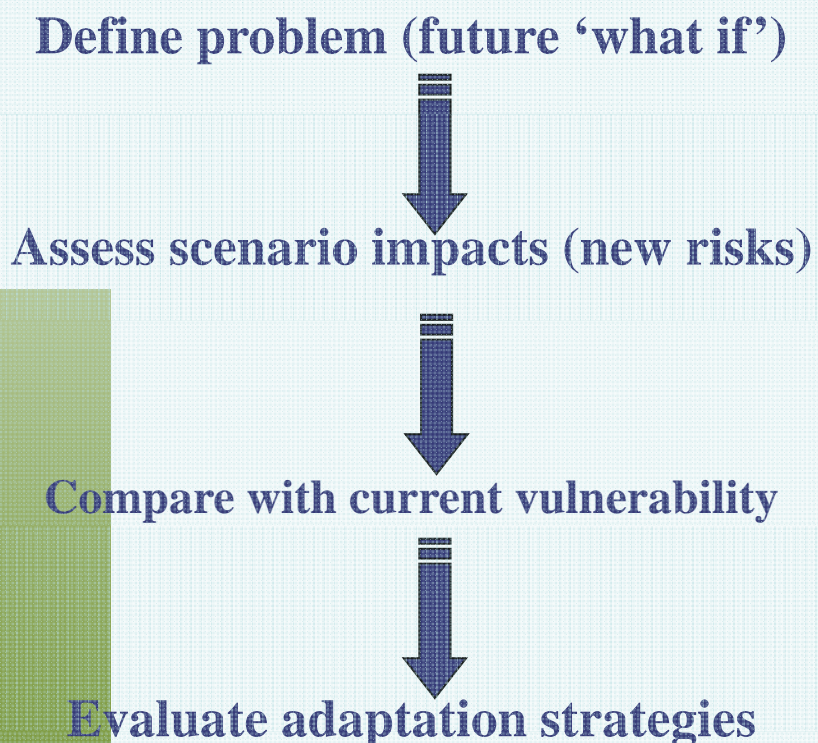
(updated from Cohen and Waddell, 2009)



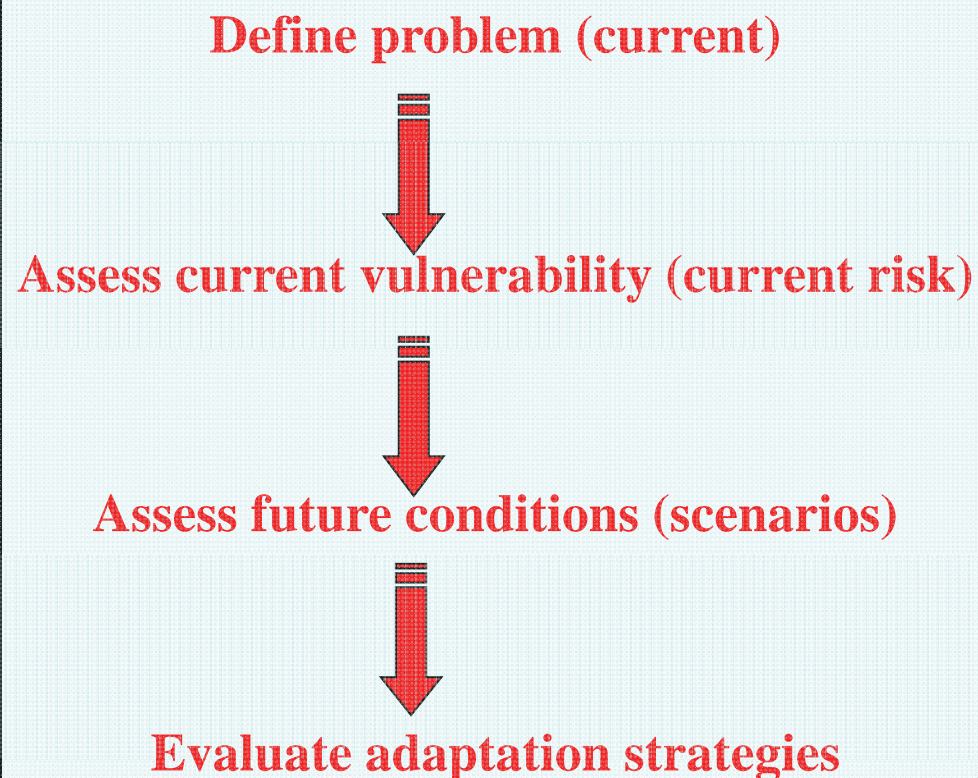
Impacts/Adaptation Research Approaches

(*'visioning' versus 'pathology'*)

'Scenario-First' Approach



'Vulnerability' Approach

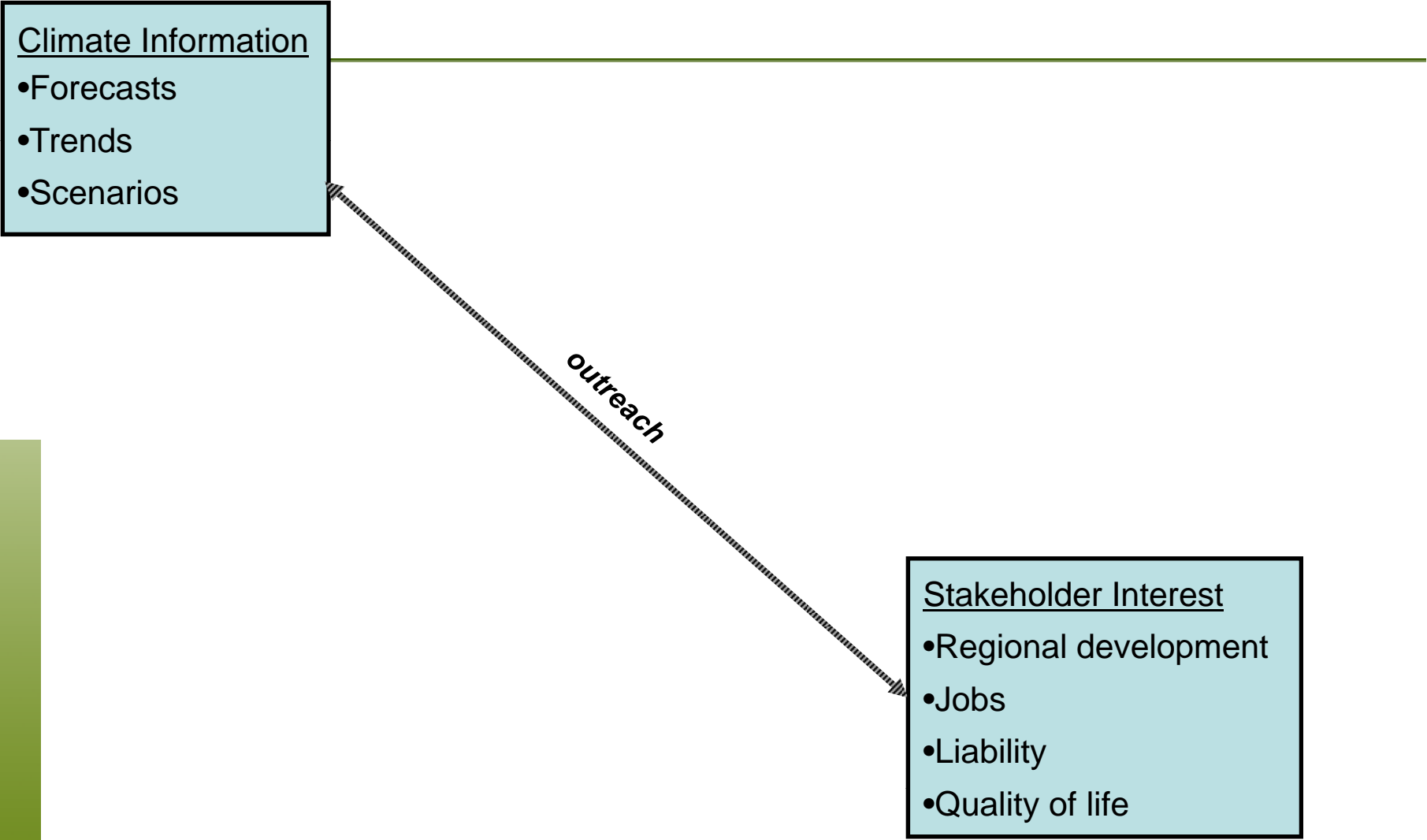


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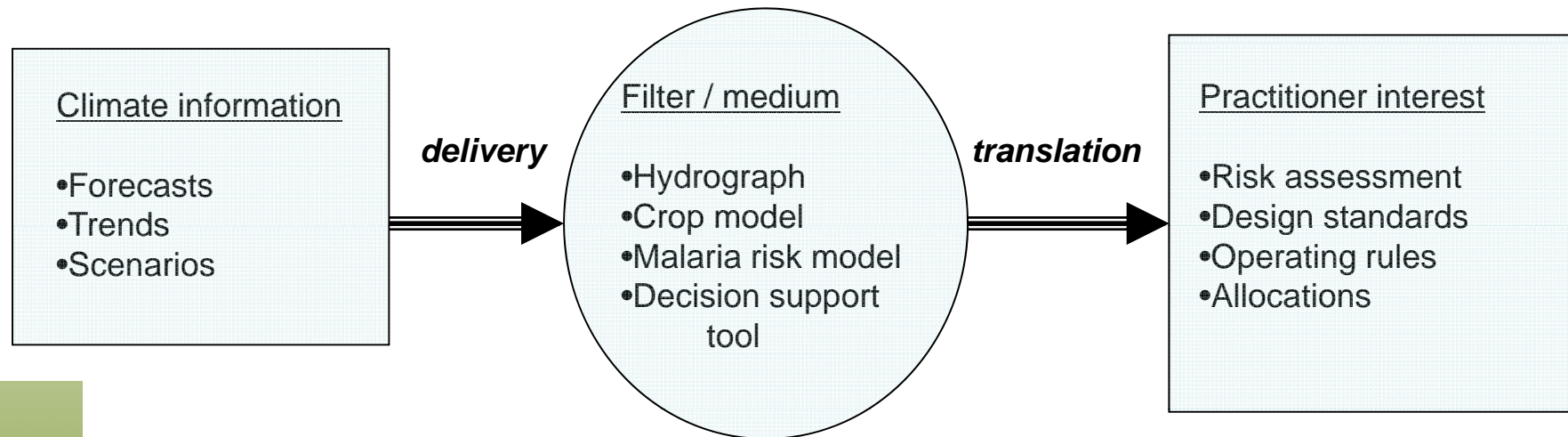
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Climate change information flow to stakeholders?



Climate Change: The Medium is the Message

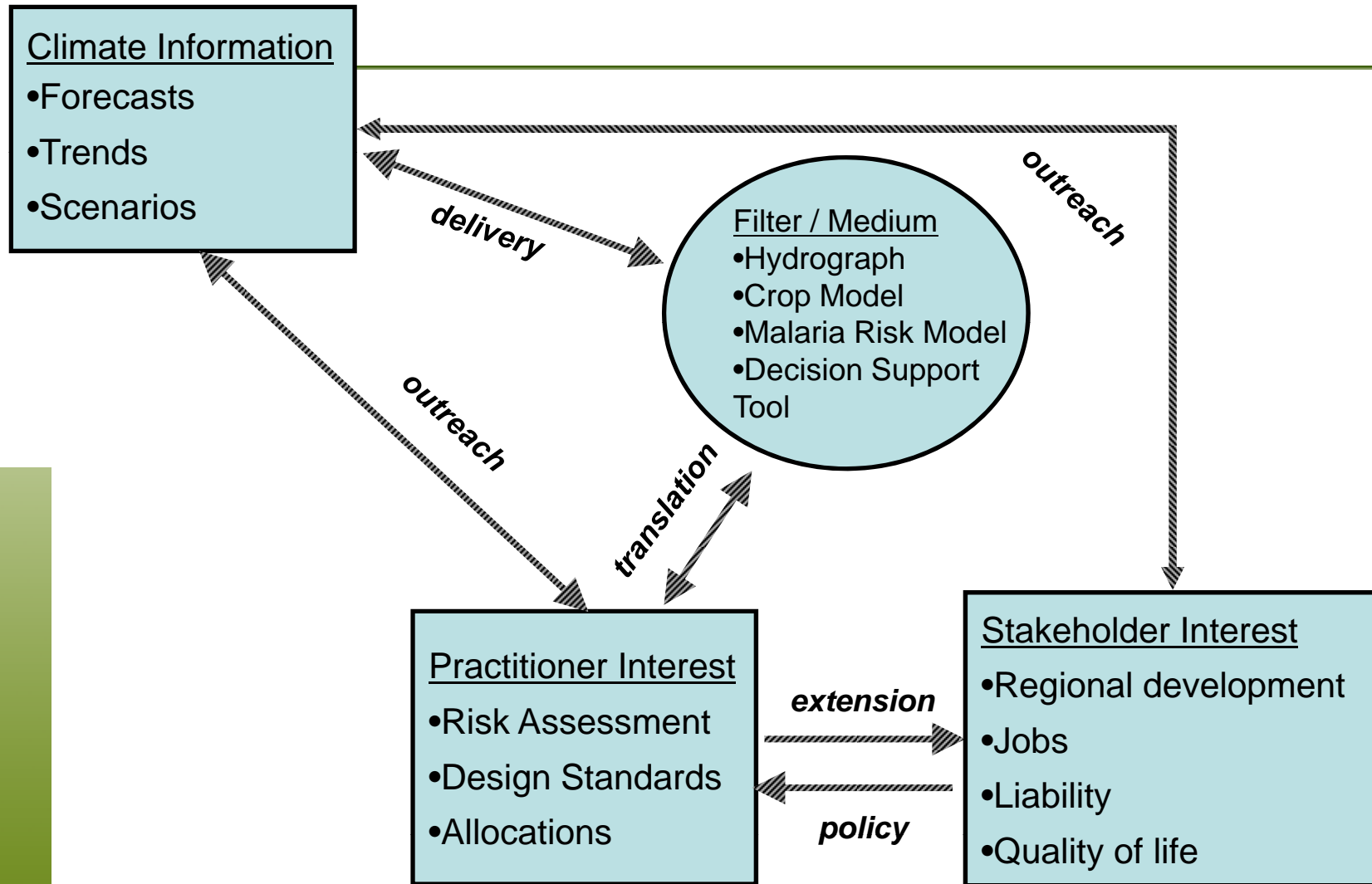


.....translation from climate science to practitioner interest

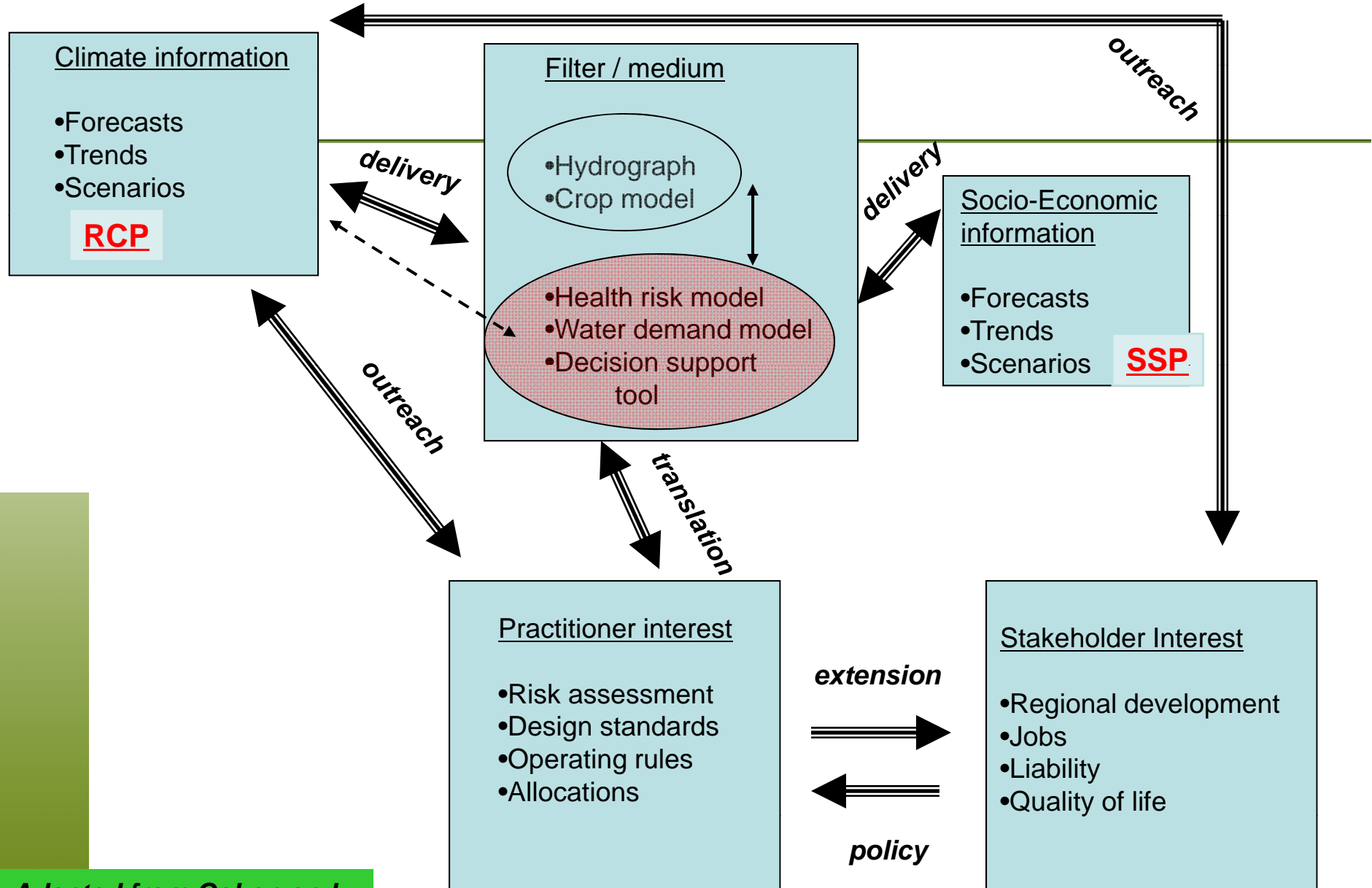


Participatory approach...link with practitioners

(Cohen and Waddell, 2009)



Participatory integration approach—shared learning



Adapted from Cohen and Waddell (2009)

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Building the bridge between climate science and adaptation practice...

- Dialogue with local experts/practitioners as part of integration; beyond serving as an information source and outreach process



Okanagan climate change study team visit to Penticton Dam, June 2002



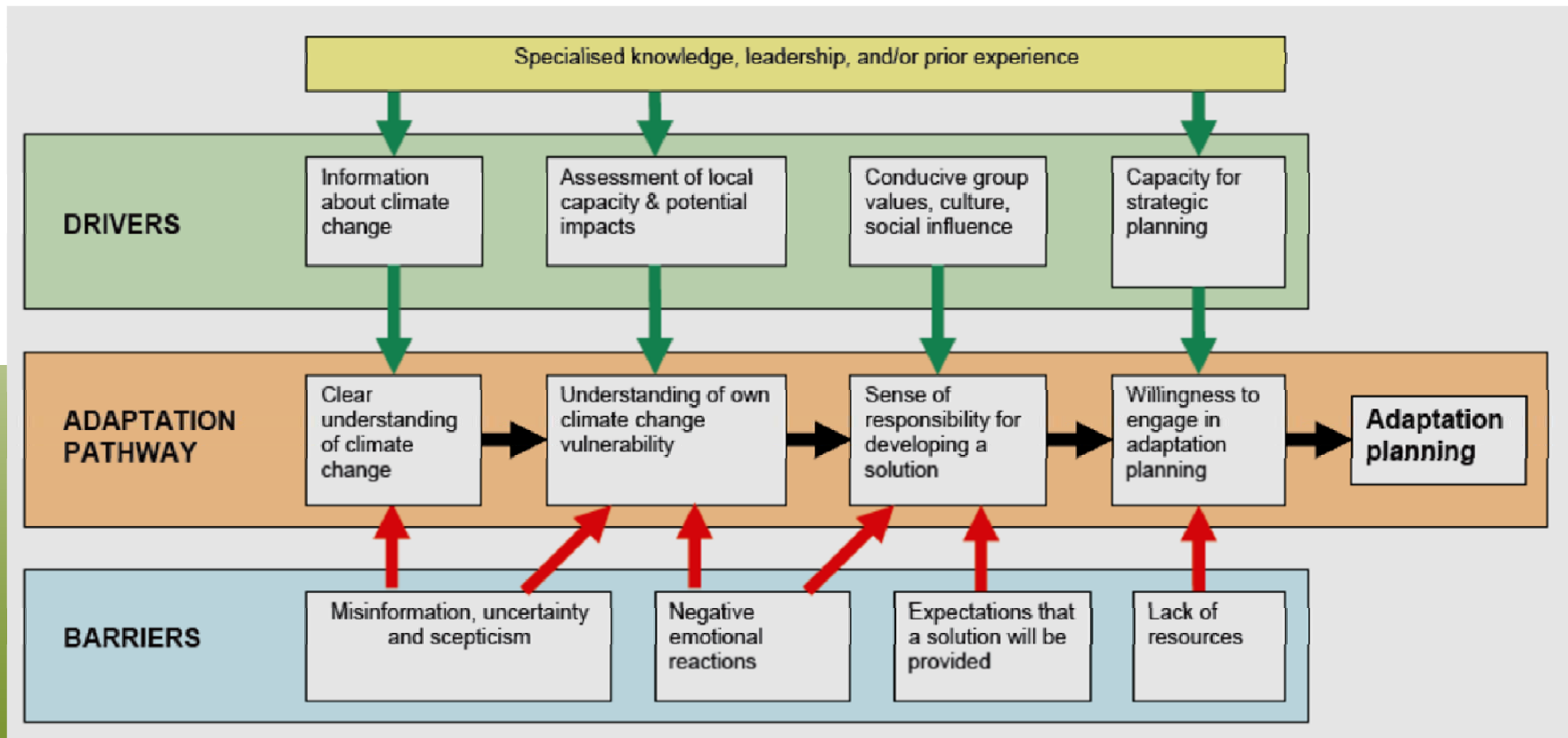
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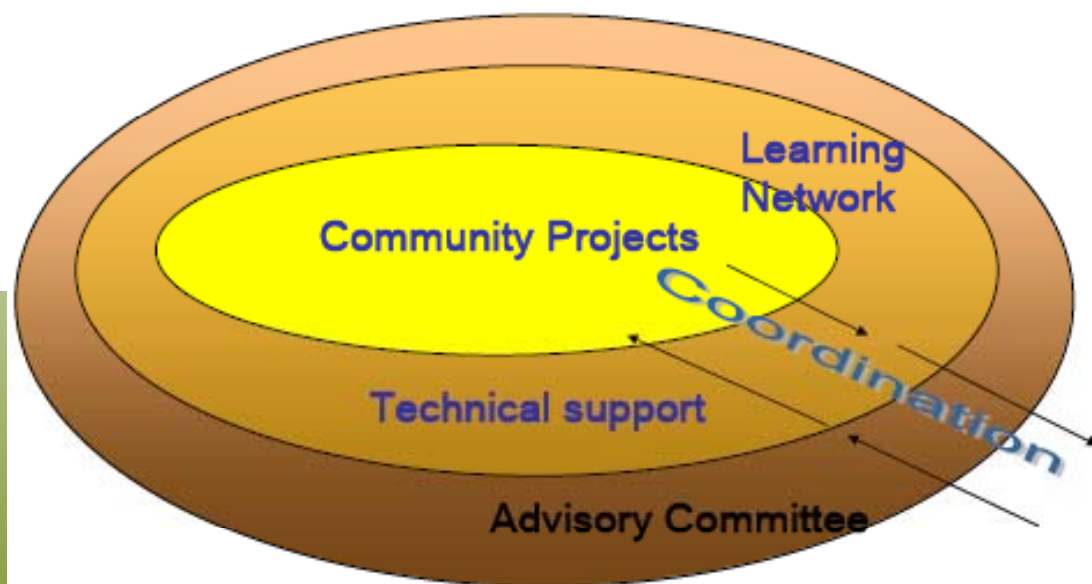
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Pathway for Adaptation Engagement

(Source: Gardner et al., 2009)



Coordination of support for Columbia Basin Trust community adaptation projects.



Kimberley planning workshop.

Website for CBT-- CACCI:
www.cbt.org/climatechange

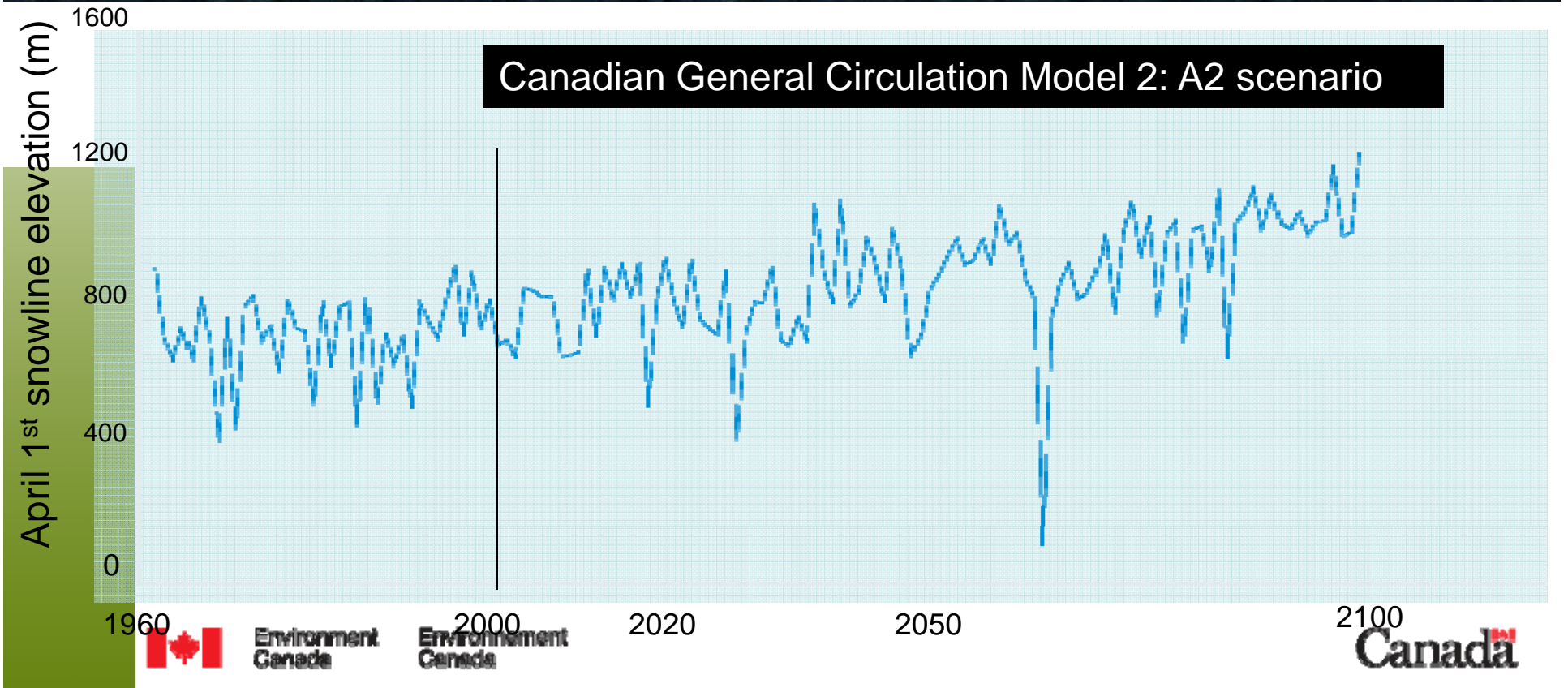
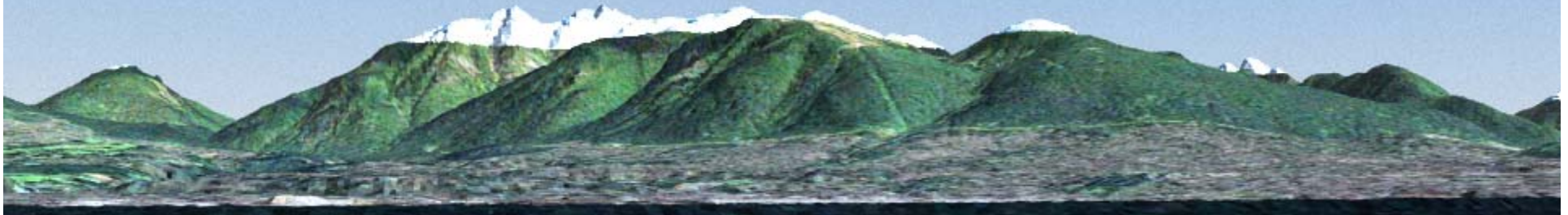


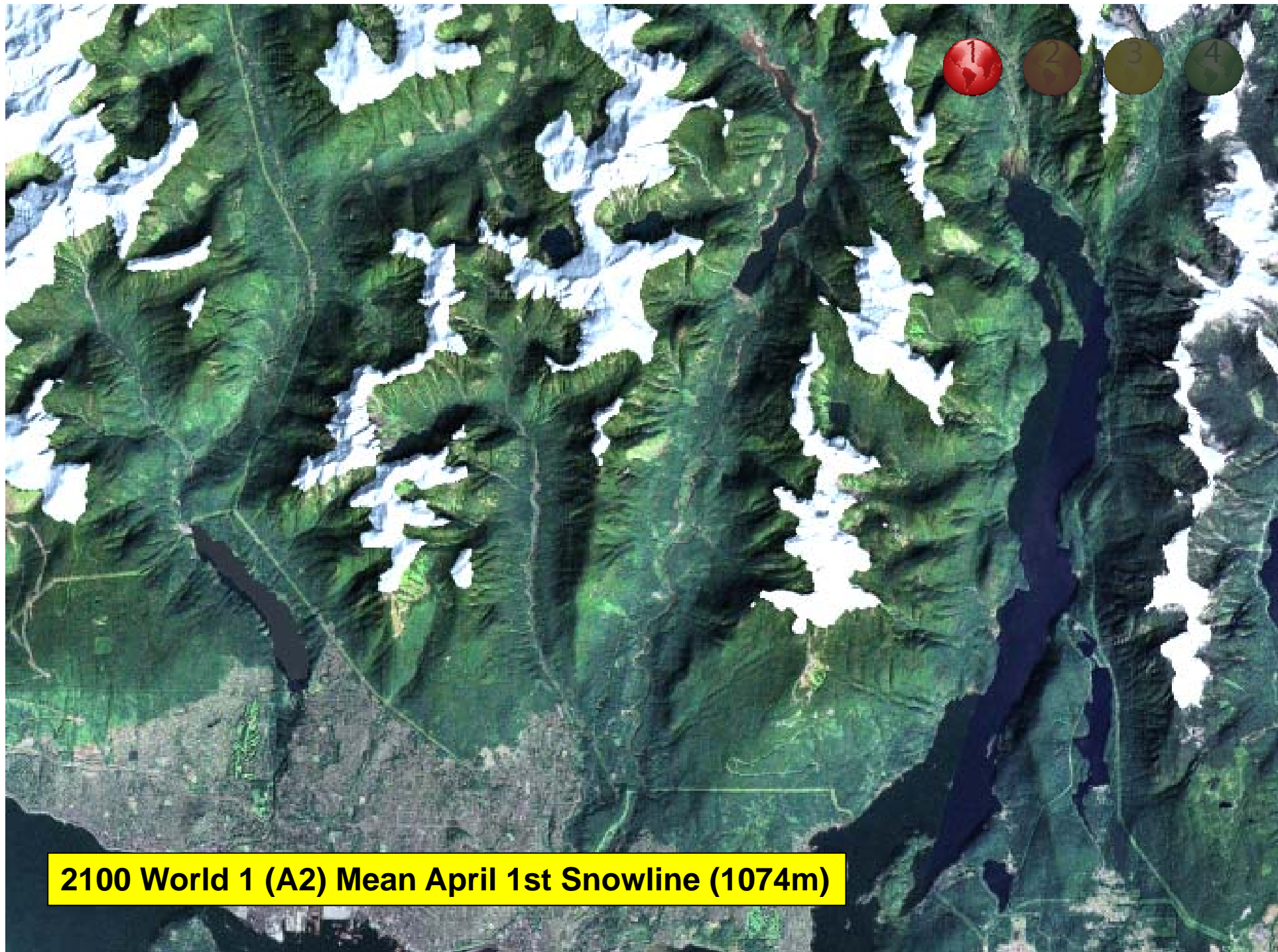
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District of North Vancouver; Average April 1st Snowline

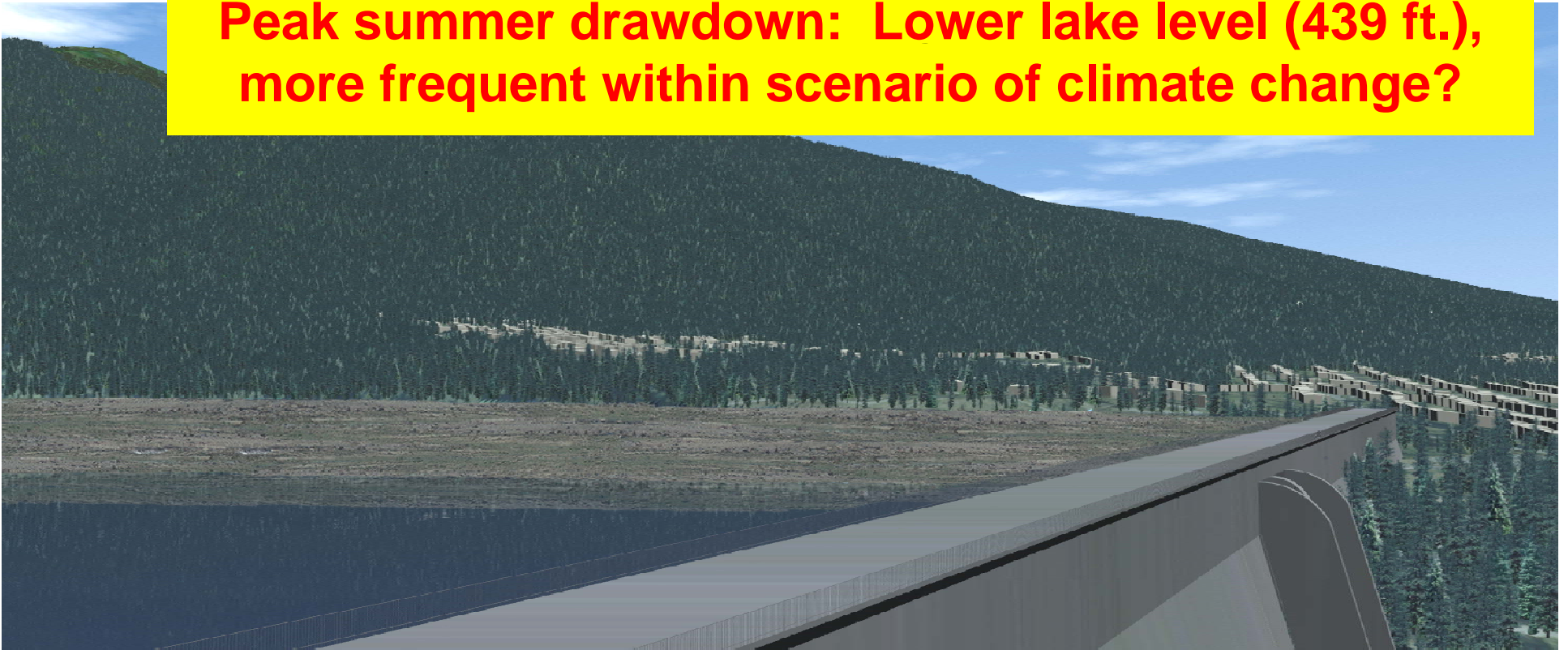
(Cohen et al., 2011; visualizations constructed
2007-08 by UBC – CALP)





Capilano Reservoir Water Storage

Peak summer drawdown: Lower lake level (439 ft.), more frequent within scenario of climate change?



Metro Vancouver is expanding reservoir storage and water treatment...



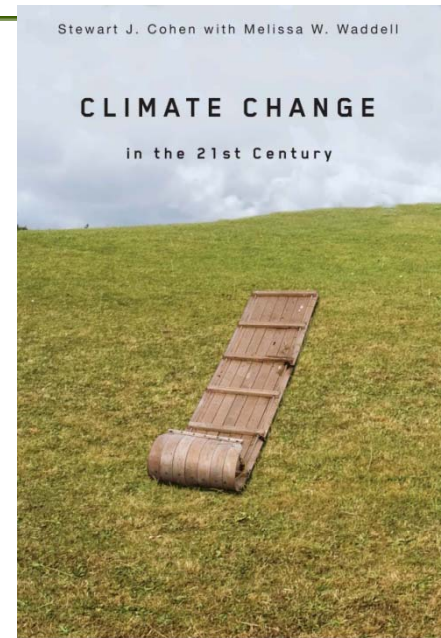
Planned expansion of water storage and treatment by Metro Vancouver

<http://www.metrovancouver.org/services>



Conclusion

- **Vulnerability-first & scenario-first approaches offer different choreographies**
- **Different entry points for climate information/service in methods/tools currently in use**
 - models, visualization, dialogue
- **Shared learning -- an important opportunity for *practitioner (and decision-maker) ownership of research outcomes***
- **Climate service will need to be flexible, as it serves various roles depending on the user, and the objectives of the user's project or program**



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