



Annotated Bibliography

CIP Climate Change Committee, Executive summary of all issues

Annotated Bibliography (All issues):

Title of Annotated Bibliography	Issue	Date of release	Short description
<i>The super wicked problem of climate change</i>	Issue 1	2017-09-18	As a wicked problem, planning for climate change must manage complexity, rapidly changing characteristics, multi-sectoral impacts, and short response times. Embracing the complexity of the issue is fundamental to successful resolutions. Simplification of the issues will confound progress and foster the perception of win/lose outcomes rather than an ongoing balance of trade-offs. Finding common values between various groups is essential to creating buy-in.
<i>Legislation in a changing climate</i>	Issue 2	2017-10-16	Legislation related to climate change is changing and will continue to change. At the same it will define the ability of planners to address complex and rapidly changing problems, requiring the profession to balance the pressures of immediate needs related to reducing greenhouse gas emissions, with the long-term challenge of facilitating transformative change in our communities.
<i>Managing the complexity of climate change through planning</i>	Issue 3	2017-11-15	Complexity is a key characteristic of wicked problems. This complexity inhibits effective policy development by introducing uncertainty in different forms throughout the planning process. Flexible outcomes that supports long-range planning goals and reflects different scales can occur through iterative and participatory processes focusing on “no-regret” outcomes.
<i>Incremental Implementation Strategies for Taking Action on Climate Change</i>	Issue 4	2017-12-12	Incremental implementation strategies can offset some of the complexity of planning for climate change but are challenging in and of themselves. Such approaches require multiple viewpoints at multiple scales. Implementation requires a corporate culture open to risk. Continued dialogue is required to cultivate a sharing of information and to navigate disagreement over the long-term implications of such strategies.
<i>Pathways to Action: Mitigation</i>	Issue 5	2018-02-14	Mitigation solutions are situation specific, drawing on any aspect of a community, including its parks and open spaces, its commercial and industrial zones, and its transportation networks. Such solutions are indisputably linked to land-use planning and policy at all levels of government and are typically driven by aspirational or performance-based targets.
<i>Pathways to Action: Adaptation</i>	Issue 6	2018-06-20	Adaptation theory changes rapidly, is technically complex, subject to specialization, while at the same time affects all aspects of urban and rural communities at multiple and inter-related scales. Planners need to be mindful of competing interests that influence the development of adaptation policy. Trade-offs will and do occur in developing adaptation policy that addresses immediate community needs while attempting to foster transformative change. Evaluating these trade-offs at the outset of adaptation planning can improve the implementation of adaptive policies.



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For adaptation resources and climate change information:

- Adaptation Planning (Natural Resources Canada): <https://www.nrcan.gc.ca/environment/resources/publications/impacts-adaptation/tools-guides/11080>.
- The ECONOADAPT Toolbox (European Union): <https://econadapt-toolbox.eu/>.
- Climate Change Planning Tools for First Nations (CIER): <http://www.yourcier.org/climate-change-planning-tools-for-first-nations-guidebooks-2006.html>.
- Canadian Institute of Planners Climate Change Resources (CIP): <https://cip-icu.ca/ClimateChange#>.
- Adaptation Library: Resources for Climate Change Adaptation (Natural Resources Canada): <http://www.adaptationlibrary.ca/#/options/>.

This annotated bibliography is intended to provide an introduction to the subject area and further exploration by the reader. It is not intended to be comprehensive. We have also focused solely on open source resources to ensure the referenced resources can be accessed by a broad audience. That said, we are interested in your feedback! If you have additional resources or themes you would like us to explore, please let us know through the Canadian Institute of Planners.

The Climate Change Committee is a volunteer committee established by the Canadian Institute of Planners to provide current, cutting edge guidance and direction on how to address the impacts of climate change on our communities and within the professional practice of members.