

PART 1

1a. Personal details				
Full name	<i>Title</i>	<i>First name</i>	<i>Second name(s)</i>	<i>Family name</i>
		Roger	Brian	Street
Present position	<ul style="list-style-type: none"> • Associate Fellow (Nov 2008 –), Green Templeton College, University of Oxford • Adjunct Research Fellow (Sep 2011 –), Griffith University, Australia • Adjunct (Jun 2016 –), University of Waterloo, Canada 			
Organisation/Employer	Green Templeton College, University of Oxford			
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1b. Academic qualifications

1979 MSc Physics (Meteorology), University of Toronto
 1974 BSc Physics and Mathematics (Honours), University of Guelph

1c. Professional positions held

2018-Jan 2022 Research Associate, Environmental Change Institute, University of Oxford
 2019-2020 Distinguished Visiting Fellow, CSIRO, Australia August
 2008-present Associate Fellow (Green Templeton College, University of Oxford
 2011-present Adjunct Research Fellow, Griffith University, Australia
 2016-present Adjunct, University of Waterloo, Canada
 2012-2016 Director, Adaptation Science UKCIP, University of Oxford, UK
 2006-2012 Technical Director, Adaptation Science UKCIP
 (www.ukcip.org.uk),
 Environmental Change Institute, University of Oxford, UK
 2012-2013 Living With Environmental Change Climate Adaptation Fellow,
 UKCIP, University of Oxford
 1974-2005 Number of posts held within Environment Canada, with a primary focus on climate, climate impacts and adaptation.

1d. Present research/professional speciality

Climate services, adaptation platforms, adaptation, vulnerability and risk assessment

1e. Total years research experience

42 years

1f. Professional distinctions and memberships (including honours, prizes, scholarships, boards or governance roles, etc)

125th Anniversary of the Confederation of Canada Medal 1992 – Awarded for significant contribution to Canada as a result of contributions made to the UN Conference on Environment and Development

1g. Total number of peer reviewed publications and patents	Journal articles	Books	Book chapters, books edited	Conference proceedings	Patents
	15	2	2	1	

PART 2**2a. Research publications and dissemination**

Peer-reviewed journal articles

- Street, R.**, Alterio, I., Hewitt, C., Golding, N., New, S., and Mysiak, J., 2022 Enabling climate action: Messages from ECCA2021 calling for re-imagining the provision and use of knowledge and information. *Climate Risk Management*, Vol. 36
<https://doi.org/10.1016/j.crm.2022.100428>
- Stafford-Smith, M., Rissik, D., **Street, R.**, Lin, B., Doerr, V., Webb, R., Andrew, L., and Wise, R.M. 2022 Climate change adaptation guidance: Clarifying three modes of planning and implementation, *Climate Risk Management*, Vol. 35
<https://doi.org/10.1016/j.crm.2021.100392>
- Street, R.**, Pringle, P., Capela Lourenço, T., and Nicollelli, M., (2018) Transferability of decision-support tools, *Climatic Change*, Special Issue on Decision-Support tools for Climate Change Adaptation pp1-16 <https://link.springer.com/article/10.1007/s10584-018-2263-6>
- Palutikof, J.P., **Street, R.B.**, and Gardiner, E.P., (2019) Decision support platforms for climate change adaptation: An overview and introduction, *Climatic Change*, Vol. 153, Issue 4 pp 459-476
- Palutikof, J.P., **Street, R.B.**, and Gardiner, E.P., (2019) Looking to the future: Guidelines for decision support as adaptation practice matures, *Climatic Change*, Vol.153, Issue 4 pp643-655
- Street, R.**, and Jude, S. (2019) Enhancing the value of adaptation reporting as a driver for action: Lessons from the UK. *Climate Policy*, pp1340-1350.
<https://doi.org/10.1080/14693062.2019.1652141>
- Street, R.**, Buontempo, C., Mysiak, J., Karali, E., Pulquério, M., Murray, V., and Swart, R., (2019) How could climate services support Disaster Risk Reduction in the 21st century, *International Journal of DRR*, Vol 34, pp. 28-33.
<https://doi.org/10.1016/j.ijdr.2018.12.001>
- Opitz-Stapleton, S., **Street, R.**, Ye, Qian, Han, Jiarui, and Hewitt, C. (2020) Translational Science for Climate Services: Mapping and understanding Users' Climate Service Needs in CSSS-China, *Journal of Meteorological Research*
- Griggs, D., Stafford-Smith, M., Warrilow, D., **Street, R.**, Vera, C., Scobie, M., and Sokona, Y. (2020) Use of weather and climate information essential for SDG implementation. *Nat Rev Earth Environ*. <https://doi.org/10.1038/s43017-020-00126-8>
- White, C., Carlsen, H., Robertson, A., Klein, R., Lazo, J., Kumar, A., Vitart, F., Coughlan de Perez, E., Ray, A., Murray, V., Bharwani, S., MacLeod, D., James, R., Fleming, L., Morse, A., Eggen, B., Graham, R., Kjellstrom, E., Becker, E., Pegion, K., Holbrook, N., McEvoy, D., Depledge, M., Perkins-Kirkpatrick, S., Brown, T., **Street, R.**, Jones, L., Remenyi, T., Hodgson-Johnston, I., Buontempo, C., Lamb, R., Meinke, H., Arheimer, B. and Zebiak, S. (2017) Potential applications of subseasonal-to-seasonal (S2S) predictions. *Meteorological Applications* 24:315-325.
- Lourenco, T.C., Swart, R., Goosen, H. and **Street, R.** (2015) The rise of demand-driven climate services. *Nature Climate Change* 6:13-14.
- Street, R.B.** (2015) Towards a leading role on climate services in Europe: A research and innovation roadmap. *Climate Services* 1:2-5.
- Hall, J., Henriques, J., Hickford, A., Nicholls, R., Baruah, P., Birkin, M., Chaudry, M., Curtis, T., Eyre, N., Jones, C., Kilsby, C., Leathard, A., Lorenz, A., Malleon, N., McLeod, F., Powrie, W., Preston, J., Rai, N., **Street, R.**, Stringfellow, A., Thoung, C., Tyler, P., Velykiene, R., Watson, G. and Watson, J. (2014) Assessing the Long-Term Performance of Cross-Sectoral Strategies for National Infrastructure. *Journal of Infrastructure Systems*, 20(3).
- Hall, J.W., Watts, G., Keil, M., de Vial, L., **Street, R.**, Conlan, K., O'Connell, P.E., Beven, K.J. and Kilsby, C.G. (2012) Towards risk-based water resources planning in England Wales under a changing climate. *Water and Environment Journal*, 26(1): 118-129.

Gawith, M., **Street, R.**, Westaway, R. and Steynor, A. (2008) Application of the UKCIP02 climate change scenarios: reflections and lessons learnt. *Global Environmental Change*, 19(1):113-121.

Peer reviewed books

UKCIP and Cooper, I (2016) *Lessons from Coordinating a Knowledge Exchange Network*, ISBN 978-1-906360-13-9

Lourenco, T.C., Rovisco, A., Groot, A., Nilsson, C., Fussel, H-M., and **Street, R.B.** (eds.), 2014, *Adapting to an Uncertain Climate: Lessons from practice*, Springer, pp182.

Peer reviewed book chapters, books edited

Lead Author chapter 8 (Cross-cutting issues): *UK Climate Change Risk Assessment 2017 Evidence Report*, (2016), <https://www.theccc.org.uk/uk-climate-change-risk-assessment-2017>.

Lead Author, chapter 1 (Climate change adaptation planning to policy): *Climate Risk and Resilience in China*, 2016, ISBN 978-1-138-81884-2.

Refereed conference proceedings

Tiago Capela Lourenço, Ana Rovisco, Annemarie Groot, Leendert van Bree, Roger Street, Pedro Garrett and Filipe Duarte Santos, (2013) Making adaptation decisions: the far end of the uncertainty cascade, *Impacts World 2013*, International Conference on Climate Change Effects, Postdam, May 27-30

Other forms of dissemination (reports for clients, technical reports, popular press, etc)

Street, R.B., Barrott, J., Gault, J., O'Dwyer, B. and van Nieuwaal, K. 2021. Stepping up knowledge exchange between Climate Adaptation Platforms: Synthesis report from the KE4CAP project. Oxford: University of Oxford.

Palutikof, J., **Street, R.**, and Gardiner, N.(Ed.), (2019) Special Issue: Decision support tools for climate change adaptation, *Climatic Change* Vol 153, Issue 4, <https://link.springer.com/journal/10584/153/4> .

Expert Group member and rapporteur: *A European Research and Innovation Roadmap for Climate Services*, (2015) EC DG Research and Innovation, doi:10.2777/750202

Lonsdale, K; Pringle, P; **Street, R.**; Turner, B. (eds); *Transformational adaptation - Stakeholder Workshop Summary Report*, (2015) <http://www.ukcip.org.uk/creative-adaptation/transformational-adaptation/>

2b. Previous research work

Research title: PI: Stepping up knowledge exchange between Climate Adaptation Platforms (KE4CAP) (€328.5K 2020-2022)

Principle outcome: International knowledge exchange network engaging national and transnational Climate Adaptation Platforms in developing and improving their roles in supporting climate action.

Principal end-user and contact: European Commission, www.weadapt.org/knowledge-base/climate-change-adaptation-knowledge-platforms

Research title: PI: Adaptation and Resilience in the Context of Change network (£1.2m, 2014-2018)

Principal outcome: Enhanced collaboration between researchers and between researchers, policy makers and practitioners on enhancing adaptation and resilience of UK infrastructure

Principal end-user and contact: <http://www.arcc-network.org.uk/>

Research title: Adaptation and Resilience in a Changing Climate network (£800k, 2009-2013)

Principal outcome: ARCC network activities focussed on synthesising information and evidence from across research projects and facilitating dialogue between the academic

community and stakeholders to access expertise on both sides. This ensured the delivery of relevant and timely outputs for use by a wide range of policymakers (local, regional, national) and practitioners (industry, business). The ARCC network has helped provide evidence for central and local government initiatives including integrated network input to the Climate Change Risk Assessment, the National Adaptation Programme, the Green Deal and Climate Ready programme.

Principal end-user and contact EPSRC (UK)

Research title: Co-I: Joint Programming Initiative 'Connecting Climate Knowledge for Europe' Coordination and Support Action, (£120k for WG2 climate services and WG5 stakeholder engagement, 2013-2016)

Principal outcome: Supporting the development of the JPI Climate into a viable, mature and sustained joint research effort. The CSA enabled JPI Climate to achieve a competitive advantage for Europe by improving the knowledge base for climate action, informing ongoing international negotiations and enhancing decision-making capacities on various levels with regards to climate change.

Principal end-user and contact <http://www.jpi-climate.eu/>

2c. Describe the commercial, social or environmental impact of your previous research work

The following highlights aspects of my career that relate to adaptation, vulnerability and risk assessment, including in the context of supporting assessments at the national level and within sectors, and in the development and use of climate data and information to support those assessments.

- KE4CAP initiated and facilitated a series of knowledge-exchange activities bringing together over 200 international CAP developers, operators, and specialists to support each other and to share insights, ideas, and know-how to help meet current and emerging challenges. In doing so, KE4CAP achieved practical benefits with the climate adaptation sphere by helping to inspire greater ambition among CAPs around the world and by enabling platform operators, developers and managers from different backgrounds and contexts and providing opportunities to connect with, support and learn from one another. These benefits were the result of strengthened collaboration and cooperation between CAPs which helped improve and accelerate the generation, accessibility and relevance of climate knowledge and platforms' capacities to support adaptation planning and implementation.
- UKCIP bridges science and practice through engaging the science community, policymakers and practitioners (public, private and third sectors) in the context of enhancing knowledge exchange, translation and mobilisation to support adaptation decision-making. This engagement has resulted in the provision of risk and adaptation decision-making tools, resources and other guidance based on emerging and evolving sciences (climate, impacts, vulnerability, risk and adaptation) and an understanding of users' needs and capacities.
- Working within the UK-based Infrastructure Operators' Adaptation Forum where efforts have focused on engaging researchers, policymakers, regulators and practitioners within the different infrastructure sectors (energy, transport, water, ICT and waste) to explore adaptation and resilience in the context of climate change. A primary focus of the associated science-policy dialogues has explored the interdependencies within and across the water, energy and transport sectors.
- UK Water Industry Research Adaptation Framework (2012). Updating the Water UK Adaptation Framework (supportive guidance and tools) to guide/support the water companies in adaptation planning and delivery with a particular emphasis on exploring, understanding and communicating impacts and risks, including interdependencies,

adaptive capacity and enablers/barriers, as well as overall technical advice on the nature, scope and use of the framework.

- Working in China within the Adapting to Climate Change in China project to support and guide efforts related to undertaking vulnerability, risk and adaptation assessments at the provincial level to support their provincial planning process including the co-authoring of the ACCC Resource targeting policy makers in China and other countries (supporting south-south learning from the ACCC experience). This activity in China is continuing with a second phase (2015-2017) that will work with five provinces to develop their adaptation plans and provide guidance and best practice recommendations that can be shared across China and with other developing countries.
- Supported the UK's first CCRA as expert advisor throughout the commissioning and delivery of the evidence report and the Economics of Climate Risk project (2010 -2012). Led the Canada Country Study, Canada's first national assessment and an *ex-officio* member of the synthesis team for the USA first national assessment. Lead contributing author on the cross-cutting risks chapter of the UK's second CCRA evidence report (published July 2016) looking at the implications of interdependencies within systems that affect risks and opportunities, and the identification and implementation of adaptation options.

2d. Demonstration of relationships with end-users

- Working with different stakeholders (private sector companies, water companies, catchment managers, public organisations) within the UK on the identification and appraisal of adaptation options in response to identified risks and on the monitoring and evaluating those options implemented. These efforts were based on earlier work with stakeholders to provide guidance on identifying adaptation options and some ongoing work with the public and private sector in the UK, China and Brazil on developing guidance on adaptation appraisal.
- Worked with CIRCLE-2 (ERANET) as a member of its Advisory Board, and as an expert contributor leading initiatives related to national adaptation strategies, the role of uncertainties in decisions making, climate adaptation services and web-based adaptation platforms (2010-2014). These included authoring and reviewing policy briefs and a book chapter (role of uncertainty in decision making).
- The development and delivery of UKCP09 as information to inform adaptation (2007-2012). This included: identifying users' needs and capabilities relative to the science; informing the development of the delivery and presentation of that information (including through a user interface) and of supportive materials (tools to access and process the data), guidance, alternative formats of the information (e.g., maps, images, headline messages, key findings). Member of the UKCP18 non-Government Users' Group supporting the development of the next generation of climate projections for the UK. All with the aim of meeting the evolving needs of the users in the context of supporting decision making.
- Understanding users' needs for climate and other information to support adaptation decision-making across the UK as part the LWECC Climate (Adaptation) Fellowship activities and the UK contribution to JPI-Climate. Included contributing to the development of guidance to support the engagement of users, providers and purveyors of climate services in the development of those services and the growing of the associated market.
- For Adaptation to Climate Change in China (ACCC) Phase I, worked with the China Meteorological Administration and other researchers to develop climate services (data and information) to support impacts, vulnerability and adaptation assessments. Currently, an expert contributor on the development of translational science for climate

services of the Climate Science for Service Partnership (China–UK Met Office). Working with partners in China to build the capacity of users and providers of climate services, to test process-oriented mechanisms to facilitate efforts to mainstream climate resilience into socio-economic planning, and to identify best practice guidelines for working collaboratively with users of climate services. Focussed on water resource management.