



Oxford India Centre for Sustainable Development Newsletter - June 2018

Welcome to the first edition of the Oxford India Centre for Sustainable Development newsletter.

We foster research on a core set of themes through multi-disciplinary approaches, translate academic ideas to inform policy-relevant actions in India, and support exceptional Indian scholars to study at Oxford.

Collectively, we aim to build a hub for research on India and sustainable development at the University and beyond.

Who we are:

Our research director is [Radhika Khosla](#), an environmental scientist who has worked in India and the US. The Rt. Hon. [Patricia Hewitt](#), former Health Secretary and until recently chair of the UK India Business Council, is chair of our advisory board.

[Vivek Nanda](#), a renowned urbanist, is the centre's executive director and has steered the creation of a new strategy for the centre.

We work closely with [Siddharth Arora](#), an Early Career Fellow at Somerville College, where the centre is based.

Our scholars are [Gabriella D'Cruz](#), an Indira Gandhi scholar studying for an MSc Biodiversity conservation and management; [Safa Fanaian](#), an Indira Gandhi scholar studying for a DPhil Water Science policy management; [Navya Jannu](#), HSA Advocates Award scholar studying for an MPhil in Law; [Narendra Killada](#), an Indira Gandhi scholar studying for a DPhil in Geography and the Environment; [Deepa Kurup](#), an Indira Gandhi scholar studying for a DPhil in International Development; [Shivani Malik](#), an Indira Gandhi scholar studying for a DPhil in Plant Sciences; [Shreya Prakash](#),

Ratanshaw Bomanji Zaiwalla scholar studying for a Bachelor in Civil Law; [Ranu Sinha](#), an Indira Gandhi scholar studying for a DPhil Water Science policy management; [Vaanathi Sundaresan](#), Prem Suki scholar studying for a DPhil Biomedical Imaging; and [Aradhana Vadakkethil](#), Cornelia Sorabji scholar studying for a Bachelor in Civil Law.



Our research:

Over the next two decades, India's cities will expand dramatically in size. This transition will have immense implications for energy usage.

Under Dr Khosla, the relationship between energy usage and climate change in Indian cities will be one of the centre's core areas of focus.

The debate on climate change mitigation has largely focused on energy supply, but Dr Khosla's research shines the spotlight on demand-side solutions. In a recent [paper](#) for *Nature Climate Change*, Dr Khosla and others proposed an interdisciplinary approach to demand-side solutions for mitigating the effects of climate change, which included characterising patterns of demand and identifying policy solutions.

Dr Khosla also contributed to a [paper](#) in *Current Opinion in Environmental Sustainability*, which found that research on demand-side options for tackling climate change in cities remains overlooked. These options include congestion and parking policies.

In an [opinion piece](#) for the Indian business news website Livemint, Dr Khosla argued that the changing nature of India's energy sector cannot be managed unless attention is turned to how energy is actually used.



Healthcare innovation is also a core focus for the OICSD. Dr Arora has published [research](#) in *Physiological Measurement* focusing on the analysis of finger tapping and memory tests collected via smartphones to quantify motor impairment in Parkinson's disease and remotely track the progression of disease severity.

Dr Arora's [work](#) on energy modelling has been published in the *European Journal of Operational Research*, focusing on forecasting national electricity demand.

Navya Jannu co-authored a chapter in the [Handbook of Research on Multicultural Perspectives on Gender and Aging](#).

Aradhana Vadakkethil has published blogs on legal issues, a crosscutting theme for the Centre. In one, she [explores](#) the decriminalisation of homosexuality, and in another she [looks at](#) the question of whether, in the light of a recent Supreme Court decision, a husband's consent is still needed for an abortion.

Recent OICSD Publications:

Creutzig, F., Roy, J., Lamb, W., Azevedo, I., de Bruin, W., Dalkmann, H., Edelenbosch, O., Geels, F., Grubler, A., Hepburn, C., Hertwich, E., **Khosla, R.**,

Mattauch, L., Minx, J.,
Ramakrishnan, A., Rao, N., Steinberger, J., Tavoni, M., Ürge-Vorsatz D., & Weber, E.,
2018.

[Towards demand-side solutions for mitigating climate change](#), *Nature Climate Change*,
Vol 8, pp 268-271.

Lamb, W.F., Callaghan, M.W., Creutzig, F., **Khosla, R.** and Minx, J.C., 2018. [The literature landscape on 1.5 °C climate change and cities](#). *Current Opinion in Environmental Sustainability*,
30, pp.26-34.

Cohen, B., Blanco, H., Dubash, N., Dukkupati, D., **Khosla, R.**, Scricciu, S., Stewart, T.,
& Torres-Gunfaus, M., 2018. [Multi-criteria decision analysis in policy-making for climate mitigation and development](#), *Climate and Development*.

Arora, S., Taylor, JW, 2018. [Rule-based autoregressive moving average models for forecasting load on special days: A case study for France](#), *European Journal of Operational Research* 266
(1), 259-268.

Prince, J., **Arora, S.**, de Vos, M., 2018. [Big data in Parkinson's disease: using smartphones to remotely detect longitudinal disease phenotypes](#), *Physiological measurement* 39 (4), 044005.

Khosla, R. 2018. A View of Energy Use from India's Buildings, [Urban Planet: Knowledge towards Sustainable Cities](#), eds. Elmqvist et al., Cambridge University Press.

Khosla, R. and Chunekar, A., 2018. [The journey towards energy savings begins from home](#), LiveMint.

Jagota, A., **Jannu, N.**, and Boro S., 'The Interplay of Biological and Socio Environmental Factors in Ageing and Disorders in Women' in Rekha Pande and Theo van der Weide (eds.) [Handbook of Research on Multicultural Perspectives on Gender and Aging](#)

Vadakkethil, A., 2018. [Decriminalising homosexuality in India: The Long, Twisted Road of Section 377](#), Oxford Human Rights Hub Blog.

Vadakkethil, A., 2018. [Is Consent of the Husband needed for an Abortion in India?](#), Oxford Human Rights Hub Blog.

Recent Events



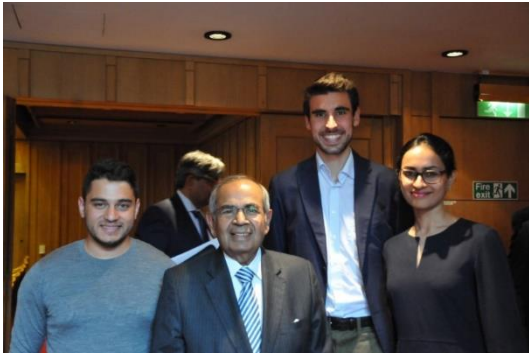
The future of UK India Relations

A discussion on future relations between India and the UK in a post-Brexit world. Panellists included Jan Royall, Principal of Somerville College, and Dinesh Patnaik, India's High Commissioner to the UK.

Hunger and Malnutrition in the UK

A panel event with the Akshaya Patra Foundation UK looking at global lessons for tackling hunger in the UK. Speakers included Bhawani Singh Shekhawat, CEO, Akshaya Patra Foundation UK; Dr. Anant Jani, Honorary Research Fellow, University of Oxford; Michael Moses CEO, Donaco; and Yuvi Rana, Founder, OmNom London.





GP Hinduja on his life in business

GP Hinduja, co-chair of the finance and energy conglomerate Hinduja Group, spoke about his life in business.

UK-India science collaboration

The OICSD and Somerville College hosted a dinner as part of the 'UK-India Science meeting on Emerging Materials' held in the Department of Chemistry in association with the ISIS Neutron and Muon Source and Diamond Light Source, UK. Speakers discussed current research on new materials and how UK and India-based scientists can work more closely together.



Roundtable with Ms. Maimunah Mohd Sharif

Sharif, Executive Director, UN-Habitat, on inclusive urbanization, chaired by Dr Khosla.



Book Launch: "Dignity in the Legal and Political Philosophy of Ronald Dworkin"

Somerville College and the OICSD hosted a high-level event for the book release of "Dignity in the Legal and Political Philosophy of Ronald Dworkin" in June 2018. Panellists included Salman Khurshid; Abhishek Manu Singhvi; Hon Dr Justice A.K. Sikri, Judge, Supreme Court of India; Professor Timothy Endicott, Faculty of Law. Moderated by Jan Royall, Principal of Somerville College.



Oxford student team head to India

A team of four Oxford students, including Somervillian Gideon Laux, heads to India this summer to test a social enterprise model to provide clean energy to millions of people who are not reached by the power grid.

OICSD Summer Events

9 July 2018. *Summer Reception at the House of Lords: A celebration of ties between India and the UK.*

12 July 2018. *Special event with the Nekton team at the Natural History Museum, Oxford.*

Marine biology professor Alex Rogers will share his discoveries of over 100 new species and one of the largest new ecosystems found in decades

The OICSD is supported by a network of philanthropists in India and the UK, who have enabled us to double the number of postgraduate scholarships we offer. If you would like to support our mission of education and research that benefits India and the world, please contact our Director of Development Sara Kalim at: sara.kalim@some.ox.ac.uk

