

CURRICULUM VITAE

Name: **Navroz Kersi Dubash**
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Date of Birth: 20 February, 1967

Nationality: Indian

Languages: English, Hindi, basic French

PROFESSIONAL EXPERIENCE

Professor, Centre for Policy Research, New Delhi, India. July 2009 – present.
(Designation changed from ‘Senior Fellow’ to ‘Professor’ in 2018). Coordinate the Initiative on Climate Energy and Environment at CPR.

Associate Professor, Centre for the Study of Law and Governance, Jawaharlal Nehru University, New Delhi, India. July 2006 – July 2009.

IDFC Chair Professor of Governance and Public Policy, National Institute of Public Finance and Policy, New Delhi, India. November 2003 – July 2006.

Senior Associate, Institutions and Governance Program, World Resources Institute, Washington, DC, USA. August 1998 – Sept. 2003.

Visiting Professor, University of Maryland, Harrison Program on the Global Future (part-time). January 2002 – May 2002.
Developed and taught an upper level undergraduate seminar on “The Politics of Environmental Sustainability in the Developing World.”

Policy Analyst. Environmental Defense Fund, Washington, D.C., 1990-1992.
Established and coordinated the Climate Action Network, an international network of non-governmental research and action organizations.

EDUCATION

Ph.D. Energy and Resources, University of California, Berkeley, December 1998.

M.A. Energy and Resources, University of California, Berkeley, 1994.

A.B. Woodrow Wilson School of Public and International Affairs, Princeton University, *cum laude* 1990.

POLICY-RELATED ACTIVITIES

- **IPCC Chapter Lead Author (National Policies and Institutions), Working Group**

III, Intergovernmental Panel on Climate Change, Sixth Assessment Report.

- **Member**, Expert Committee on “Long Term Strategy for Low Carbon Development for India” Ministry of Environment, Forests, and Climate Change, February 2017 to present.
- **Member**, Technical Advisory Committee for India’s Third National Communications and Biennial Update Report to the UNFCCC
- **Member**, Committee to Draft a Renewable Energy Law, Ministry of New and Renewable Energy, Government of India, November 2015 – December 2016.
- **IPCC Lead Author, Working Group III and Member, Core Writing Team for the Synthesis Report**, Intergovernmental Panel on Climate Change, Fifth Assessment Report.
- **Member**, Expert Group for a Low Carbon Strategy for Inclusive Growth, Planning Commission, Government of India, January 2010 – June 2012.
- **Member**, Working Group on Power for Formulation of the 11th and 12th Five Year Plan Government of India, July – December 2006 (11th Plan) and May 2011 – present (12th Plan).
- **Member**, Expert Group to Review the Issue of Groundwater Ownership in India, Planning Commission, Government of India, November 2004 – March 2005.
- **Member**, Consultative Group on Water Resources, Planning Commission, Government of India, Mid-Term Appraisal of the 10th Five Year Plan, 2004.

ACADEMIC ACTIVITIES

- **Associate Editor**, *Climate Policy*
- **Member, Editorial Board**, *Global Environmental Politics*
- **Member, Editorial Board**, *Journal of Environment and Development*
- **Member, Editorial Board**, *Environmental Policy and Governance*
- **Member of Executive Committee**, Indian Society for Ecological Economics, 2006-2008.

RECENT AWARDS

- TN Khoshoo Memorial Award, 2015, awarded by Ashoka Trust for Research in Ecology and the Environment.
- S.R. Sen Award for Best Book in Agricultural Economics and Rural Development (India) for *Tubewell Capitalism: Groundwater Development and Agrarian Change in Gujarat*, OUP, 2002.

PUBLICATIONS

Books

Navroz K. Dubash and D. Narasimha Rao. 2007. *The Practice and Politics of Regulation: Regulatory Governance in Indian Electricity*. New Delhi: Macmillan.

Navroz K. Dubash. 2002. *Tubewell Capitalism: Groundwater Development and Agrarian*

Change in Gujarat. Delhi, India: Oxford University Press.
(Awarded SR Sen Prize, 2006, for best book in agricultural economics and rural development in India)

Edited Volumes and Collections

- Navroz K. Dubash, Sunila Kale and Ranjit Bharvirkar (eds.). forthcoming 2018. *Mapping Power: The Political Economy of Electricity in India's States*. New Delhi: Oxford University Press.
- Navroz K. Dubash and Bronwen Morgan (eds.). 2012. *The Rise of the Regulatory State of the South*. New York: Oxford University Press.
- Navroz K. Dubash (ed.). 2012. *A Handbook of Climate Change and India: Development, Politics, Governance*. London: Earthscan and New Delhi: OUP.
- Navroz K. Dubash and Ann Florini (eds.). 2011. Special issue on *Global Energy Governance*. *Global Policy*. Vol. 2, September.
- Navroz K. Dubash and Lavanya Rajamani (eds.), 2010. *Beyond Copenhagen*. A Special issue of *Climate Policy*. Vol. 10, Issue 6.
- Navroz K. Dubash and Daljit Singh (eds.). 2005. *What does Global Experience with Electricity Restructuring Mean for India?* Special issue of *Economic and Political Weekly*. December 10-16.
- Jim Williams and Navroz K. Dubash (eds.). 2004. *The Political Economy of Electricity Reform in Asia*. Special issue of *Pacific Affairs* vol. 77, Issue 3, Fall 2004.
- Navroz K. Dubash (ed.) 2002. *Power Politics: Equity and Environment in Electricity Reform*. Washington D.C.: World Resources Institute.
- Seymour, Frances and Navroz K. Dubash (eds.). 2000. *The Right Conditions: The World Bank, Structural Adjustment and Forest Policy Reform*. Washington D.C.: World Resources Institute.

Journal Articles

- Navroz K. Dubash, Radhika Khosla, Ulka Kelkar and Sharachandra Lele, forthcoming 2018. "India and Climate Change: Evolving Ideas and Increasing Policy Engagement" *Annual Review of Environment and Resources*.
- Navroz K. Dubash, Radhika Khosla, Ankit Bhardwaj, and Narasimha D. Rao, 2018. "India's Energy and Emissions Future: An Interpretive Analysis," *Environmental Research Letters* 13 (7).
- Sivan Kartha, Tom Atanasiou, Simon Caney, Elizabeth Cripps, Kate Dooley, Peter Singer, Navroz K. Dubash et. al. Cascading biases against poorer countries. *Nature Climate Change* 8, 348–349.
- Sivan Kartha, Simon Caney, Navroz K. Dubash and Greg Muttit, 2018. "Whose Carbon is Burnable? Equity Considerations in the Allocation of a "Right to Extract?" *Climatic Change*.

- Gariella Iacabuto, Navroz K. Dubash, Prabhat Upadhyaya, and Niklas Hohne, 2018. "National Climate Change Mitigation Legislation, Strategy and Targets: A Global Update," *Climate Policy*.
- Brett Cohen, Hernán Blanco, Navroz K. Dubash, Srihari Dukkipati, Radhika Khosla, Serban Scricciu, Theodor Stewart & Marta Torres-Gunfaus. 2018. Multi-criteria decision analysis in policy-making for climate mitigation and development," *Climate and Development* (Published Online 5 Mar): DOI: 10.1080/17565529.2018.1445612
- Mark Vardy, Michael Oppenheimer, Navroz K. Dubash, Jessica O'Reilly and Dale Jamieson. 2017. "The Intergovernmental Panel on Climate Change: Challenges and Opportunities," *Annual Review of Environment and Resources*. 42:55-75.
- Dubash, Navroz K. 2017. "Trump's Toxic Announcement on Climate Change," *Economic and Political Weekly*, Vol. II, No. 24, pp. 14-17.
- Dubash, Navroz K. 2016. "Safeguarding development and limiting vulnerability: India's stakes in the Paris Agreement", *WIREs Climate Change*. doi:10.1002/wcc.444
- Dubash, Navroz K. and Radhika Khosla. 2016. "Recovering Key Strategic Concepts in India's Climate Policy", *Economic and Political Weekly*, Vol L, No 24, pp 127-129.
- Dubash, N.K and Radhika Khosla. 2015. "Neither Brake Nor Accelerator: Assessing India's Climate Contribution", *Economic and Political Weekly*, Vol L, No 42, pp 10-14
- Anu Jogesh and Navroz K. Dubash. 2015. "State-led experimentation or centrally-motivated replication? A study of state action plans on climate change in India." *Journal of Integrative Environmental Sciences*, Volume 12. Issue 4, 18 December.
- Dubash, N.K and Joseph, N.B (2016): "Evolution of Institutions for Climate Policy in India", *Economic and Political Weekly*, Vol LI no 3, pp 44-54.
- Khosla, Radhika, Srihari Dukkipati, Navroz K. Dubash and Ashok Sreenivas. 2015. "Towards Methodologies for Multiple Objective-Based Energy and Climate Policy", *Economic and Political Weekly*, Vol L, No 49, pp 49-59.
- von Stechow, C., D. McCollum, K. Riahi, J. C. Minx, E. Kriegler, D. P. van Vuuren, J. Jewell, C. Robledo, E. Hertwich, M. Tavoni, S. Mirasgedis, O. Lah, J. Roy, Y. Mulugetta, N. K. Dubash, J. Bollen, D. Ürge-Vorsatz, O. Edenhofer. 2015. Integrating global climate change mitigation goals with other sustainability objectives: a synthesis. *Annual Review of Environment and Resources*, 40: 363-394, 24 September 2015.
- Michel Betsill, Navroz K. Dubash, Mathew Paterson, Harro van Asselt, Antto Vihma and Harald Winkler. 2015. "Building Productive Linkages between the UNFCCC and the Broader Climate Finance Landscape," *Global Environmental Politics*, 15:2 (May).
- Harald Winkler and Navroz K. Dubash, 2015. "Who Determines Transformational Change in Development and Climate Finance?" *Climate Policy* (18 April).
- Navroz K. Dubash and Anu Jogesh. 2014. "From Margins to Mainstream: State Climate Change Planning in India," *Economic and Political Weekly*, XLIX, 48, (Nov. 29).
- Diane Urge-Vorsatz, Sergio Tirado Herrero, Navroz K. Dubash and Franck Lecocq. 2014. "Measuring the Co-Benefits of Climate Change Mitigation," *Annual Review of*

Environment and Resources (24 September).

- Navroz K. Dubash, Marc Fleurbaey, and Sivan Kartha. 2014. Political Implications of Data Presentation." *Science*. Vol. 345 Issue 6192 (4 July).
- Navroz K Dubash, Markus Hageman, Niklas Hohne, and Prabhat Upadhyay. 2013. "Developments in National Climate Change Legislation and Strategy," *Climate Policy*, Vo. 13, No. 6.
- Navroz K. Dubash, D. Raghunandan, Girish Sant and Ashok Sreenivas. 2013. "Indian Climate Change Policy: Exploring a Co-Benefits Approach," *Economic and Political Weekly* Vol. XLVIII No. 22.
- Navroz K. Dubash. 2013. "The Politics of Climate Change in India: Narratives of Equity and Co-benefits." *WIREs Climate Change* 4:191-201.
- Navroz K. Dubash and Bronwen Morgan 2012. "Understanding the Rise of the Regulatory State of the South. *Regulation and Governance*, Vol. 6, Issue 3 (September).
- Navroz K. Dubash. 2012. "Toward Inclusive and Locally Enabling Global Environmental Governance." *Journal of Environment and Development* 21(1): 48-51.
- Navroz K. Dubash. 2012. "Looking Beyond Durban: Where to from Here?" *Economic and Political Weekly*. January 21: 13-17.
- Navroz K. Dubash and Ann Florini. 2011."Conceptualizing Global Energy Governance" *Global Policy*. Vol. 2, September.
- Navroz K. Dubash. 2011. "From Norm-Taker to Norm-Maker? Indian Energy Governance in Global Context" *Global Policy*. Vol. 2, September.
- Navroz K. Dubash and Lavanya Rajamani. 2010. "Beyond Copenhagen". *Climate Policy*. Vol. 10, Issue 6, pp. 593-599.
- Navroz K. Dubash 2010. 'Reflections on the World Commission on Dams as a Mechanism of Global Governance', *Water Alternatives*, Volume 3 Issue 2, June 2010
- Sharachandra Lele, Navroz K. Dubash and Shantanu Dixit. 2010. "A Structure for Environmental Governance in India: A Perspective. *Economic and Political Weekly*. February 6. pp. 13-15.
- Navroz K. Dubash. 2009. Copenhagen: Climate of Mistrust. *Economic and Political Weekly*. December 26. pp. 8-11.
- Navroz K. Dubash. 2009. "Environmentalism in the Age of Climate Change." *Seminar*. September.
- Navroz K. Dubash. 2009. "Global Norms through Global Deliberation? Reflections on the World Commission on Dams." *Global Governance* Vol 15, No. 2 (April-June).
- Navroz K. Dubash and D. Narasimha Rao. 2008. "Regulatory Practice and Politics: Lessons from Independent Regulation in Indian Electricity." *Utilities Policy*. Vol 16, pp. 321-331.
- Navroz K. Dubash. 2008. "The Role of Independent Regulatory Agencies in Governance: A

- Brief Theoretical Review with Application to Electricity and Water in India,” *Economic and Political Weekly*. October 4, pp. 43-54.
- Navroz K. Dubash. 2007. “Inconvenient Truths Produce Hard Realities: Notes from Bali.” *Economic and Political Weekly*. December 29, pp. 31-37.
- Navroz K. Dubash. 2007. “The Electricity Groundwater Conundrum: Case for a Political Solution to a Political Problem.” *Economic and Political Weekly*. December 29, pp. 45-55.
- Navroz K. Dubash. 2006. “The New Regulatory Politics of Electricity in India: Embryonic Ground for Consumer Action.” *Journal of Consumer Policy*. Vol. 4, Issue 6, pp. 449-463.
- Navroz K. Dubash and Daljit Singh. 2005. “Of Rocks and Hard Places: A Critical Review of Recent Global Experience with Electricity Restructuring.” *Economic and Political Weekly*. December 10-16.
- Jim Williams and Navroz K. Dubash. 2004. “Asian Electricity Reform in Historical Perspective” *Pacific Affairs*, vol. 77, Issue 3, Fall 2004, pp. 411-436.
- Navroz K. Dubash. 2003. “Revisiting Electricity Reform: The Case for a Sustainable Development Approach.” *Utilities Policy*. (11), pp. 143-154.
- Kevin Baumert, Jake Werksman and Navroz K. Dubash. 2003. “Will International Investment Rules Obstruct Climate Protection Policies? An Examination of the Clean Development Mechanism.” *International Environmental Agreements: Politics, Law and Economics*. 3(1), pp. 59-86
- Navroz K. Dubash, Mairi Dupar, Smitu Kothari and Tundu Lissu. 2002. “A Watershed in Global Governance.” *Politics and the Life Sciences*. Vol. 21, No. 1 (March), pp. 42-62.
- Navroz K. Dubash. 2001. “The Public Benefits Agenda in Power Sector Reform.” *Energy for Sustainable Development*. Vol. V, No. 2 (June), pp. 5-14.
- Navroz K. Dubash and Sudhir Chella Rajan. 2001. “Power Politics: The Process of India’s Power Sector Reform.” *Economic and Political Weekly*. Vol. XXXVI No. 35, pp. 3367-3390.
- Navroz K. Dubash. 2000. “Ecologically and Socially Embedded Exchange: ‘Gujarat Model’ of Water Markets.” *Economic and Political Weekly*. Vol. XXXV No. 16, pp. 1376-1386.

Book Chapters

- Navroz K. Dubash and Shibani Ghosh. “Environment, Energy and Climate Change.” Forthcoming 2018. In Niraja Jayal (ed.) *Re-Forming India*. New Delhi: Penguin Random House
- Navroz K. Dubash. 2017. “New regulatory Institutions in Infrastructure: From De-politicization to Creative Politics.” In Devesh Kapur, Pratap Bhanu Mehta and Milan Vaishnav (eds.) *Rethinking Public Institutions in India*. New Delhi: Oxford University Press.

- Navroz K. Dubash. 2015. "Energy Transformation." In Simon Nicholson and Sikina Jinnah (eds.) *New Earth Politics*. Cambridge, MA: MIT Press.
- Navroz K. Dubash and Lavanya Rajamani. 2015. "Multilateral Diplomacy on Climate Change." In Srinath Raghavan, David M. Malone, and C. Raja Mohan (eds.) *Oxford Handbook on Indian Foreign Policy*.
- IPCC, 2014. 2014. *Climate Change 2014, Synthesis Report. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* [Core Writing Team, R.K. Pachauri and L.A. Meyer (eds.)]. IPCC, Geneva, Switzerland, 151 pp. [Navroz K. Dubash was a member of the Core Writing Team].
- Somanathan E., T. Sterner, T. Sugiyama, D. Chimanikire, N.K. Dubash, J. Essandoh-Yeddu, S. Fifita, L. Goulder, A. Jaffe, X. Labandeira, S. Managi, C. Mitchell, J.P. Montero, F. Teng, and T. Zyllicz, 2014: National and Sub-national Policies and Institutions. In: *Climate Change 2014: Mitigation of Climate Change. Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* [Edenhofer, O., R. Pichs-Madruga, Y. Sokona, E. Farahani, S. Kadner, K. Seyboth, A. Adler, I. Baum, S. Brunner, P. Eickemeier, B. Kriemann, J. Savolainen, S. Schlömer, C. von Stechow, T. Zwickel and J.C. Minx (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
- Navroz K. Dubash. 2012. "Of Maps and Compasses: India in Multilateral Climate Negotiations." In Sidhu, Waheguru Pal Singh, Pratap Bhanu Mehta and Bruce D. Jones (eds.) *Shaping the Emerging World India and the Multilateral Order*. Washington DC: Brookings Institution Press.
- Navroz K. Dubash. 2011. "The World Commission on Dams." In David Held and Thomas Hale (eds.) *Handbook of Transnational Governance: New Institutions and Innovation*. London: Polity Press.
- Navroz K. Dubash 2010. "The Local Politics of Groundwater in North Gujarat" in *Sociology and Anthropology of Economic Life I: The Moral Embedding of Economic Action*. Veena Das, and Ranendra K. Das (eds.). Oxford University Press. 136-161.
- Navroz K. Dubash. 2009. "Climate Politics in India: How Can the Industrialised World Bridge the Trust Deficit." In David Michel and Amit Pandya (eds.) *Indian Climate Policy: Choices and Challenges*. Washington DC: Henry L. Stimson Center.
- Navroz K. Dubash. 2009. "Climate Change and Development: A Bottom-Up Approach to Mitigation for Developing Countries?" in Richard Stewart, Benedict Kingsbury and Bryce Rudyk (eds.) *Climate Finance: Regulatory and Funding Strategies for Climate Change and Global Development*. New York: NYU Press.
- Navroz K. Dubash. 2007. "The Local Politics of Groundwater Development and Groundwater Markets in North Gujarat." In Amita Baviskar (ed.) *Waterscapes: The Cultural Politics of a Natural Resource*. New Delhi: Permanent Black.
- Navroz K. Dubash and Jim Williams. 2006. "The Political Economy of Electricity Liberalization" in John Byrne, Leigh Glover, and Noah Toly (eds.) *Transforming Power: Energy as a Social Project*. New Brunswick, NJ: Transaction Publishers.
- Navroz K. Dubash and Rob Bradley. 2005. Pathways to Rural Electrification in India: Are National Goals also an International Opportunity? In Rob Bradley and Kevin A. Baumert (eds.) *Growing in the Greenhouse: Protecting the Climate by Putting*

Development First. Washington DC: World Resources Institute.

Frances Seymour and Navroz Dubash. 2005. "Environmental Security as a Criterion for Decision-Making." In Robert Picciotto and Rachel Weaving (eds.) *Security and Development: Investing in Peace and Prosperity*. London: Routledge.

Albert Cho and Navroz K. Dubash. 2005. "Will Investment Rules Shrink Policy Space for Sustainable Development? Evidence from the Electricity Sector." In Kevin Gallagher (ed.) *Putting Development First: The Importance of Policy Space in the WTO and IFIs*. London: Zed Books.

Navroz K. Dubash and Robert Bradley (2005), "Rural Electrification: Light the Way", *The Hindu Survey of the Environment*, pp. 73-79.

Navroz K. Dubash. 2004. "Electric Power Reform: Social and Environmental Issues." *Encyclopedia of Energy*. Volume 2 Elsevier Press: 255-266.

Navroz K. Dubash. 2004. "Water, Markets, and Embedded Institutions in Western India." In Richard Peet and Michael Watts (eds.) *Liberation Ecologies: Environment, Development, Social Movements*. London: Routledge.

Navroz K. Dubash. 2002. "The Politics of Electric Power Restructuring in Developing Countries." In Martha Harriss (ed.), *Energy Market Restructuring and the Environment*. New York: University Press of America.

Navroz K. Dubash, Navroz K. 1994. "Commoditizing Carbon: Social and Environmental Implications of Joint Implementation." In P. Ghosh and J. Puri (eds.), *Joint Implementation of Climate Change Commitments: Opportunities and Apprehensions*. New Delhi: Tata Energy Research Institute.

Navroz K. Dubash and Michael Oppenheimer. 1992. "Modifying the Mandates of Existing Institutions: Non-Governmental Organizations" In Irving Mintzer (ed.), *Confronting Climate Change: Risks, Implications and Responses*. Cambridge: Cambridge Univ. Press.

Hajost, Scott A. and Navroz K. Dubash. 1990. "Report of Institutions, Non-Governmental Organizations: Environmental Defense Fund." In G. Handl (ed.) *Yearbook of International Environmental Law*. London: Graham and Trotman.

RECENT TALKS AND LECTURES

I have delivered a number of invited talks in recent years including:

International and national academic presentations at the Free University Berlin, Princeton University, Ashoka University, Aziz Premji University, South Asian University, International Institute for Applied Systems Analysis, University of Capetown, Stephens College-Delhi University, National University of Singapore, Mercator Institute Berlin, Earth Systems Governance, Tata Institute of Social Science, Ambedkar University, CEPT University, Nehru Memorial Library, National Institute of Advanced Studies and TERI University.

Invited lectures at training programmes for senior government officials at the Lal Bahadur Shastri National Academy of Administration, Indian Institute of Public Administration and International Center for Environment Audit and Sustainable Development.

Invited talks at seminars and lectures by other think tanks, donors and policy organizations

such as Observer Research Foundation, TERI, CII, FICCI, MacArthur Foundation and GIZ.

RESEARCH GRANTS (2009 – PRESENT)

Mac Arthur Foundation. 2016, INR 3,22,00,000 (USD480,700) over three years for the “Initiative on Climate Energy and Environment”

Oak Foundation, 2015, INR 293,00,000 over three years for the “Climate Initiative”

Climate and Development Knowledge Network. 2015, GBP 157,023 over 18 months for a collaborative project (CPR-IIASA-ERC) on “Robust Climate Compatible Development.”

IDRC, 2012, \$42,000 over two years for “Climate as Multilevel Governance”

Oak Foundation, 2012, INR 177,00,000 over three years for the “Climate Initiative”

IDRC, 2010, \$70,000 over 2 years for a project on “Regulatory State of the South.”

Ford Foundation, 2009, \$140,000 over 2.5 years for a project on “Climate Challenge in India.”