

PS 1.6

METRIC AND MEASUREMENT

| BACKGROUND

Evidence particularly in quantitative form is powerful in informing the scale of the health burden from mortality and morbidity DALYs as well as the estimated economic impacts of this on the health sector and wider society.

Providing quantitative evidence in economic figures enables translation of relative scales of challenge across sectors facilitating decision making on the allocations of resources across sectors by ministries of finance and within the health sectors by ministries of health.

Where it can be provided presenting evidence on the costs and benefits accruable from investments in climate adaptation, i.e. to show where in both the short and long term benefits outweigh the cost of investment, represent powerful advocacy and policy prioritization tools.

| OBJECTIVES

1. To review state of the arts on measuring and quantifying health and economic burdens from climate-related risks to human health, including consideration of linkages to bio-diversity loss and direct pollution, changes in vector ecology and infectious diseases epidemiology, hampering food production resulting in food and nutritional insecurity and impacts on human health.
2. To review options to further develop the evidence based and development of tools to estimate costs and net benefits from government investment in measures to support climate adaptation interventions to reduce climate-related health risks to populations.
3. Sharing LMIC experiences on climate adaptation interventions and how in practices on these tools and metrics can be applied.



Speaker

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I am currently the Executive President, The Centre for Bhutan and GNH Studies since 2008. I worked in the Planning Commission of Bhutan from 1989 to 1998. I joined the Centre for Bhutan and GNH Studies in 1998. I am currently member of several international boards and working groups including Advisory Board, Wellbeing Research Centre, University of Oxford; Member, Earth Trusteeship Working Group (ETWG) and Member; Global Happiness Council, UAE and World Happiness Report.

Education:

2017. Ph D, Graduate School of International Development, Nagoya University, Japan.

1986-1988 M. Phil in Economics. Department of Economics, University of Edinburgh, Scotland.

1983-1986 B.A. Hons. Politics, Philosophy and Economics. Magdalen College, University of Oxford, UK.

Research interests: Development policies, GNH, wellbeing, policy indicators, Buddhist iconographic painting, designs.

Selected publications :

Books

1. Ura, K. (2022). The Unremembered Nation – Bhutan, Community and Livelihood, Vol. 1 Oxford: OUP (forthcoming in September 2022)
2. Ura, K. (2022). The Unremembered Nation – Bhutan, Art and Ideals, Vol 2. Oxford: OUP (forthcoming in September 2022)
3. Ura, K. (1995). The hero with a thousand Eyes: A historical novel. Thimphu: Karma Ura.
4. Ura, K. (2019). Karma Ura. IN A Mearman, S. Berger, & D Guizza (Eds.). What is heterodox economics? Conversation with leading economists (pp. 82-93). Routledge.
5. Ura, K. (2016). Longchen's forests of poetry and rivers of composition: Introduction and translation of "The illuminating map - titled as forest park of flower garden - of Bumthang, the divine hidden land" by Longchen Ramjam (1308-1363). Thimphu: Centre for Bhutan and GNH Studies.
6. Ura, K, Alkire, S., Tshoki Zangmo, & Karma Wangdi. (2012). An extensive Analysis of GNH. Thimphu: Centre for Bhutan Studies & GNH Research.
7. Ura, K & Jigme Thinley (Trans). (2020) Discourse on the legal decree of Precious Palden Drukpa, victorious in all directions. Thimphu: Centre for Bhutan & GNH Studies.

Book Chapters

8. Ura, K. (2016). Gross National Happiness, values education and schooling for sustainability in Bhutan. In Gorana, R. N. & Kanaujia, P. R. (Eds.), Reorienting educational efforts for sustainable development: Experiences from South Asia, pp. 71-88. Netherlands: Springer.
9. Ura, K. (2017). Bhutan's Indian rupee shortage: Macroeconomic causes and cures. In Mitra, S., & Jeong, H. Y. (Eds.), Bhutan: New pathways to growth. New Delhi: ADB and Oxford University Press.
10. Ura, K. (2017). The experience of Gross National Happiness as a development framework. In Mitra, S., & Jeong, H. Y. (Eds.), Bhutan: New pathways to growth. New Delhi: ADB and Oxford University Press.
11. Ura, K. (2016). Balancing GDP with GNH. In Thomas, S. T. (Ed.), Globalization and development: In search of new development paradigm (Vol. III), pp. 3-38. London and New York: Routledge.
12. Ura, K. (2013). Destiny of Nations. In Redeveloping America. UK/US: McMillan
13. Ura, K. (1997). Development and tradition. In Schickgruber, C. & Pommaret, F. (Eds.), Mountain fortress of the gods, pp.

239-252. London: Serindia Publications.

14. Ura, K. (1994). Development and decentralization in medieval and modern Bhutan. In Aris, M., & Hutt, M. (Eds.), *Bhutan: Aspects of culture and development*. Scotland: Paul Strachan - Kiscadale Ltd.

15. Ura, K, Stringer, R., & Bulte, E. (2009). Wildlife and Human Conflicts in Bhutan. In Lipper, L., Sakuyama, T., Stringer, R., & Zilberman, D. (Eds.), *Payment for environmental services in agricultural landscapes. Natural Resource Management and Policy*, (Vol. XXXI). New York: Springer.

Articles

16. Ura, K. (1993). The nomads' gamble: Pastoralists of northern Bhutan. In *South Asia Research* (Vol. XIII), pp. 81-101. School of Oriental and African Studies.

17. Ura, K.& Pablos, P. O. d. (Eds.). (2012). *Advancing technologies for Asian business and economics: Information management developments*. US: Information Science Reference, IGI Global.

18. Ura, K & Santos, E. (2008). Multidimensional Poverty Measurement of Poverty in Bhutan. *Journal of Bhutan Studies*, 18 (1). pp. 1-50