Information and Communications Technology for Sustainable Development

Defining a Global Research Agenda

A Report based on two workshops organized by: Carnegie Mellon University, Pittsburgh Indian Institute of Science, Bangalore

Washington, DC, 2003, and Bangalore, 2004

Authors

Rahul Tongia, Carnegie Mellon University Eswaran Subrahmanian, Carnegie Mellon University V. S. Arunachalam, Carnegie Mellon University / Tamil Nadu State Planning Commission

Information and Communications Technology for Sustainable Development

Defining a Global Research Agenda

ICT-SD Project Investigators:

USA (Supported by National Science Foundation, World Bank, and the United Nations)
V. S. Arunachalam, Carnegie Mellon University
Raj Reddy, Carnegie Mellon University
Rahul Tongia, Carnegie Mellon University
Eswaran Subrahmanian, Carnegie Mellon University

India (Supported by Govt. of India through its Ministries, Departments and Agencies)
N. Balakrishnan, Indian Institute of Science

© 2005 Rahul Tongia, Eswaran Subrahmanian, V. S. Arunachalam

ISBN: 81 - 7764 - 839 - X

Allied Publishers Pvt. Ltd.

Jayadeva Hostel Building, 5th Main Road, Gandhi Nagar, Bangalore - 560 009, India. "We must look ahead at today's radical changes in technology, not just as forecasters but as actors charged with designing and bringing about a sustainable and acceptable world. New knowledge gives us power for change: for good or ill, for knowledge is neutral. The problems we face go well beyond technology: problems of living in harmony with nature, and most important, living in harmony with each other. Information technology, so closely tied to the properties of the human mind, can give us, if we ask the right questions, the special insights we need to advance these goals."

Herbert Simon, 1916 – 2001 Nobel Laureate in Economics, 1978