

Mapping of STS Activity of CLOSS (Current Literature on Science of Science) during 2007-2008

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Abstract—Science Technology Studies (STS) is a multifaceted discipline of widely scattered nature STS literature is scattered over a broad spectrum of specialities and large number of institutes and publishers solely devoted to STS. Publications and patents indicate the output of S&T activity and are the major indicators of S&T activity. Research papers and patents are used for assessing intensity of knowledge creation and utilisation. Research articles act as major channels for dissemination of scientific knowledge and their number serve as indicators of scientific production. Current Literature on Science of Science (CLOSS) was an internationally recognized abstracting/reviewing journal in the field of "Science Technology Studies"(STS). The main objective of CLOSS was to report latest literature in the field of Science and Technology Studies(STS).As closed in 2008, about 100 journals were covered, including some new journals during 2007-2008 through various sources in last issues. The subject scope of CLOSS was under the guidelines of UNESCO sponsored SPINES-Science Policy Information Exchange System, so as to take into account the different theoretical, and practical approaches to policy making, management and applications in the field of Science and technology. STS literature in CLOSS was classified in the following Spines categories.:Foundation of Science and Technology Policy Making (A00); Science and Technology Resources(B00); Practice of Science and Technology Policy Making (C00); General Contents and Results of Science and Technology Plans, Programmes and Projects (D00). A few important journals covered during 2007-08 were : Current Science 2008; Energy Policy 2007, International Information and Library Review 2008, Research Policy 2007; Research Technology Management 2008 ; Science Technology & Society 2007; Scientometrics 2007 and 2008; Social Science & Medicine 2007;Social Studies of Science 2007;Technological Forecasting and Social Change 2007 ;Technology & Society 2007; Technovation 2007;Telecommunications Policy 2007.

Introduction

Science Technology Studies (STS) is a multifaceted discipline with scatteredness in nature. Hundreds of journals of varied disciplines are contributing to STS literature .Current Literature on Science of Science (CLOSS) was an internationally recognized abstracting/reviewing journal in the field of "Science Technology Studies"

Current Literature on Science of Science (CLOSS) reported the newly published literature covering various facets of interactive processes of the science-technology-society-development, in the form of book reviews, summaries of grey literature and abstracts of journal articles along with conference reports and statistical compilations on selected topics. The issues related to socio- economic and environmental development which concern the STS scholars, policy makers and science planners are: management of technology, adoption of technology, application of new technologies, intellectual property policies, energy options and policy planning, environmental protection, population and health policies

Information about newly released books and reports were reported in "NEW RELEASES" section of CLOSS. New Releases" section gives summaries of newly published grey literature and books. As CLOSS was closed in 2008, about 100 journals were covered through various sources in concluding issues during 2007-2008.

This paper is divided in two sections.Section A covers some important books and reports covered in "New Releases" section covered in last three issues while Section B covers List of Journals covered in last three issues namely: Curr.Lit. Sci. of Sci. Vol 36, No. 4-12, April-December 2007, Curr.Lit. Sci. of Sci. Vol 37, No.1-6, January-June 2008, Curr. Lit. Sci. of Sci. Vol 37, No. 7-12, July-December 2008

Section A

A few important books and reports covered in "New Releases" Section are listed below publisher wise (as covered in last three issues of CLOSS)

- 1 Asian Development Bank,
ADB Avenue, Mandaluyong City 1550, Metro Manila,
Philippines
Email: information@adb.org

Asian Development Outlook 2008

The annual Asian Development Outlook provides a comprehensive economic analysis of 44 economies in developing Asia and the Pacific.

- 2 Deep & Deep Publications Pvt.Ltd.
Email : info@ddpbooks.com

Energy and Environment Interaction : Future Challenges

This book is divided into four parts with 41 papers of eminent contributors and is an important contribution to the Indian energy and environmental interactive dialogue and dynamics. The book is edited by D. Solomon Raj

India and China in the Asian Century : Global economic power dynamics

The book is divided into four broad areas of discursive debates: dialects and dynamics of "the Asian Century", China: the "Dragon's" development dimensions, India: the "Tigers" development strides and "The Asian Giants": global economic power dynamics. The book is edited by P. Jegadish Gandhi.

- 3 Eastern Book Corporation. Delhi - 110034,
India
E-mail : eastbook@vsnl.com

Biodiversity in India

Author Pullaiah, T intend to bring out a series of edited volumes on Biodiversity in India encompassing all aspects. This includes species diversity, genetic diversity and ecosystem diversity.

Managing Water Resources : Policies, institutions, and technologies

The essays look at how the cumulative effect of gross negligence and mismanagement of water resources over the years have created water scarcity. The essays are organized under three sub-themes—irrigation water, drinking water and sanitation, and gender and decentralization in water management.

- 4 F A O.
Vlaledelle Terme di Caracalla,Ooloo,
Rome, ITALY.

The State of Food Insecurity in the World 2008

The report presents the latest statistics on global undernourishment, reviews the impact of high food prices, and

examines how high food prices could offer an opportunity to relaunch smallholder agriculture in the developing world.

The State of the World Fisheries and Aquaculture 2008

The report presents a world review of fisheries and aquaculture, including trends and statistics.

- 5 International Food Policy Research Institute,
1200 Seventeenth Street,N.W. Washington
D.C. 20036-3006,U.S.A.

Agricultural R&D in the Developing World: too little, too late?

This book addresses issues for the developing countries, and their relationship to the richer parts of the world.The countries covered include the largest developing countries—China and India—as well as a range of richer and poorer and more- and less-developed countries, representing most parts of the globe.The book is edited by Philip G. Pardey, Julian M. Alston, and Roley R. Piggott

Agricultural Research: A Growing global divide?

Sustained, well-targeted, and effectively used investments in R&D have reaped handsome rewards from improved agricultural productivity and cheaper, higher quality foods and fibers. This report documents and discusses these changing investment patterns, highlighting developments in the public and private sectors. Authors of the report are Philip G. Pardey, Nienke Beintema, Steven Dehmer, and Stanley Wood

- 6 International Monetary Fund,
700 19th Street, N.W., Washington, D.C.
20431
publicaffairs@imf.org

Global Monitoring Report 2009: A Development Emergency

Global Monitoring Report 2009, prepared jointly by the staff of the World Bank and the International Monetary Fund, provides a development perspective on the global economic crisis. It assesses the impact on developing countries—their growth, poverty reduction, and other MDGs. And it sets out priorities for policy response, both by developing countries themselves and by the international community.

- 7 National Institute of Science Technology &
Development Studies. Dr. K.S. Krishnan
Marg, New Delhi – 110 012 (India)

“Compendium of Salient Findings of Projects under National Natural Resources Management System on Bioresources and Environment (NNRMS SC-B) Scheme.

A 259 pages compendium of summaries of 71 completed projects under the relevant thematic category was prepared by Subhan Khan and R. K. Suri. In this evaluation study, projects have been grouped under following six major categories :Wetlands/Mangroves; Environmental Impact Assessment including Industry & Mining; Coastal resources (areas/concerns); Water Resources (including Groundwater); Hazards (geo-environmental/environmental) and Eco-system Studies.

India S&T- 2008

The research based report describes the states of affairs in Indian Science and Technology (S&T). Supported by a Supra research grant from the CSIR, brings out salient issues on S&T policies, indicators and achievements. Divided into six themes each looking into public policies and policy instruments supporting development of S&T in the country, the contributing researchers have developed a series of S&T indicators.

Six themes: S&T human resources; Financing for S&T; Structures, infrastructures and public space in S&T; Indian industry and S&T outputs of research publications and patents; and rural India and S&T

- 8 Tata Energy Research Institute.
Darbari Seth Block, Habitat Place, Lodhi
Road, New Delhi-110003, INDIA.
email:outreach@teri.res.in

Competition in India's Energy Sector

The objectives of the research study were to assess the competition issues in three energy sub-sectors – electricity, oil and gas, and coal. In particular, the study intended to assess the market size and structure of these sub-sectors, the extent to which the competition goals have been achieved, the key policies in various energy sub-sectors.

- 9 U N I D O. P.O. Box 300,A-1400 Vienna,
AUSTRIA.

Annual Report 2008 (UNIDO)

The present report follows UNIDO's dedicated thematic focus, illustrating clearly how our activities are successfully targeting outcomes that enhance industrial policy and build up institutions in the public and private spheres. The report also

highlights how UNIDO tailors its services according to country and regional needs.

- 10 UNCTAD (United Nations Conference on Trade and Development, Geneva
Palais des Nations ,(H-121) Geneva 10,
Switzerland
E-mail : nicole.winch@unctad.org

UNCTAD Handbook of Statistics 2008

The Handbook provides a broad range of statistics relevant to the analysis of international trade, investment and development, covering individual countries, regions and the world at large. The UNCTAD Handbook of Statistics 2008 presents consolidated reference statistics considered of particular importance for describing how developing countries have evolved in the context of globalization.

Development and Globalization: Facts and Figures 2008

This second issue of UNCTAD's Development and Globalization: Facts and Figures is meant to enhance the analytical emphasis and to offer some explanations for new and emerging economic trends.

- 11 United Nations Environmental Programme
(UNEP/PIECA).
United Nations Avenue, Gigiri
P O Box 30552, Nairobi, Kenya
E-mail : cpilnfo@unep.org

Global Green New Deal Policy Brief

The “Global Green New Deal” (GGND) presented here has three broad objectives. In the short term, it should make a major contribution to reviving the world economy, saving and creating jobs, and protecting vulnerable groups. In the medium term, it should promote sustainable and inclusive growth and the achievement of the MDGs, especially ending extreme poverty by 2025.

- 12 World Bank. Publications
Department, J2152, 1818 H Street NW,
Washington D.C., 20433 , USA.
e-mail: books@worldbank.org

Handbook of Water Resources in India:Development, management, and strategies

This handbook focuses on major water policy issues in India, the challenges and the critical measures that need to be addressed. It traces the development of policies in water and their management and has contributions by India's leading water specialists.

World Development Report 2009: Reshaping Economic Geography

The report documents how production becomes more concentrated spatially as economies grow. proposes economic integration as the principle for promoting successful spatial transformations. revisits the debates on urbanization, territorial development, and regional integration and shows how today's developers can reshape economic geography.

13 *World Watch Institute.*
 1776 Massachusetts Ave., NW Washington D.C.
 20036, USA.
 email: wwpub@worldwatch.org

State of the World 2009

"State of the World 2009 is a research masterpiece, the single most important reference guide to climate change. The 26th edition is focusing special attention on the Copenhagen climate agreement and working closely with Worldwatch's partners around the globe-particularly the key countries of China, India, and the United States.

Vital Signs 2007 – 2008

This report tracks and analyzes 44 trends that are shaping our future, and includes graphs and charts to provide a visual comparison over time. It contains 23 new trends in this edition and 21 updated trends. Vital Signs 2007-2008. provides the most reliable environmental, economic, and social information available on the entire planet Earth.

Mitigating Climate Change Through Food and Land Use

Land makes up a quarter of Earth's surface, and its soil and plants hold three times as much carbon as the atmosphere. More than 30 percent of all greenhouse gas emissions arise from the land use sector. Thus, no strategy for mitigating global climate change can be complete or successful without reducing emissions from agriculture, forestry, and other land uses.

Vital Signs 2009

This sixteenth volume of Worldwatch's Vital Signs series "Vital Signs 2009" includes 25 trends in one convenient reference guide. Covers pressing trends in energy, agriculture, transportation, climate, health, the economy, population, and other areas to inform and inspire the changes needed to build a sustainable world.

Section B

Publications and patents indicate the output of S&T activity and are the major indicators of S&T activity. Research papers and patents are used for assessing intensity of knowledge creation and utilisation. Research articles act as major

channels for dissemination of scientific knowledge and their number serve as indicators of scientific production. As closed in 2008, about 100 journals were covered, including some new journals during 2007-2008 through various sources in last issues. STS literature in CLOSS was classified in the following Spines categories. Foundation of Science and Technology Policy Making (A00); Science and Technology Resources(B00); Practice of Science and Technology Policy Making (C00); General Contents and Results of Science and Technology Plans, Programmes and Projects (D00).

Journals covered during 2007-08 in CLOSS

Following is the list of journals covered in 2007- 08.

Acta Astronautica 2008, 63(1-4)
 Acta Geophysica 2008, 56(4)
 Agricultural Economics 2008, 38(3)
 Agricultural Systems 2007, 94(2), 94(3)
 Agriculture 2008, 64 (2)
 Applied Artificial Intelligence 2008, 22(9)
 Asia-Pacific Journal of Operational Research 2008, 25(2)
 Australian Journal of Agricultural and Resource Economics 2008, 52(4)
 British Food Journal 2008, 110(10)
 Bulletin of Science, Technology & Society 2007, 27 (2)
 Chemical & Engineering News 2007, 85(16)
 Civil Engineering 2007, 77(4)
 Climatic Change 2008, 91(3-4)
 Comparative Politics 2008, 41(1)
 Computational Geosciences 2008, 12(4)
 Contemporary South Asia 2008, 16(3)
 Critical Reviews in Environmental Science and Technology 2008, 38(1)
 Current HIV Research 2008, 6(5)
 Current Science 2008, 95(3)
 Development and Sustainability 2008, 10(4)
 Economica 2008, 75(298)
 Electronic Government 2008 5, (4)
 Energy Policy 2007, 35(2); 35(4); 2008, 36(6); 36(7); 36(11)
 Environment, Development and Sustainability 2008, 10(6)
 Environmental Monitoring and Assessment 2008, 145(1-3); 147(1-3)
 Environmentalist 2008, 28(4)

- European Journal of Development Research 2008, 20(1) , 20(4)
- Experimental Agriculture 2008, 44(2)
- Foresight 2008, 10(3)
- Futures 2008, 40(1)
- Heat Transfer Engineering 2007, 28(4)
- Hybrid Modeling of Energy-Environment 2007, 27
- Indian Journal of Agricultural Economics 2008 ,63(1)
- Indian Journal of Agricultural Sciences 2008, 78(9)
- Indian Journal of Medical Research 2007, 126(4)
- Indian Journal of Microbiology 2008, 48(3)
- Indian Journal of Occupational and Environmental Medicine 2008, 12(1)
- Industry and Innovation 2008, 15(1)
- Innovations in Education and Teaching International 2008, 45(2)
- International Information and Library Review 2008, 40(3)
- International Journal of Electric and Hybrid Vehicles 2008, 1(3)
- International Journal of Information Management 2008, 28 (6)
- International Review of Sociology 2008,18(2)
- IPPTA Quarterly Journal of Indian Pulp and Paper
- Irrigation and Drainage 2008, 57(4)
- Journal of Biosciences 2008, 33(4)
- Journal of Business and Industrial Marketing 2008, 23(7)
- Journal of Business Ethics 2008, 80(4) ; 81(1) ;83(2)
- Journal of Cleaner Production 2008, 16(12)
- Journal of Commercial Biotechnology 2008, 14(1)
- Journal of Environmental Management 2008 ,88 (4) ;89(1)
- Journal of Environmental Planning & Management 2007, 50(2)
- Journal of Forest Research 2008, 13(1)
- Journal of Health Population and Nutrition 2008, 26(4)
- Journal of Indian Philosophy 2008, 36(2); 36 (3); 36(5-6)
- Journal of Intellectual Property Rights 2008,13 (3 ,13(5), 13(6)
- Journal of International Trade and Economic Development 2008,17(4)
- Journal of Mines, Metals and Fuels 2008, 56(5-6)
- Journal of Pharmaceutical Education and Research 2008, 42(1)
- Journal of Product Innovation Management 2007, 24(3)
- Journal of Rural Development 2008, 27(2) ;27(3)
- Journal of Scientific and Industrial Research 2008, 67(8) ;67(9)
- Journal of Technology Transfer 2008, 33(3)
- Journal of the National Science Foundation of Sri Lanka 2008, 36(1)
- Journal of Urban Economics 2008, 64
- Journal of Vegetation Science 2007, 18(2)
- Marine Policy 2008, 32(3)
- Medicine, Healthcare and Philosophy 2008, 11(2)
- MIS Quarterly Management Information Systems 2008, 32(2)
- Natural Hazards 2008, 5(3)
- Natural Resources Forum 2008, 32(4)
- Nature Reviews Genetics 2008, 9 (1), 9(6)
- PICMET Portland International Center for Management of Engineering and Technology, Proceedings 2008, 4599637
- Policy Studies Journal 2008, 36(1)
- Progress in Energy and Combustion Science 2008, 34(6)
- Research Journal of Chemistry and Environment 2008, 12(1)
- Research Policy 2007, 36(3); 36(4)
- Research Technology Management 2008, 51(2)
- Science and Public Policy 2008, 35(2)
- Science Letters-India 2008, 31(3-4)
- Science of the Total Environment 2007, 376 (1-3)
- Science Technology & Society 2007, 12(1)
- Science, Technology & Human Values 2007, 32(2)
- Scientometrics 2007, 71(1); 71(2); 2008,74 (1),74(2),74(3); 75(1),75(2),75(3)
- Social Science & Medicine, 2007, 64 (8)
- Social Studies of Science 2007, 37(1); 37(2), 37(3)
- Space Policy 2007, 23(2)
- Technical Association 2008, 20(2)
- Technological Forecasting and Social Change 2007, 74(5)
- Technology & Society 2007, 12(1); 29(2)
- Technovation 2007, 27(4), 27(5)
- Telecommunications Policy 2007, 31(3-4), 31(5)
- The World Economy 2008, 20 (3)
- TMS Annual Meeting 2008
- Transport Policy 2007,14(3)
- Water Policy 2008, 10 SUPPL.(1)
- Work, Employment and Society 2008, 22(4)
- World Bank Research Observer 2008, 23(2)

World Development 2007, 35(5), 35(6)

World Wide Web 2007, 5(2)

Conclusion

Current Literature on Science of Science (CLOSS) was an internationally recognized abstracting and reviewing journal in the field of Science Technology and Society (STS) Studies, being published by CSIR -NISTADS. Aiming at international readership, it was the only Journal, that reports the literature on all the facets of STS, ranging from theoretical and practical approaches to policy making, management and applications in Science, Technology and Society

References

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- [3] Renu Jethi(2016) 'Mapping of STS literature in Current Literature on Science of Science (CLOSS) of special issues on developing countries', Advances in Computer Science and Information Technology (ACSIT); 3(6): 527-534.
- [4] Renu Jethi(2017) . ' Mapping of STS Literature on "Science and Technology Studies in India" , Advances in Computer Science and Information Technology (ACSIT) 4(1): 20-24. [6] Curr.Lit. Sci. of Sci. Vol 36, No. 4-12, April-December 2007
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- [6] Curr. Lit. Sci. of Sci. Vol 37, No. 7-12, July-December 2008
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