



The Abdus Salam
International Centre for Theoretical Physics



**ICTP Experts Meeting on "Science & Renewable Energy"
January 15 - 18, 2007**

Venue: ICTP Adriatico Guest House - Lundqvist Lecture Hall

310/1905

**"Role of the Publisher in Promoting
Renewable Energy "**

H. van Dorssen
Elsevier Publishers
Oxford, United Kingdom



Role of the Publisher in Promoting Renewable Energy

**Henri G. van Dorssen, Publisher – Energy
Elsevier, Oxford, UK**

ICTP/WREN, Trieste, Italy
February 15th, 2007

Elsevier Energy



A child gets safe, clean water

produced by a pump powered by the sun

enabled by research that made photovoltaic devices affordable

made possible by the success of solar-powered satellites

spurred by development of the silicon solar cell

sparked by the discovery of the photoelectric effect

reported in scientific publications.



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Who we are

- Science and Medical publishing division of Reed Elsevier (other divisions: Education, Legal, Business); R-E has 35,000 employees worldwide
- Elsevier has over 7,000 employees in more than 70 locations worldwide (incl. Beijing, New Delhi, Mexico D.F., Rio de Janeiro, Cape Town)
- Publish over 1,800 journals, of which 1,100 in the science and technology field; a total of 250,000 articles per year
- Leading online information services: ScienceDirect, Scopus, and Scirus



What we do

- **Provide world-class information:**
 - publish leading-edge research
 - add value to the work of the academic community
- **Ensure global dissemination:**
 - distribute globally and in all formats
 - ensure that published research is preserved in perpetuity
- **Provide innovative tools:**
 - innovative information solutions delivering increased productivity for researchers
- **Work together with the communities we serve:**
 - integral part of a global network of researchers, scientists and professionals



Electronic products and services

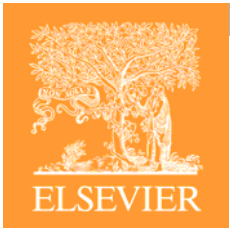


- **ScienceDirect** – full text online database; 8M articles, 80M abstracts; back files, pay-per-view, e-select, college edition
www.sciencedirect.com
- **SCOPUS** – abstract and citation database; 15,000 journals from 4,000 publishers (from 1966), with references and citation counts
www.scopus.com
- **Scirus** – free web search engine for scientists www.scirus.com
- **Elsevier Editorial System** – online submission, review and editorial tool for our journals



Adding value

- Clear copyright policies and ethical guidelines; deal with plagiarism, mal practice, dual submission and fraud allegations
- Editors' conferences; workshops for Authors/Referees (China); distance learning for librarians
- Ongoing bibliometric analysis of trends in Impact Factors and citations; Author/Editor/Referee feedback programmes
- Co-founder of:
 - CrossRefTM: the reference linking service
 - DOI Foundation: Digital Object Identifier
 - COUNTER: Counting Online Usage of Networked Resources
- Founding publisher of the UN initiatives HINARI, AGORA and OARE, which enable developing countries access to outstanding information in health, agriculture and environmental science



UN related initiatives



- AGORA – **Access to Global Online Research in Agriculture** Set up by the FAO (UN) with major publishers, for developing countries to gain access to a digital library collection in the fields of food, agriculture (918 journals to institutions in 107 countries). www.aginternetwork.org/en



- OARE – **Online Access to Research in the Environment** International public-private consortium coordinated by the UN Environment Program (UNEP), Yale University, and leading science and technology publishers. Enables developing countries free access to one of the world's largest collections of environmental science literature. www.oaresciences.org/en



Role of the Publisher at Elsevier

- Portfolio management, together with the Publishing Editor, with focus on journal quality, impact, profile and growth
- Strategic planning and development of the programme, and steering the marketing, promotion and branding activities
- Relationships with the scientific community and the societies we work with, and to expand the network
- Stimulate and investigate new journal proposals and drive new launches
- Energy portfolio: 25 journals – renewable energy, fossil fuels, electric power, nuclear energy, and general energy
- Liaise with Environmental Science, Engineering, Chemistry, Social Sciences portfolios: c. 45 energy-related titles



International co-operation in Energy

- We work with a large number of leading international energy societies and organisations:
 - World Renewable Energy Network (WREN)
 - International Solar Energy Society (ISES)
 - International Association for Hydrogen Energy (IAHE)
 - The Combustion Institute
 - CNR-IGG
 - Energy Institute, London
 - IEA-Greenhouse Gas R&D Programme
 - World Energy Council (WEC)
 - International Energy Foundation

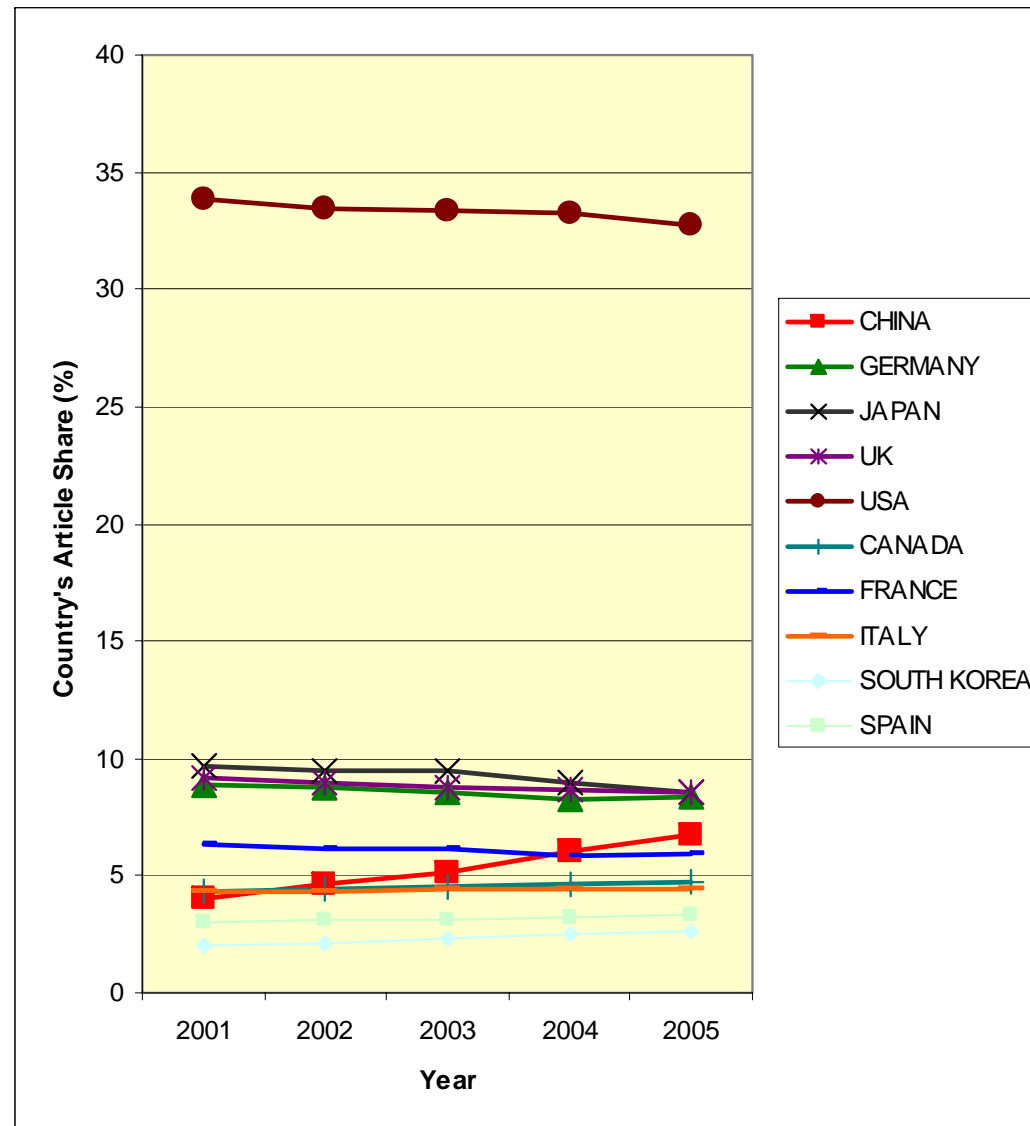


Trends in Energy publishing

- 70% of the Energy authors who replied, as part of our ongoing Author Feedback Programme, expect funding in their area to increase (20% expect a 'high increase')
- Between 2001-2005 the number of papers in the Thompson-ISI Energy & Fuels category increased by 15.3%; in 2005 the increase was 11.0% (to 7,586 papers)
- On average the Impact Factors of our Energy journals in 2005 went up by 26.5%; the number of citations in 2005 for articles published in our Energy journals went up by 29% compared to 2004
- The field of Energy studies is a fertile, growing domain for research across the disciplines of engineering, environmental sciences, chemistry, materials science, physics, social sciences, economics and policy studies



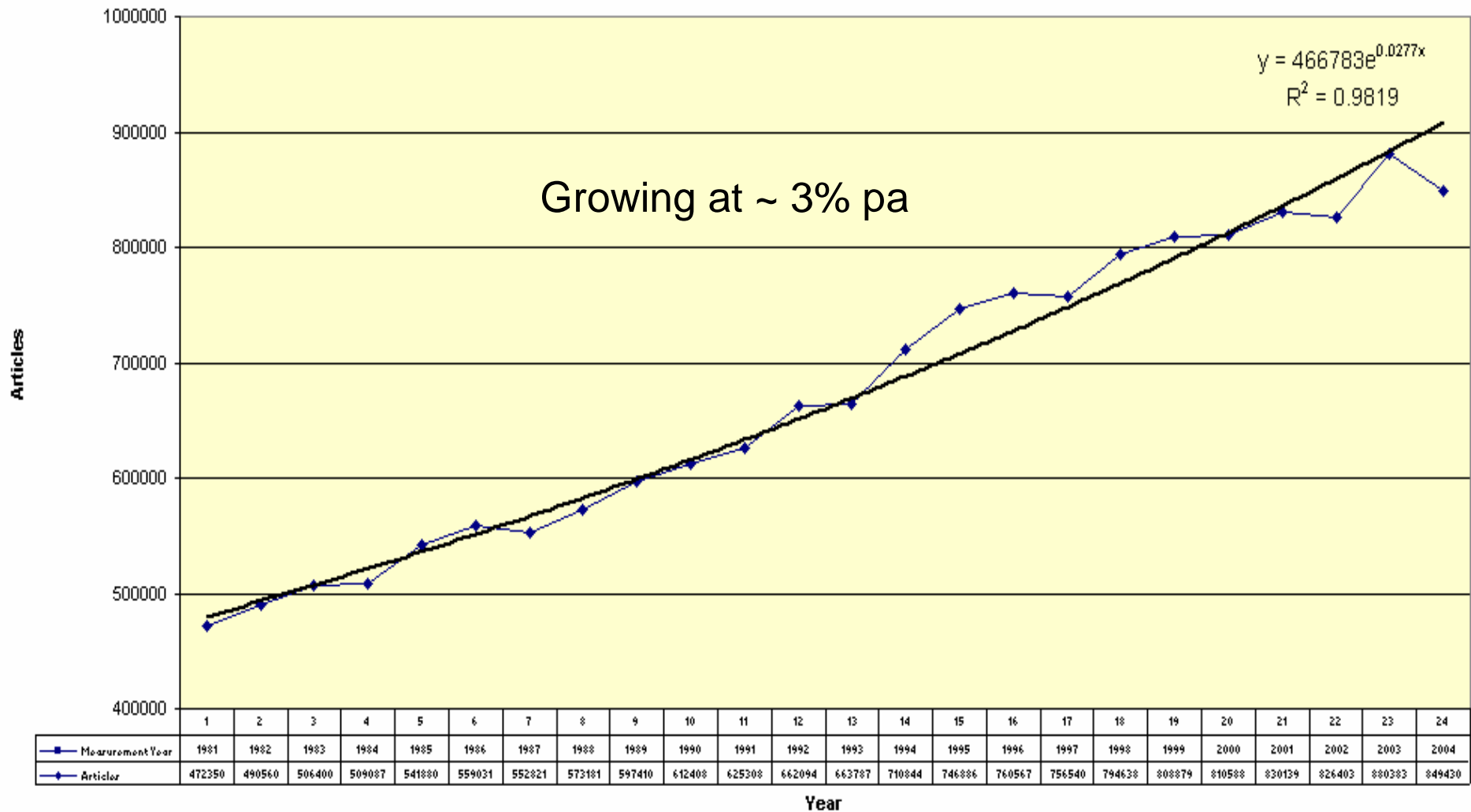
Trends in article share, all subjects



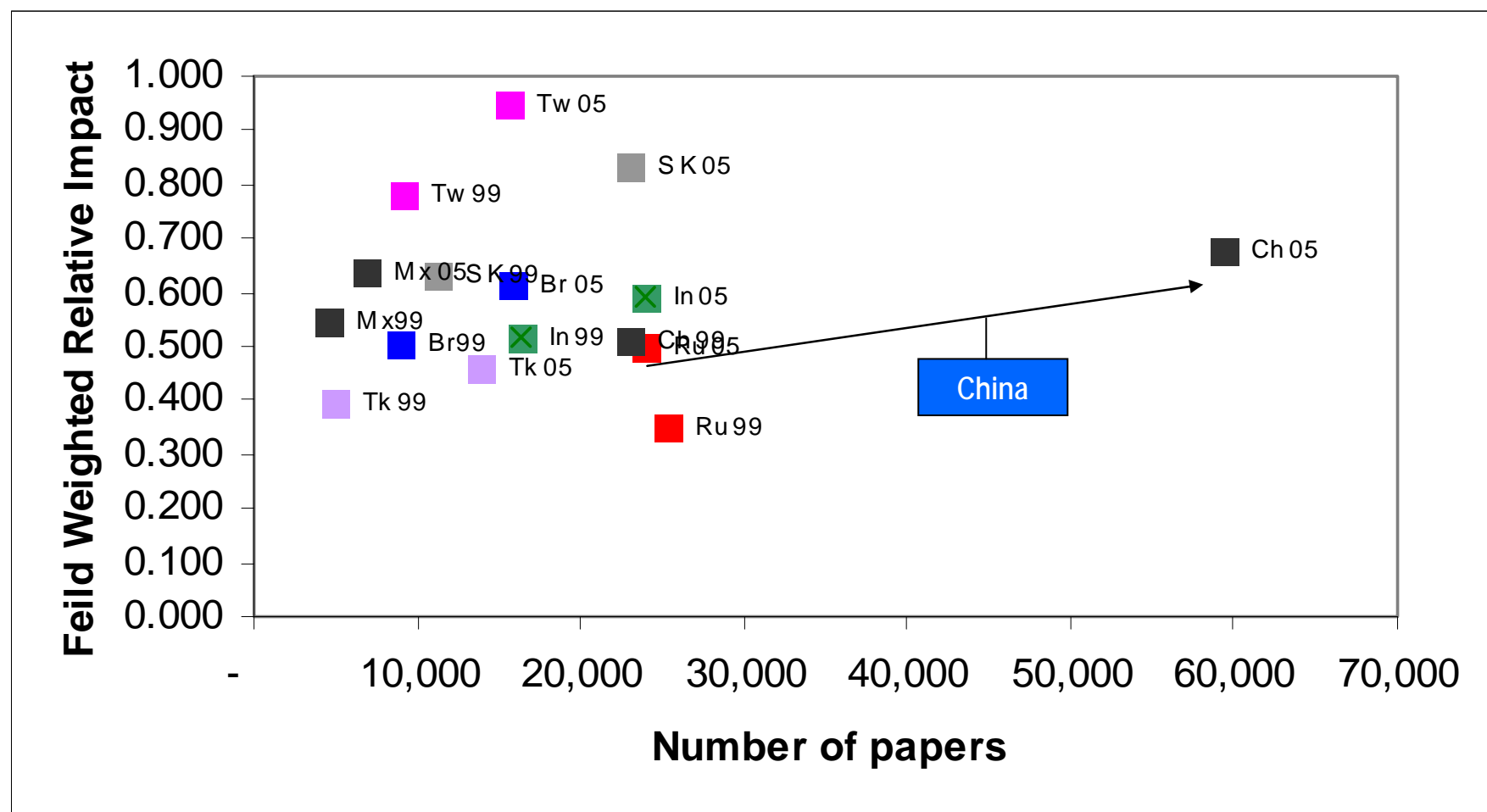


Growth of articles 1981-2004, all

Growth in World Journal Articles 1981-2004

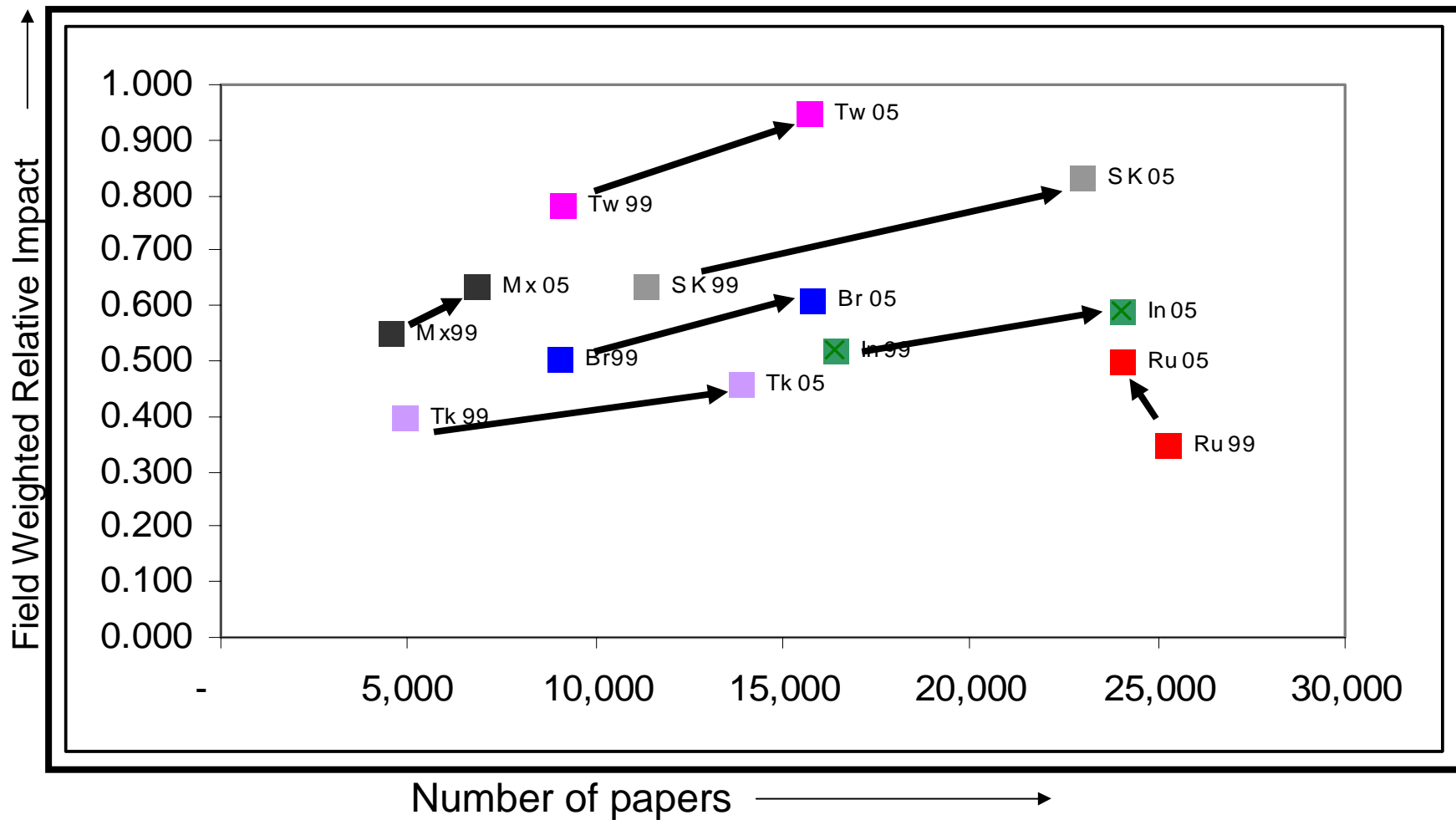


Relative impact and article growth in selected countries



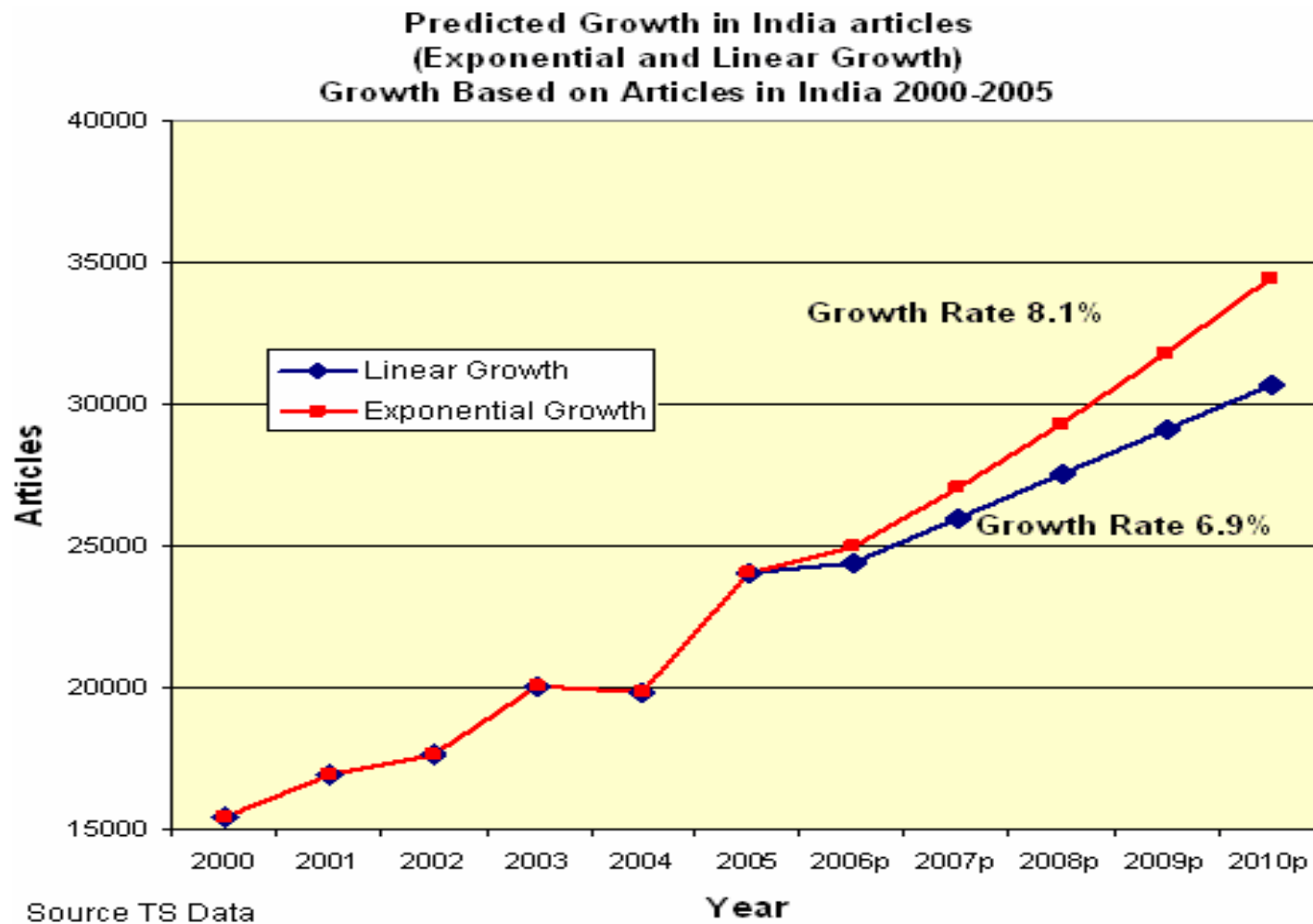
Tw – Taiwan; Br – Brazil; Tk – Turkey; SK – South Korea; In – India; Mx – Mexico; Ru – Russia

Sub-section of same graph



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An example, India





Challenges and opportunities

- Quality of research, originality, novelty, impact and citation remain paramount for articles published in our journals
- Strong growth of submissions from the developing world pose challenges for editors, referees and editorial systems
- Editorial boards show growing representation from leaders in the developing world in areas of particular expertise
- Our new launches address topics relevant to the developing world; so do special issues and other editorial initiatives
- VP and Int. Publishing Development Director focus on China, India, Russia, Brazil, Mexico, Turkey to develop infrastructure



Conclusions

Possible contributions to the ICTP Experts Meeting:

- **Expertise:**
 - look for new project opportunities to co-operate on with leading journal editors, authors, societies
- **Development/education:**
 - look for synergy with the international publishing development activities
 - same, for training and outreach programs, especially in the key developing countries
- **Promotion:**
 - look for opportunities to co-promote, and report progress studies in selected journals and magazines.