The Cultural Authority of Science

Comparing across Europe, Asia, Africa and the Americas

Edited by Martin W. Bauer, Petra Pansegrau and Rajesh Shukla

FID SOZIAL TIMES
ESTE URANI HESTO MONTO



Contents

	List of figures, tables, boxes and appendices List of contributors	ix xvii
	Preface	xxi
	Acknowledgements or credits list	xxv
PA :	RT 1	
Concepts and theory		1
1	Image, perception and cultural authority of science – by way of introduction	3
	MARTIN W. BAUER, PETRA PANSEGRAU AND RAJESH SHUKLA	
2	The authority of science revisited -	
	mainly Anglo-European	22
	PETER WEINGART	
3	Scientific temper and cultural authority	
	of science in India	32
	GAUHAR RAZA	
4	The authority of science in Korea: a new explication	
	and measurement	44
	HAK-SOO KIM	

vi	Contents	
	RT 2	
M	ediated authority - comparing the science news flow	57
5	Science and the news flow 1990-2014,	
	in Germany, UK and India	59
	BANKOLE FALADE, MARTIN WEBAUER, RAJESH SHUKLA.	
	AND PETRA PANSEGRAU	
6	The intensity of media attention as an index of	
	authority of science	86
	PETRA PANSEGRAU AND MARTIN W. BAUER	
7	Framing science: discourses and representations in	
	UK and Germany	105
	PETRA PANSEGRAU AND GERGANA POPOVA	
8	Bridging a gap - mapping the science coverage of	
	South African newspapers	122
	LARS GUENTHER, PETER WEINGART, AND MARINA JOUBERT	
9	Science news in Turkey: data mining techniques for	
	science culture mapping	137
	AHMET SÜERDEM	
10	The great narrative: analysing the cultural authority	
	of science through media attention in Italy	155
	F. NERESINI AND A. LORENZET	
PAI	RT 3	
Per	rceived authority - cross-sectional and longitudinal	171
11	The cultural distance from science and the role of	
	science education in India: a logit model	173

AMIT SHARMA AND RAJESH SHUKLA

YUH-YUH LI AND CHUN-YEN TSAI

12 The science, the paranormal, cohorts and cognitive polyphasia: the authority of science in Taiwan

190

	Contents	vii
13	Authors: all contributors	210
14	Vaccines, Polio and Ebola: religion and traditions compete with scientific authority in West Africa BANKOLE FALADE	211
15	Decades of change - Brazilian perceptions of science 1987-2015 YURIJ CASTELFRANCHI	228
16	Correlational stability in the US-NSF science & engineering surveys 1979–2014 JOHN BESLEY	250
17	Attitudes towards science in the World Values Surveys – longitudinal evidence 1981–2014 FABIENNE CRETTAZ VON ROTEN	264
18	Public perception of science and technology in Argentina 2003–2015: longitudinal and structural analysis CARMELO POLINO AND ANA MUÑOZ VAN DEN EYNDE	278
	RT 4 ferred assumptions: comparing the culture as frame of reference	299
19	Four cultures of science across Europe MARTIN W. BAUER AND AHMET SÜERDEM	301
20	Exploring the cultural authority of science in South Africa through public attitudes to science SAAHIER PARKER AND JOHANN MOUTON	319
21	Comparing the Public attitude towards science across provinces in China XUAN LIU, FUJUN REN, AHMET SÜERDEM, XIANG LI AND MARTIN W. BALIER	339

22	2 All India attitude to science: data mining and	
	analysis of the structure of attitudes	356
	RAJESH SHUKLA, AHMET SÜERDEM, AMIT SHARMA,	
	BIJAY CHOUHAN AND POOJA SHARMA	
PA	RT 5	
Conclusion		375
23	The cultural authority of science - summary and	
	future research agenda	377
	MARTIN W. BAUER, BANKOLE A. FALADE,	
	AND PETRA PANSEGRAU	
	Index	383