Record Nr. UNINA9910745598803321

Autore Schwachula Anna

Titolo Sustainable Development in Science Policy-Making: The German

Federal Ministry of Education and Research's Policies for International

Cooperation in Sustainability Research / Anna Schwachula

Pubbl/distr/stampa Bielefeld, : transcript Verlag, 2019

ISBN 3-8394-4882-4

Edizione [1st ed.]

Descrizione fisica 1 online resource (347 pages)

Collana Science Studies

Disciplina 509.43

Soggetti Sustainable Development; Science Policy; International Cooperation;

Discourse Analysis; Developing Countries; Science; Politics; Nature; Sociology of Science; Policy; Sustainability; Sociology of Development;

Sociology

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia

Nota di contenuto Frontmatter 1 Contents 5 Acknowledgements 11 List of

abbreviations 13 List of boxes, figures and tables 19 1.1 Shedding light on German science policy for cooperation with developing countries and emerging economies 21 1.2 Sustainable development as normative background 25 1.3 Contributions to scientific literature 27 1.4 Analytical structure and outline of the chapters 29 2.1 Science for a cause? Between impact and autonomy 33 2.2 Science policy and society 35 2.3 Concepts of (sustainable) development 40 2.4 Science, innovation and (sustainable) development 46 3.1 The Sociology of Knowledge Approach to Discourse for policy analysis 61 3.2 The Sociology of Knowledge Approach to Discourse in empirical research 64 4.1 Scientific model and approach 77 4.2 Research 78 4.3 Data collection and sampling 79 4.4 Fieldwork 82 4.5 Data analysis 84 4.6 Reflections on my position as a researcher 86 5.1 Research funders for cooperation with developing countries and emerging economies 93 5.2 The BMBF as funder of international research cooperation 100 5.3 International funding initiatives in 105 6.1 Structures and agency in the process of discourse actualisation in science policy 109 6.2 Following a beaten track: Discourse reproduction 118 6.3 Policy makers as change agents

123 7.1 Defending the turf: Ministries as political entities 129 7.2 Cooperation countries: From objects of policy to partners in policy making 139 7.3 Discourse coalitions 143 7.4 Power in discourse production 158 7.5 A self-reinforcing equilibrium in science policy 161 8.1 The heart and soul of science policy 165 8.2 The green lungs: Sustainability as a new discourse in science policy Translating the discursive leitmotif into discourses of international cooperation and sustainability 180 8.4 Policy rationales as elements of political identity and symbols of difference 192 8.5 Problematizing German interest 196 9.1 Deviating expectations in different funding initiatives of the Sustainability Subdepartment 199 9.2 Policy expectations and mode of science 216 9.3 High expectations, low conceptualisation 228 10.1 Effects of policy on projects: Monitoring as a strategy for stabilizing discourse 233 10.2 Projects between the influence of policy and rooms of adaptation 239 10.3 Project practice: Subversion or compliance? 250 11.1 Discourse stability and discourse change 255 11.2 The BMBF's sustainability concept vs. global sustainable development 262 11.3 Global development as opportunity for German science policy 267 11.4 Further research questions 274 Appendix A-1: Overview of data collected in interviews and from participant observation 277 Appendix A-2: Overview of interview partners 279 Appendix A-3: Example of guidelines used for a semistructured interview 286 Appendix A-4: Example of coverpage and first page of transcription of a semi-structured interview 288 Appendix A-5: Exemplary page of fieldnotes 291 Appendix A-6: Extract from list of codes 292 Appendix B-1: Developing countries and emerging economies with bilateral science, technology and innovation cooperation agreements with Germany 293 Appendix B-2: Overview of main BMBF funding measures for cooperation with developing countries and emerging economies 294 Appendix B-3a: Overview over types of applied project outcomes in the IWRM funding priority 297 Appendix B-3b: Overview over types of applied project outcomes in the Megacities funding initiative 300 Bibliography 303

Sommario/riassunto

New knowledge, created in international cooperation, is essential for global sustainability. Set against this background, this study focuses on German science policy for research cooperation with developing countries and emerging economies in sustainability research. Based on interviews with policy makers and researchers, the book scrutinizes the actors, processes and contents of science policy in Germany. The author argues that science policy mainly aims at German economic benefits and technology development. This, however, negatively influences global sustainability. To counter existing path dependencies, the author provides recommendations for sustainability-oriented scientific practice and science policy.

O-Ton: »How can Cevelopment Cooperation be more sensitive to power relations? - Anna Schwachula on www.developmentresearch.eu.