

# Curriculum Vitae

## Rainer Sauerborn

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### **EDUCATION**

- 4-12/2015 UNIVERSITÉ SORBONNE PARIS-CITÉ  
"Centre de Santé Publique Virchow-Villermé- "MOOC Factory"  
**MOOC didactics and development**
- 07/2005 STANFORD UNIVERSITY, SCHOOL OF MANAGEMENT  
**Executive course on Leadership and Change Management**
- 1997 MEDICAL LICENCING BOARD NORDBADEN, GERMANY  
**Specialty Licence „Tropical Medicine"**  
(Zusatzbezeichnung Tropenmedizin)
- 1990-94 HARVARD SCHOOL OF PUBLIC HEALTH, BOSTON, USA  
**Dr. P.H. (Doctor of Public Health 6/94)** in the Dept. of Population & International Health. Concentration in Health Economics  
*Thesis:* Household strategies to cope with the economic costs of illness. A study of rural communities in Burkina Faso.  
*Honors:* Scholarship of the DAAD (German Academic Exchange Service)
- 1989-90 HARVARD SCHOOL OF PUBLIC HEALTH, BOSTON, MA  
**M.P.H. (Master of Public Health 6/90)**  
Concentration in Epidemiology
- 1983-89 HEIDELBERG MEDICAL SCHOOL, GERMANY  
**Pediatric Specialty Training Certificate/** Facharzt für Pädiatrie (4/89)  
of the German Pediatric Association Pediatric residency with a focus on infectious diseases, neonatal care and tropical pediatrics
- 07/1985-12/1986 LONDON UNIVERSITY, INSTITUTE OF CHILD HEALTH  
**M.Sc. in Mother and Child Health (12/96)**  
*Dissertation:* Predictors of low birth weight for use by trained traditional birth attendants
- 08-09/1979 HEIDELBERG UNIVERSITY TROPICAL HYGIENE & PUBLIC HEALTH  
**Diploma: "Medicine in Developing Countries" (9/79)**
- 01/1978 STATE LICENCING BOARD (ÄRZTEKAMMER) BADEN-WÜRTTEMBERG  
**License to practice as a physician (Approbation)**

- 1975 GERMAN CANCER RESEARCH INSTITUTE (DKFZ), HEIDELBERG, GERMANY – one-year exclusive PhD work  
**Ph.D./Dr.med.** in “experimental carcinogenesis” (12/76)  
*Dissertation:* "Pulse cytophotometric measurement of the DNA-distribution in DMBA-induced cancer of mouse epidermis as well as of healthy and 14-o-TPA stimulated mouse epidermis."  
*Honors:* Magna cum laude
- 1973-76 HEIDELBERG UNIVERSITY MEDICAL SCHOOL  
**MD board exam/Staatsexamen**
- 1970-72 BONN UNIVERSITY MEDICAL SCHOOL  
**Preclinical exam (Physikum)**

### **PROFESSIONAL EXPERIENCE**

- From HEIDELBERG UNIVERSITY  
10/2017 **Appointment as "Senior Professor"**  
N.B. Each year, Heidelberg University awards 10 "Seniorprofessuren"  
These are post-retirement age full-time professorships, which give the awardee the freedom to focus on his/her own research and teaching agenda without administrative or teaching *duties*.
- From HARVARD CHAN SCHOOL OF PUBLIC HEALTH, BOSTON, US  
4/2017 **Visiting Professor of Climate Change and Health**  
Joint project development in "Climate Change and Child Undernutrition",  
MOOC development: "Climate Change and Health".
- Since HEIDELBERG UNIVERSITY MEDICAL SCHOOL, INST. OF PUBLIC HEALTH  
10/2016 **Professor of Climate Change and Global Health**
- 03/1996- HEIDELBERG UNIVERSITY, GERMANY, INST. OF PUBLIC HEALTH  
10/2016 (formerly Dept. of Tropical Hygiene and Public Health)  
**Chair and Director** (since 3/96 and (4/1997 respectively)  
Since 10/2016 Inst. led by Humboldt Professor Till Bärnighausen
- 4/2015- UNIVERSITÉ SORBONNE PARIS-CITÉ, Paris Descartes, Centre Virchow-  
12/2015 Villermé de Santé Publique  
**Visiting Chair**  
Development of MOOCs (Massive Online Open Courses) in Climate Change & Health for different audiences. Established research group: The role of health in climate policy and legislation
- 06/2010- INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC)  
2014 **Lead Author**, Chapter 11 "Human Health", Working Group II, for the 5<sup>th</sup> Assessment Report"

- 2009-2014 UMEA UNIVERSITY, SWEDEN  
DEPARTMENT OF EPIDEMIOLOGY AND GLOBAL HEALTH,  
Centre for Global Health Research  
**Guest Professor** for "Global Health and Climate Change", founded and led the research group "Climate change and health"
- 2000-2004 "SCIENTIFIC ADVISORY BOARD FOR GLOBAL ENVIRONMENTAL CHANGES" (WBGU) OF THE FEDERAL GOVERNMENT OF GERMANY  
Appointed by the Federal Ministers of Science and of the Environment
- 07/1999-6/2011 SPECIAL RESEARCH CENTER (SONDERFORSCHUNGSBEREICH) SFB 544: "CONTROL OF TROPICAL INFECTIOUS DISEASES", DEUTSCHE FORSCHUNGSGEMEINSCHAFT<sup>1</sup>  
Initiated the project, Coordinator (Sprecher) from 7/99 through 6/02, deputy speaker since 7/02 with Hans Georg Kräußlich taking over the Coordinator role.
- 1997-today RESEARCH FOCUS (FORSCHUNGSSCHWERPUNKT) "TROPICAL MEDICINE HEIDELBERG" (GRANT OF THE FEDERAL MINISTRY OF SCIENCE AND TECHNOLOGY 1994-99)  
Coordinator (Sprecher) since 4/1997, reporting to an International Scientific Advisory Board
- 07/1991-02/1996 HARVARD INSTITUTE FOR INTERNATIONAL DEVELOPMENT (HIID)  
Institute Associate (tenure track), from 1993-1996 "Coordinator" of the HIID Health Office (together with anthropologist Jim Trostle)
- 07/1993-02/1996 TUFTS UNIVERSITY, DEPARTMENT OF COMMUNITY MEDICINE  
Associate Clinical Professor  
Course director of "Introduction to Global Health" for MD/MPH students
- 01/1992-today RESEARCH COOPERATION BETWEEN THE "CENTRE DE RECHERCHE EN SANTE DE NOUNA" IN BURKINA FASO AND THE UNIVERSITY OF HEIDELBERG  
Coordinating capacity building, research and teaching cooperation
- 06-09/1986 MEDICAL FACULTY OF OUAGADOUGOU UNIVERSITY, BURKINA FASO  
Visiting scholar  
1) Director of a study on anthropometric risk indicators in newborns. Supervision of two Burkinian and one German doctoral student  
2) Co-founder of the Faculty partnership between the medical faculties of Ouagadougou and Heidelberg Universities.
- 09/1983-09/1989 HEIDELBERG MEDICAL SCHOOL, DEPARTMENT OF PEDIATRICS  
Resident in clinical pediatrics and reader in Tropical Pediatrics and Organization of MCH -Services. Doctoral advisor for two medical students.
- 04-08/1983 KRANKENHAUS SALEM, HEIDELBERG  
Resident in obstetrics and gynecology

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<sup>1</sup> DFG is the equivalent of the National Science Foundation (NSF) of the US

- 09/1979-  
01/1983 DISTRICT HOSPITAL NOUNA, BURKINA FASO  
Head District Medical Officer (Médecin-Chef) of the Nouna district in Burkina Faso, West Africa. Responsible for the management as well as the internal medicine, pediatric, surgical and obstetric care of both the 120-bed district hospital and 12 health clinics in the district (150.000 inhabitants). Duties included: on-the-job training and supervision of the professional staff (63) of the health district, training and supervision of community health workers, mass immunizations, Expanded Program of Immunization (EPI), school health, control of diarrheal diseases, malaria as well of endemic infectious diseases (guinea worm, schistosomiasis, leprosy and trachoma). Care and rehabilitation of malnourished children at the District Nutrition Rehabilitation and Education Center.
- 02-  
08/1979 DUMBARTON DISTRICT HOSPITAL, SCOTLAND  
Senior House Officer in obstetrics
- 09/1977-  
01/1979 ST. JOSEPH KRANKENHAUS, LORSCH, GERMANY  
Resident in general surgery and emergency medicine
- 01-  
08/1977 UNIVERSITY HOSPITAL, HEIDELBERG, GERMANY  
Clinical rotations through internal medicine, surgery and pediatrics.

## **TEACHING EXPERIENCE**

### **1. Postgraduate teaching (at master and doctoral levels)**

**4/2018+** **MOOC: Climate Change and Health, responsible for Module 5 "Research on climate change and health: data sets and methods"** on HarvardX platform, with Harvard Medical School, Harvard School of Public Health and Harvard Global Health Institute

**2018/19** **MOOC: Research methods to study climate impact on health using datasets from Sub Saharan Africa and Asia.** on OpenEdX platform, hosted at Heidelberg University (under preparation)

#### **Courses taught**

**3-5/2018** **EH550 Research Methods to Study the Impact of Climate Change on Health**  
Harvard Chan School of Public Health, Boston, USA. Dept. of Envmtl Hlth.  
Course for master, doctoral level students and post docs- 2.5 credits.

**Launch 2/2017** **MOOC: "Changement Climatique et Santé dans le Context de l'Afrique"**  
In collaboration with the Nouna Health Research Center, Ouaga University and the Burkinian Meteorological Office.  
Platform FUN (France Université Numérique)

**Launch 02/2016** **MOOC: "Climate change and Health: impacts, adaptation and co-benefits"**  
5 wks for all audiences – platform "Iversity, Berlin"

**Launch 10/2015** **MOOC: (massive open online course) "The Health Argument in Climate Negotiation"**  
2-day executive course for policy-makers – platform "Iversity, Berlin" particularly addressing delegations of the Paris Climate Conference 12/2015.

**Since 2012** **Mastère spécialisé de santé publique (Master in Public Health) Pasteur Institute / CNAM, Paris**  
1-day module on climate change and global health

**Since 2015** **Maitrise en Santé Publique (MPH), Ouagadougou University School of Public Health, Burkina Faso**  
Co-developed the master course with the Burkinian counterpart, Prof. Nicolas Méda with a grant of the German Academic Exchange Service (DAAD)  
First intake 10/2015, ongoing (2nd intake in 10/2016)

- Since 2010**      **“Research methods for the study of climate change and health” (three weeks, 5 ECTS credits), Umeå University, Sweden.**  
Course director,  
accredited (5 ECTS) with Umeå University, open to doctoral students and post-doc with a research project on the topic
- Since 2008**      **“Climate change and health: impacts and adaptation strategies” - Short course (two weeks, 3ECTS credits)**  
**Heidelberg University**  
Course director,  
accredited (3 ECTS) with TropEd and ACQUIN, stand-alone module and part of the Master in International Public Health
- Since 2007**      **“Leadership and change management in health care” – Short course (two weeks, 3 ECTS credits), Heidelberg University**  
Course director,  
accredited (3 ECTS) with TropEd and ACQUIN, stand-alone module and part of the Master in International Public Health
- Since 2006**      **“Financing health care in developing countries (focus insurance)” – Short course (two weeks, 3 ECTS credits), Heidelberg University**  
Course director,  
accredited with TropEd and ACQUIN, standalone module and part of the Master in International Public Health
- 2002-2011**      **Graduate doctoral program “GK273 Epidemiology of infectious and non-communicable diseases and their interaction”, Heidelberg University (Coordinator: Heiko Becher)**  
Taught epidemiological and demographic field methods, health outcomes assessment. Supervised three doctoral students.
- 2005-2017**      **M.Sc. of International Public Health, HEIDELBERG UNIVERSITY**  
**Course director**  
Led development of modular curriculum structure and integration with European Master program "TropEd". Taught multiple courses/lectures. Supervised 40+ M.Sc. students.  
The course covers the field of public health viewed from an international angle. It is built in a modular way: a base module of 20 ECTS is compulsory for all, thereafter the course splits in 2 tracks:  
1) **European track** (within the TropEd network of 29 European Universities): exchange of at least 15 ECTS of mutually accredited courses with a European partner university, M.Sc. (20 ECTS) at Heidelberg University  
2) **Heidelberg track** – this allows the student to take the entire course at Heidelberg University. 20 ECTS points of short two weeks teaching module can be picked from a menu of currently 11 courses. Students in both tracks need to write a dissertation (20 ECTS).  
The marginal costs of the course are covered by tuition (16k€/y)

- 2002-2004**      **M.Sc. of Health Economics – course director  
HEIDELBERG UNIVERSITY and  
NATIONAL ECONOMICS UNIVERSITY, HANOI**  
**Developed and taught 20% of new course**  
Leading to a Heidelberg University M.Sc. degree  
This was a full time one-year course on health economics, taught by Heidelberg University faculty, funded by The World Bank. Continuation as Master course of Hanoi University was planned.
- 1991-02/1996**      **HARVARD SCHOOL OF PUBLIC HEALTH**  
*Guest lecturer:*  
(i) "Geographical information systems - a tool for decision making for health planners and managers" in the executive summer course "Management of Health Care in Developing Countries" (course director: Paul Campbell).  
(ii) "Combining qualitative and quantitative field methods" in the course "Epidemiological Field Methods" (course director: Uwe Brinkmann).  
(iii) "Malaria - its economic impact on households", in the course "Biology, epidemiology and economy of malaria" (course director: Andrew Spielman).  
(iv) "The effect of introducing user fees on health care utilization in low income countries", in "Health Care Financing" (Course Director Bill Hsiao)  
(v) "The impact of illness on the household economy", in the course "Health and the Household Economy in Developing Countries" (course director: Peter Berman).  
(vi) "Sampling and implementation of a household panel survey in Burkina Faso" in "Field population research methods" (Course directors: Gretchen Berggren, John Wyon, Nevin Scrimshaw)
- 1994-96**      **HARVARD INSTITUTE FOR INT'L DEVELOPMENT**  
(i) **Course Director of the "Executive Summer Course in Health Care Financing in Developing Countries"** (6 weeks). The curriculum development, the first course was scheduled for summer 1996, but not held because of my departure to Heidelberg.  
(ii) Curriculum development of the health care modules for the IDB Executive Summer Course "**Social Sector Policy in Latin America**". The modules deal with:  
  - Assessment of the efficiency and equity effects of health systems
  - The optimal roles of the public and private sectors within health systems
  - The contribution of the health sector for production and economic growth
  - National Health Accounts
  - The Disability Adjusted Life Years (DALY) approach for prioritizing health care interventions based on cost-effectiveness
- 1995, 1998**      **HEALTH SERVICES ACADEMY, ISLAMABAD, PAKISTAN**  
**Health economics** module in the MPH program

**1986-89**      **PEDIATRIC HOSPITAL OF HEIDELBERG UNIVERSITY, SCHOOL OF NURSING**  
**Bedside teaching** for MD students; lecturing in tropical pediatrics, international health and health system research. Co-supervisor of two doctoral students.

**1983-  
today**      **HEIDELBERG INSTITUTE OF TROPICAL HYGIENE AND PUBLIC HEALTH**  
Lecturer in the course "**Medical care in developing countries**".  
Subjects: Global health policy, immunization, management of district health care, monitoring and evaluation

**1983-  
1985**      **PEDIATRIC HOSPITAL OF HEIDELBERG UNIVERSITY, SCHOOL OF NURSING**  
Courses in anatomy, physiology and clinical medicine

## **2. Graduate teaching (for medical students)**

**1996-  
2017**      **HEIDELBERG MEDICAL SCHOOL**  
**Graduate teaching (medical students), under the HeiCuMed program**

- Developed and convened a three-week full-time module on Public Health for medical students (module leader): Health economics, prevention, health services delivery, health systems, global health
- Public Health of Infectious diseases

**1993-  
02/1996**      **TUFTS UNIVERSITY, MD-MPH program**  
As associate clinical professor, taught the module "**International Health**" for students in the MPH/MD program.

## **3. Undergraduate teaching**

**9/2019**      **Future Academy of the Studienstiftung des Deutschen Volkes and St John's College, Cambridge**  
Working Group: Health – the human face of climate change

**2015**      **Studium Generale**  
Lecture "Aging in low and middle-income countries"

**2011**      Lecture "Climate change and health"



## **RESEARCH and TEACHING GRANTS**

### **1) Acquired grants**

#### **Summary:**

After appointment as Chair in Heidelberg (1998-2019) 51.7 million € = 2.5 m €/year  
 At Harvard University HIID (1992-1997) 6.8 million \$ = 1.4 m \$/year  
 At Heidelberg University Hospital (1985-1993) 1.7 million DM = 0.19 DM/year  
 (during pediatric specialty training)

<b>Year</b>	<b>x 1,000 €</b>	<b>Funding source</b>	<b>Project -#</b>	<b>Project description</b>
2018-2024	10,000 (=ten million €)	DFG/German Science Foundation	FOR2036	Climate Change and Health in Sub-Saharan Africa (Collaborative Grant comprising 9 PIs, from 5 German, 1 Swiss and 2 African research institutions) – RS Lead PI/coordinator. Project funded as of 7/2019 for 3 y (5m) thereafter prolongable for another 3 years)
2017/8	60	ESA Contract No. 4000122223/17/NL/NR	MyFoodS	Monitoring Micro Yields for assessing Food Security and Malnutrition through remote sensing
2017-9	65	Humboldt Professorship Bärnighausen und eigene Bonusmittel	NUTRI-CLIM	Linking rainfall variability, households' food crop harvests, socio-economic factors and childhood malnutrition and survival in Nouna, Burkina Faso
2015-2020	307	BMBF/DZIF	HepEpiAfr	Epidemiology of chronic viral Hepatitis in Nouna, Burkina Faso, Co-PI
2015-2018	250	BMBF/DZIF	TI-APS	Infrastructural measure: Strengthening research capacity of African DZIF partners (PI Jürgen May)- Co-PI
2014-2018	1,300	EU-JPI	HOPE	Household Preferences for reducing greenhouse gas Emission on four European High-Income Countries, Lead PI/Coordinator
2013-2016	480	Lautenschläger Foundation	EMIRA	Ecological Malaria Management in Burkina Faso, PI
2013-2015	487	World Bank	PBF-base	Scientific evaluation of a nationwide policy introducing performance-based incentives into mother and child care-PI
2013-2015	52	World Bank	PBF-pilot	Scientific evaluation of a nationwide policy introducing performance-based incentives into mother and child care -PI
2012-2015	220	DAAD	PAGEL 56267632	Master and Doctoral program in Public Health with and at Ouagadougou University, Burkina Faso - PI
2010-2015	305	EU-FP7	ISSC	An integrated surveillance system for infectious disease in rural China: generating evidence for early detection of disease outbreaks in resource-poor settings (WP leader with Hengjin Dong) 7th Framework Program EU – Co-PI
2012-2015	600	Federal Ministry of Research (BMBF), Helmholtz Society	DZIF (German Center for Infectious Disease Research)	(i) Infrastructural measure: Strengthening research capacity of African DZIF partners (PI Jürgen May) Co-PI (ii) Sub-project 8.4. Malaria co-infections (PI Jürgen May) – Co-PI
2009-2014	3,000	EU-FP7	QUALMAT	Improving the quality of maternity care through performance-based incentives and clinical decision support systems (partners: Karolinska Institute, Sweden; Gent University, Belgium; Nouna Health Research Center, Burkina Faso; Navrongo Health Research Center, Ghana; Muhimbili University, Tanzania). Lead PI

2011/2	220	BMBF/ Helmholtz Society	DZIF	Pilot project: Analyzing capacity and capacity needs of four African Research (partners: Nouna, Burkina; Kumasi, Ghana; Lambaréné (Tübingen) and Mbeya (München)) Co-PI
2010- 2013	240	French Ministry of Research	PALUCLIM	Biological larvicidal control measures on surface water collection, guided by risk maps from remote sensing of land cover and land use, PI
2011	2,5	UNESCO	CLIMIMO	Climate change, migration and mortality in 13 research sites of the INDEPTH network in Africa and Asia, PI
1999- 2011	1,500 /y	DFG	SFB 544	Control of tropical infectious diseases (Lead PI 1999-2011, deputy PI from 2003 to 2011) Ad personam projects within the SFB: ➤ Project D2: Community-based health insurance 1999-2011 ➤ Project D5: Economic evaluation of interventions delivered at the community level (Co- PI with C. Schmidt (PI) and R. Baltussen) 1999-2002 ➤ Project Z1: Speaker of the SFB 1999-2002
2010	85	WHO	CRA_ Mal/Den	Climate attributable changes of the burden of disease from Malaria and Dengue – Global Burden of Disease Program (from Umeå professorship) - PI
2005	300* /2y	BMBF <sup>2</sup>	Sustaina ble megaciti es of the future	Joint project* with Prof. B. Eitel as Principal Investigator, project pilot phase under the “Megacities of Tomorrow” BMBF Focus (Schwerpunktprogramm), with BASF, City Council of Heidelberg, Dept of Environment, and other private and public institution of the Metropolitan Area of Rhein-Neckar. Investigator
2005	750	State Ministry of Research Baden-W.	CRSN-3	Follow up grant on CRSN-2 (together with Prof. Kräußlich). The focus of this grant is on creating clinical research capacity in conjunction with the local district hospital and to create the capacity to integrate environmental/climate data in the demographic surveillance. Co-PI
2004	1,100	World Bank	M.Sc. IPH	Development and teaching of a new track “International Health Care Management” within the accredited M.Sc. in International Public Health (M.Sc. IPH) - PI
2002	750	State Ministry of Research Baden-W.	CRSN-2	Follow up grant on CRSN-1. The focus of this grant is on creating clinical research capacity in conjunction with the local district hospital and to create the capacity to integrate environmental/climate data in the demographic surveillance. Co-PI
2002	1,300 <sup>3</sup>	DFG	GK793	Research Training Group GK 793 “Epidemiology of communicable and non-communicable diseases and their interaction” (PI/Coordinator: Heiko Becher, Dept. of Tropical Hygiene and Public Health). This was a post graduate research program, which funded 15 doctoral fellows, of whom 2 were supervised by RS.
2002	800/ 3y	EU-FP6	MAMOP	Improving the management of childhood malaria: an experiment to bridge the gap between mothers and health care providers. With Karolinska Institute, Nouna Health Research Center, Burkina Faso and Muhimbili University, Tanzania. PI/Coordinator.

<sup>2</sup> BMBF=Federal Ministry of Research and Education of Germany

<sup>3</sup> This is the sum for the ENTIRE postgraduate program, in which RS tutors 2 of 15 doctoral students, GK coordinator is Heiko Becher of the Institute of Public health (Deputy Director)

2001	97/1y	EU-FP6	LINK_HS R-TAP	Establishing and reinforcing links between EU-financed health systems research and technical assistance projects for health sector reform policy development in countries from the south: 7 partners from EU and developing countries. PI-Coordinator.
2000	250/2y	World Bank	M. Sc. in Health Economics(Hanoi)	A Heidelberg teaching export: M.Sc. Health Economics: Curriculum development and first round of teaching in Hanoi, Vietnam. PI.
2000-2004	120	BMBF	WBGU	Research assistant (1/2 position for 4 years) to the RS as member of the „Scientific Council to the Federal Government on Global Environmental Change" ("Wissenschaftliche Beirat der Bundesregierung zu globalen Umweltveränderungen (WBGU)") Supervisor of Assistant.
1999	750	Land of Baden-Württem.	Cooperation with CRSN <sup>4</sup> ,	Infrastructure and running costs for a multi-disciplinary Nouna Health Research Center as Partner of the SFB - PI.
1998	440	EU, FP5		Strategies to improve the use of research for health sector reform (concerted action with 11 partners) - PI
1995	3,300	World Bank		Technical Assistance to the Palestinian Health Authority, at Harvard Institute for International Development (HIID) PI
1995	280	EU	-	Community-based Prepayment and Health Insurance Schemes in Rural Burkina Faso and Ghana: an Intervention Study. Partners: London School of Hygiene and Trop. Med., Ghana Ministry of Health, Burkina Faso Ministry of Health. PI/Coordinator
1995	64	World Bank	48-092-0001-1-30	6-week course "Econometric modeling of health care demand" - instructor: Paul Gertler (out of HIID) Instructor
1985	427	EU	TSD-053-D(B)	Solenzo Gesundheitssystemforschung, Burkina Faso PI (with Hans Jochen Diesfeld)
1994	775	German Ministry of Science & Technology	01KA9301	The impact of improving mothers' home treatment and mothers' access to health services on infant mortality (Burkina Faso) PI (with Hans Jochen Diesfeld)
1994	54	UNICEF	94-043	"Child Survival Bridge Project", Cameroon (out of HIID) PI
1993	1,912	USAID	631-0056-C-00-7096-00, a	"Maternal and Child Health Project", Cameroon, project extension (1 year) (out of HIID)
1993	507	EU	TS3 CT 92-0078	Idem, project extension (2 years) - PI
1989	585	EU	TS2-0306 D(MB)	Burkina intervention study to assess health impact of health policy changes, Burkina Faso, PI
1985	640	EU	TSD-053-D(B)	Solenzo Health System Research Project, Burkina Faso - Co-PI (with Hans Jochen Diesfeld)

<sup>4</sup> CRSN=Centre de Recherche en Santé de Nouna, Burkina Faso

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Acronyms:

**BMBF:** Federal Ministry of Research and Education, Germany

**ERA:** European Research Area -overarching EU program to promote research EU wide collaborative res.

**ESA:** European Space Agency

**DFG:** German Research Foundation, German public funding source for university-based research

**DZIF:** German Center for Infectious Diseases Research

**ERA4CS:** European Research Area Programme for the Development of Climate Services

**FP5:** 5<sup>th</sup> Framework program of the EU (2007-2013)

**Horizon 2020:** Biggest EU research funding program (€80 billion 2014-2020), part of ERA

**JPI:** EU Joint programming initiative, part of ERA to support research on priority areas, e.g. JPI on Agriculture Food Security and Climate Change.

**SFB:** Collaborative Research Grant, up to 12 y duration, evaluated every 3 years, on average 15 PIs

## **2) HOSTING OF GRANTEES of HUMBOLDT FOUNDATION & GERMAN SCIENCE FOUNDATION (DFG\*)**

<b>Name</b>	<b>Title</b>	<b>Award period</b>	<b>Granting Institution</b>	<b>Amount (€)</b>	<b>Alma mater of grantee</b>
Bärnighausen, Till	Humboldt Professor of <i>Global Health</i>	2015-2020	Alexander v. Humboldt Foundation	5.000.000	Harvard University
Mahandradhata, Yodi	Humboldt visiting scholar, <i>Health Systems</i>	2014	Alexander v. Humboldt Foundation	110.000	Gadha Mada University, Indonesia
Mandayanaka, Maduni	German Chancellor's Leadership Scholarship. Topic: <i>Dengue Control</i>	2012	Alexander v. Humboldt Foundation	80.000	Colombo University Sri Lanka
Wilder-Smith, Annelies	Mercator Guest Professor <i>Public Health</i>	2011-2012	*Deutsche Forschungsgemeinschaft	120.000	Singapore National University
Martens, Pim	Humboldt Bessel Prize, <i>Climate Change and Health</i>	2003	Alexander v. Humboldt Foundation	60.000	Maastricht University, NL

\*DFG= German Science Foundation, comparable to US National Science Foundation

### **CONSULTING**

I stopped accepting consultancies in 1998

- 1997 Étude de faisabilité pour un observatoire de santé au Mali. Bamako Mali. (for the Projet de Santé Publique et d'Hydraulique Rurale (funded by World Bank, UNICEF, USAID and KfW). March 1997.
- 1996 Teaching of Health Economics Module at the Health Services Academy, Islamabad, Pakistan.
- 1995 Participation in a team of EC-consultants assisting the Ministry of Health of Palestine in the Development of a Strategy for future health research in Palestine, Gaza, Palestine, September 18-21, 1995 (for the EC).
- 1995 Curriculum development for the post-graduate course in "Health Economics" of the new MPH course of the "Health Services Academy, Islamabad" of the Ministry of Health, Islamabad, Pakistan. July 20 – August 8, 1995 (for GTZ).
- 1995 Member of expert panel for the review of research proposals in the field of vaccine development and applications submitted to the European Community. Brussels, Belgium, June 19-23, 1995 (for the EC).
- 1995 Modeling the elasticity of demand for health care in urban Bolivia (with Marina Cárdenas and Paul Gertler), UDAPSO-project, Harvard (for USAID).
- 1994 Design and implementation of a Geographical Information System for the Social Sector of Bolivia. UDAPSO project, Bolivia. Harvard (for USAID).
- 1992 Design of a Health Management Information System for the MCH project, Yaoundé, Cameroon, Harvard (for USAID).
- 1991 Co-financing and Co-management of provincial health services through "Provincial Health Funds" in Cameroon, MCH-project, Yaoundé, Cameroon, Harvard (for USAID).
- 1986 Development of anthropometric predictors of low birth-weight for the MOH, Burkina Faso (for the EC).

## **AWARDS**

- Chevalier de l'Ordre National du Burkina Faso, 2004 (equivalent to the German "Bundesverdienstkreuz")
- INDEPTH mentorship award 2009
- Scholarship of the DAAD (German Academic Exchange Service), special award for epidemiology (1989-91) Master and Doctor of Public Health (M.P.H. and Dr.P.H.)
- Magna cum laude (MD-Ph.D. thesis)
- Scholarship of the "Studienstiftung des Deutschen Volkes" (1970-76) – comparable to the Rhodes fellowship program of the US, since 2001 Mentor of Studienstiftung scholars

## **LANGUAGES**

	Fluent	Good	Basic
German	native		
English	X		
French	X		
Spanish	X		
Latin		reading	
Bambara*		X	
Turkish		X	
Swedish		X	

\*language spoken in Mali and large parts of Burkina Faso

## **COMPUTER SKILLS**

Statistics/Econometrics	SPSS, Stata, SAS, R
Demography	Mortpak (indirect estimation of mortality and fertility),
GIS	ArcView
Qualitative research	NVivo , Ethnograph, AtlasTi,
Relational database	Microsoft Access
Spreadsheet	Excel
Project planning	Microsoft Project, On Target
Staff management	Manage Pro
Word processing	Word
Bibliographic software	Reference manager, Endnotes
Graphics	Draw, Corel, Micrografix Designer Suite
Presentations	Power Point
Concept development	Mind Manager

## ***SERVICE ON SCIENTIFIC ADVISORY BOARDS***

**Leopoldina – Nationale Akademie der Wissenschaften, German National Academy of Science**, Member of the Scientific Committee „Health“, since 2013.

**Austrian Panel on Climate Change**. Co-author on "Special Report on Climate Change, and Demography", since 7/2017.

**Institut Pasteur, School of Public Health (with CNAM)**, since 1/2007.

**Wellcome Trust, UK**, 2/2002 through 2/2004, and from 2011 to 2015.

**Sanofi (Pharmaceutical Company)**, France, Scientific Advisory Council on "Climate Change and Health" (2015)

**Ministère de l'Ecologie et du Développement Durable, Gouvernement Français** : Conseil Scientifique: Gestion des Impacts du Changement Climatique (GICC)=Managing the impacts of climate change, since 2005.

**German Federal Government**; Scientific Advisory Board for „Global Environmental Change and Health“ **Wissenschaftlicher Beirat der Bundesregierung für Globale Umweltveränderungen - WBGU** (appointment by Federal Cabinet decision) 2000-2004.

**National Committee for Global Change Research, NKGCF, German Science Foundation (DFG)** 2001-2005.

**Conseil Scientifique International, Centre de Recherche en Santé**, Nouna, Burkina Faso (since 2000)

**Micro Insurance Academy, New Delhi**. Member of the Advisory Board, since 8/2007.

**Turkish-German Health Foundation**, Member of the Scientific Advisory Board, since 2002.

**INDEPTH Research Network** (Intl. Network of Research sites with Demographic Evaluation of Populations and Their Health), Scientific Advisory Council, 2002-2007.

**Emerging Diseases in Europe Network (EDEN)** Scientific Advisory Board Member, Coordination: Oxford University, 2005-2007.

**Earth System Science Program (ICSU)**, Member of writing team of science plan for project: Human Health and Global Change. 11/2003-10/2005

**Université Pierre et Marie Curie, Paris** Conseil Scientifique de l'Ecole Doctorale de Santé Publique, since 2001.

## ***MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS***

Leopoldina – Nationale Akademie der Wissenschaften - Health Committee (2016-2018)  
International Health Economics Association (IHEA)  
International Union for the Scientific Study of Populations (IUSSP)  
American Public Health Association (APHA)  
International Society for Quality of Care (ISQua)  
International Physicians for the Prevention of Nuclear War (IPPNW)  
New York Academy of Sciences  
Turkish-German Health Foundation  
German Association of Tropical Medicine (DTG)  
German Association of Tropical Pediatrics  
Gesellschaft Deutscher Naturforscher und Ärzte  
International Society of Travel Medicine

## ***PERSONAL INFORMATION***

Born on March 1, 1952 in Waldniel/Niederrhein, Germany  
Married to Eser Sauerborn MD, since 1986  
Four children: Djan, born 1986 (boy), Mayda, born 1989 (girl), Timur, born 1992 (boy) and Ela, born 1993 (girl)  
Hobbies: classical music, playing the piano, ethnic cooking, jogging, gardening, hiking, cross-country skiing, cycling, world history, comparative philosophy



## DOCTORAL STUDENTS AND HABILITATIONS

### 1. DOCTORAL DISSERTATIONS

#### 1.1. COMPLETED DISSERTATIONS (46)

Summa cum laude: 10/46 = 21.7% (Heidelberg University, average: <1%)

Magna cum laude 26/46 = 56.5%, Cum laude 15%, Failed: none

Average time-to-degree: 4,0 years, 50% women

#	Name, first name	Country of origin	Discipline of candidate	Degree	Date of award	Durat'n (years)	Grade awarded
46	Codyre, Patricia	Ireland	Informatics	Dr. Sc.	2018	7	Cum laude
45	Herrmann, Alina	Germany	Medicine	Dr. med.	2018	4	<b>Magna cum laude</b>
44	Bunker, Aditi	N Zealand	Public Health	Dr.Sc.	2018	4	<b>Summa cum laude</b>
43	Belesova, Kristine	Latvia	Nutr.Epidem	Ph.D.*	2018	4	only pass/fail
42	Farzana, Yazmin <sup>o</sup>	Bangladesh	Medicine	Dr.med.	2018	5	Magna cum laude
41	Savadogo, Germain	Burkina F	Economics	Dr.Sc.	2017	5	Magna cum laude
40	Saronga, Happiness	Tanzania	Economics	Dr.Sc.	2017	4	Cum laude
39	Yé, Maurice	Burkina F	Medicine	Dr. med.	2017	5	Magna cum laude
38	Lietz, Henrieke	Germany	Management	Dr.Sc.	2017	4	Cum laude
37	Dalaba, Maxwell	Ghana	Economics	Dr.Sc.	2016	3.5	Magna cum laude
36	Haq, Aminul	Bangladesh	Sociology	Dr.Sc.	2015	3.5	<b>Summa cum laude</b>
35	Stahl, Christian	Germany	Economics	Dr.Sc.	2015	4	Cum laude
34	Anja Kluge <sup>o</sup>	Germany	Polit.sciences	Dr.rer.pol.	2015	5	Magna cum laude
33	Cofie, Patience	Ghana	Journalism	Dr.Sc.	2015	6	Cum laude
32	Ding, Yan	China	Management	Dr.Sc.	2015	3.5	Magna cum laude
31	Aji, Budi	Indonesia	Sociology	Dr.Sc	2014	5	Magna cum laude
30	Shafiu, Mohammed	Nigeria	Pharmacy	Dr.Sc.	2014	4	<b>Summa cum laude</b>
29	Prytherch, Helen	U.K.	Public Health	Dr.Sc.	2013	3	<b>Summa cum laude</b>
28	Robyn, Jake	USA	Sociology	Dr.Sc.	2013	4	Magna cum laude
27	Hii, Yien Ling <sup>oo</sup>	Singapore	Statistics	Ph.D.	2013	4	Swedish Ph.D.: passed
26	Parmer, Divya	India	Economcis	Dr.Sc.	2012	4	Magna cum laude
25	Dambach, Peter	Germany	Geography	Dr.Sc.	2012	3	<b>Summa cum laude</b>
24	Yrjoe-Koskinen,Jaakko	Finland	Medicine	Dr.Sc.	2012	5	Magna cum laude
23	Shafik, Amal	Egypt	Dentistry	Dr.Sc.	2012	4	Magna cum laude
22	Ahmad Malak	Pakistan	Medicine	Dr.med.	2011	3	Magna cum laude
21	Yamamoto, Shelby	Canada	Env'tl health	Dr.Sc.	2010	4	Magna cum laude
20	Pfeiffer, Karolin	Germany	Medicine	Dr.med	2009	5	Magna cum laude
19	Gnawali, Devendra	Nepal	Economics	Dr.Sc.	2009	2.5	Cum laude
18	Loukanova, Svetla	Bulgaria	Medicine	Dr.med	2008	3	Magna cum laude
17	Carrera, Percivil	Phillippines	Law	Dr.Sc.	2007	3	Magna cum laude
16	Akunne, Anayo	Nigeria	Pharmacy	Dr.Sc.	2006	3.5	Magna cum laude
15	De Allegri, Manuela	Italy	Sociology	Dr.Sc.	2005	3	<b>Summa cum laude</b>
14	Yé, Yazoumé	Burkina Faso	Geography	Dr.Sc.	2005	3	Magna cum laude
13	Zoungrana, Alfonse	Burkina Faso	Medicine	Dr.Méd***	2005	3	Distinction
12	Mujinja Phare	Tanzania	Ecnomics	Dr.Sc.	2005	4	Magna cum laude
11	Wladarsch, Evelyn	Germany	Ethnology	Dr. phil**	2004	4	<b>Summa cum laude</b>
10	Pokhrel, Subhash	Nepal	Ecnomics	Dr.Sc.	2004	2.5	<b>Summa cum laude</b>
9	Hayat, Budi	Indonesia	Ecnomics	Dr.Sc.	2004	3	<b>Summa cum laude</b>
8	Horchler, Sonja	Germany	Sociology	Dr.Sc.	2004	4	Magna cum laude
7	Mietens, Annette	Germany	Medicine	Dr.med.	2004	3	Cum laude
6	Usfar, Avita	Indonesia	Nutrition	Dr.Sc.	2003	3	Magna cum laude
5	Mugisha, Fred	Uganda	Statisticis	Dr.Sc.	2002	2.5	Magna cum laude
4	Sameen, Siddiqi	Pakistan	Medicine	Dr.med.	2002	4	Magna cum laude
3	Kowalewski, Marga	Germany	Medicine	Dr.med.	2001	3	Magna cum laude
2	Roll, Clemens	Germany	Medicine	Dr.med.	2000	4	Magna cum laude
1	Benzler, Justus	Germany	Medicine	Dr.med.	2000	4	Magna cum laude

\* with Prof. Paul Wilkinson, London Scholl of Hygiene and Tropical Medicine

\*\* Doctoral supervision with Prof. J. Wassmann, Institute of Ethnology, Heidelberg University

\*\*\* Doctorat en Médecine", Co-tutor with Prof. M. Sawadogo, Dean, Medical Faculty, Ouagadougou

- Co-supervised with Prof. Subratha Mitra, Political Science, South Asia Institute
- Co-supervised as guest professor at Umeå University with Drs. Nawi Ng and Joacim Rocklöv as supervisors

## 1.2. DISSERTATIONS CURRENTLY UNDER SUPERVISION (10)

89% women

	Name, first name	Country of origin	Discipline of candidate	Start	Planned defense	Degree
11	Claudia Quitmann	Germany	Medicine	2020	2023	Dr.med.
10	Aristide Quédraogo	Burkina Faso	Mathematics. statistics	2020	2023	Dr.Sc.
9	Raissa Sorgho	Burkina Faso	Biology, MPH	2018	2022	Dr.Sc.
8	Isabel Mank	Germany	Health Communication	2017	2020	Dr.Sc.
7	Pascal Zabré	Burkina Faso	Demography	2017	2020	Dr.Sc.
6	Mariam Seynou	Burkina Faso	Medicine	2017	2020	Dr.med.
5	Rasmila Kawan	Nepal	Nursing	2016	2018	Dr.Sc.
4	Johanna Kompenhans <sup>◦</sup>	Germany	Medicine	2016	2020	Dr.med.
3	Bilkis Banu <sup>◦</sup>	Bangladesh	Education	2015	2018	Dr.Sc.
2	Alexandra Claus	Germany	Dentistry/oral health	2013	2017	Dr.Sc.
1	Ramona Popilian <sup>◦</sup>	Germany/Romania	Medicine	2008	2017	Dr.med.

Dr.Sc. is the abbreviation for Dr. scientiarum humanarum

\*\*with cand. habil. Dr. Svetla Loukanova

◦ with cand. habil. Dr. Aurélia Souares

## 2. HABILITATIONS

(=Postdoctoral degree, required to be appointed to a professoral position in Germany, Austria, Switzerland, France and other countries)

Overall: 40% women

### 2.1. COMPLETED HABILITATIONS (12)

	Name, first name	Country of origin	Field of candidate	Degree	Year of award
12	Olaf Horstick	Germany	Public Health	Dr. habil. In Public Health	2018
11	Louis, Valérie	France	Environmental epidemiology	Dr. habil. in Public Health	2017
10	Svetla Loukanova	Bulgaria	Public Health	Dr. habil. in Public Health	2016
9	Zanger, Philipp	Germany	Public Health	Dr. habil. in Public Health	2014
8	De Allegri, Manuela	Italy	Health economics	Dr. habil. in Public Health	2013
7	Wilder-Smith, Annelies	Netherlands	Public Health	Dr. habil. in Public Health*	2011
6	Meissner, Peter	Germany	Tropical Medicine	Dr. habil. in Trop. Medicine	2010
5	Junghanss, Thomas	Germany	Tropical Medicine	Dr. habil. in Trop. Medicine	2007
4	Marx, Michael	Germany	Public Health	Dr. habil. in Public Health	2006
3	Müller, Olaf	Germany	Public Health		2004
2	Razum, Oliver	Germany	Public Health		2003
1	Jahn, Albrecht	Germany	Public Health		2001

\*Change of habilitation ("Umhabilitation") from the "National University of Singapore"

**2.2. HABILITATIONS CURRENTLY UNDER SUPERVISION (2)  
or INTERRUPTED BECAUSE OF PROFESSORAL APPOINTMENT ABROAD (1)**

66% women

	<b>Name, first name</b>	<b>Country of origin</b>	<b>Field of candidate</b>	<b>Degree</b>	<b>Year of award</b>
3	Dambach, Peter	Germany	Public Health	Dr. habil. in Public Health	2019
2	Souarès, Aurélia	France	Public Health	Dr. habil. in Public Health*	2018
1	Phalkey, Revati	India	Public Health	Candidate was appointed as assistant professor at Nottingham university/UK in 2015	

## **PUBLICATIONS**

### **Reviewer for several journals and organizations**

New England Journal of Medicine, Proceedings of the National Academy of Sciences (PNAS), Lancet, Lancet Infectious Diseases, J of the Royal Society, Health Economics, Social Science and Medicine, Malaria Journal, American Journal of Public Health, International Journal for Quality of Care, Tropical Medicine and International Health, Health Policy and Planning, Bulletin of WHO, Scandinavian Journal of Public Health, BMC Health Research Policy and Systems, Global Health Action, Experimental and Clinical Endocrinology & Diabetes, PLOS Medicine, PLOS One, Environmental Health Perspectives.

Reviewer for the Federal Ministry of Research and Education (BMBF), the German Science Foundation (DFG), the Humboldt Foundation, the Wellcome Trust (UK), L'Agence Nationale de la Recherche (Paris), and Institut Pasteur (Paris), Israeli Science Foundation, Austrian Panel on Climate Change (APCC), Canadian Climate Change & Health Assessment (CCHA).

IPCC: Reviewer for:

6<sup>th</sup> Assessment Report, Part II, Chapters on Health, Nutrition, Agriculture and Africa, First-Order Draft, IPCC, 2019.

Special Report "Global Warming of 1.5 degree", IPCC, 2018.

4<sup>th</sup> Assessment Report, Working Group II, "Impacts, Adaptation and Vulnerability", Chapter 8, First Order Draft, IPCC, 2006

MEA: Reviewer for the Millennium Ecosystem Assessment under the auspices of WHO.

### **Editorial board work**

PNAS, theme editor for climate change and health

BMC Public Health, Associate editor

Global Health Action, Associate editor

### **Citation indexes** (Google Scholar, accessed on June 18, 2020)

	all	since 2015
Total citations	13,462	7,475
h-index	59	39
i10-index	152	123

### **Summary** (as of June 15, 2021)

220 Peer-reviewed publications

38 Book chapters

4 Books

1 Lead authorship for the IPCC Report AR5, WGII, Chapter 11 "Human Health", 2014

5 Policy white books (co-author) on "Global Environmental Changes" for the Scientific Advisory Board to the German Federal Government (WBGU).

6 Policy papers for the EU Commission

13 Internally reviewed discussion papers at Heidelberg/Harvard Universities.

182 Presentations, keynotes and posters at International Conferences.

1 Harvard Teaching Case, Harvard Institute for International Development.

## (i) Peer-reviewed published or accepted journal articles (221)

### 2020

221. Mank I, Vandormael A, Traoré I, Ouédraogo A, Sauerborn R, Danquah I (2020) Dietary habits associated with growth development of children aged < 5 years in the Nouna Health and Demographic Surveillance System, Burkina Faso. *Nutrition Journal* (accepted).
220. Schwerdtle PN, McMichael C, Mank I, Sauerborn R, Danquah I, Bowen KJ (2020) Health and migration in the context of a changing climate: a systematic assessment. *Environmental Research Letters*. Accepted.
219. Karst IG\*, Mank I\*, Traoré I, Sorgho R, Stückemann K-J, Simboro S, Sié A, Franke J°, Sauerborn R° (2020). Estimating main crop yields of micro fields in rural subsistence farming systems to study household food security in Burkina Faso. *Remote Sensing* 12(11)1717; <https://doi.org/10.3390/rs12111717>.
218. Yazmin F, Nahar N, Banu B, Ali L, Sauerborn R, Souares A (2020) The influence of mobile phone-based health reminders on patient adherence to medications and healthy lifestyle recommendations for effective management of diabetes type 2: a randomized control trial in Dhaka, Bangladesh. *BMC Hlth Serv Res* 20:520, <https://doi.org/10.1186/s12913-020-05387-z>
217. Herrmann A, Sauerborn S, Nilsson M (2020) The role of health in households' balancing act for lifestyles compatible with the Paris Agreement – qualitative results from the German sample of a European mixed-methods study. *Int J Environ Res & Public Health* (accepted).
216. Yasmin F, Ali L, Banu B, Rasul F, Sauerborn R and Souares A (2020) Understanding patients' experience living with type 2 diabetes and effective disease management: a qualitative study following a mobile health intervention in Bangladesh, *BMC Public Health* 20:29. [doi.org/10.1186/s12913-019-4811-9](https://doi.org/10.1186/s12913-019-4811-9)

### 2019

215. Dambach P, Baernighausen T, Traoré I, Ouédraogo S, Sié A, **Sauerborn R**, Becker N, Louis VR, (2019) Reduction of malaria vector mosquitoes in a large-scale intervention trial in rural Burkina Faso using Bti based larval source management. *Malar J* 18, 311 (2019). <https://doi.org/10.1186/s12936-019-2951-3>
214. Barteit S, Sié A, Yé M, Depoux A, Louis VR, **Sauerborn R** (2019) Lessons learned on teaching a global audience with massive open online courses (MOOCs) on health impacts of climate change: a commentary. *BMC Globalization and Health* (accepted).
213. Hillebrecht M, Klonner S, **Sauerborn R**, Sié A, Souares A (2019) The Demand for Health Insurance in a Poor Economy: Evidence from Burkina Faso. *Economic Development and Cultural Change* (accepted).

212. Belesova K, Gornott C, Milner J, Sié A, **Sauerborn R\***, Wilkinson P (2019) Mortality Impact of Low Annual Crop Yields in a Subsistence Farming Population of Burkina Faso under the Current and a 1.5°C Warmer Climate in 2100. *Science of the Total Environment*. 691:538-548. \*shared last authorship.
211. Wilkinson P, Fischer H, Louis V, Herrmann A, Amelung D, Barbier C, Dubois G, Nadaud F, Sköld B, Aall C, **Sauerborn R** (2019) Multi-criteria assessment of household preferences for reducing greenhouse gas emissions: an analysis of household survey data from 4 European cities. *Global Public Health* (accepted).
210. Hillebrecht M, Klonner S, Pacere A, Sauerborn R, Souares A (2019). Community-Based versus Statistical Targeting of Anti-Poverty Programs: Evidence from Burkina Faso. *Journal of African Economies*. Accepted.
209. Herrmann A, De Jong L, Kowalski C, **Sauerborn R** (2019) Gesundheitliche Vorteile von Klimaschutzmaßnahmen – wie Haushalte und Politik profitieren können. *Bundesgesundheitsblatt*. <https://doi.org/10.1007/s00103-019-02929-7>.
208. Schwerdtle PN, Bowen K, McMichael C, **Sauerborn R** (2019) Human mobility and health in a warming world. *J Travel Med*. doi: 10.1093/jtm/tay160.
207. Amelung D, Fischer H, Herrmann A, Aall C, Louis VR, Becher H, Wilkinson P, **Sauerborn R** (2019) Human health as a motivator for climate change mitigation: results from four European high-income countries. *Global Environmental Change* 57 (2019) 101918. <https://doi.org/10.1016/j.gloenvcha.2019.05.002>
206. Dubois G, Sovacool B, Aall C, Nilsson M, Barbier C, Herrmann A, Bruyère S, Andersson A, Skold B, Nadaud F, Dorner F, Richardsen-Moberg K, Ceron JP, Fischer H, Amelung D, Baltruszewicz M, Fischer J, Benevise F, Louis VR, **Sauerborn R** (2019) It starts at home? Climate policies targeting household consumption and behavioral decisions are key to low-carbon futures. *Energy Research & Social Science*, 52:144-158.
205. Sköld B, Baltruszewicz M, Aall C, Andersson C, Herrmann A, Amelung D, Barbier C, Nilsson M, Bruyère S, **Sauerborn R** (2019). Household preferences to reduce their greenhouse gas footprint: a comparative study from four European cities. *Sustainability*, 10, 4044; doi: 10.3390/su10114044.

## 2018

204. Malik AA, Yamamoto SS, Haque A, Butt N S, Baig M and **Sauerborn R** (2018). Developing and assessing a tool to measure motivation among physicians in Lahore, Pakistan. *PloS one*; 13(12): e0209546. DOI: <https://doi.org/10.1371/journal.pone.0209546>
203. Bothner F, Dorner F, Herrmann A, Fischer H, **Sauerborn R** (2018) Explaining climate policies' popularity – An empirical study in four European countries. *Environmental Science and Policy*. *Environmental Science and Policy* 92:34-45, DOI: <http://doi.org/10.1016/J.ENVSCI.2018.10.009>

202. Passarelli S, Canavan CR, Paarlberg R, Juma C, Akyeampong E, Fekadu H, Golden CD, Gunaratna NS, Jaacks LM, Kennedy E, Madzorera I, McCann J, Nwanze K, **Sauerborn R**, Tang L, Webb P, Willett WC, Fawzi WC (2018) Harnessing University Strengths in Multi-Sectoral Collaborations for Planetary Health. *Current Developments in Nutrition*. <https://doi.org/10.1093/cdn/nzy063>
201. Fischer H, Schütte S, Depoux A, Kowalski C, Amelung D, **Sauerborn R** (2018) How well do COP 22 attendees understand graphs on climate change health impacts from the fifth IPCC Assessment Report? *Int. J. Environ. Res. Public Health* 2018, 15, 875; doi:10.3390/ijerph15050875
200. Barteit S, Sié A, Yé M, Depoux A, **Sauerborn R** (2018) Climate Change and Health as Massive Open Online Courses. *Stud Health Technol Inform*. 2018, 247:416-420. doi: 10.3233/978-1-61499-852-5-41.
199. Herrmann A, **Sauerborn R** (2018) General practitioners' perception of heat health impacts for elderly in the face of climate change - a qualitative study in Baden-Württemberg, Germany. *Int. J. Environ. Res. Public Health* 2018, 15, 843; doi:10.3390/ijerph15050843.
198. Dambach P, Mendes-Jorge M, Traoré I, Phalkey R, Sawadogo H, Zabré P, Kagoné M, Sié A, **Sauerborn R**, Becker N, Beiersmann C (2018) A qualitative study of community perception and acceptance of biological larviciding for malaria mosquito control in rural Burkina Faso. *BMC Public Health* (2018) 18:399 <https://doi.org/10.1186/s12889-018-5299-7>.
197. Herrmann A, Fischer, H, Amelung D, Litvine D, Aal C, Andersson C, Baltruszewicz M, Barbier C, Bruyère S, Louis VR, Bénévise F, Dubois G, Richardsen-Moberg K, Nilsson M, Sköld B, **Sauerborn R** (2018) Household preferences for reducing greenhouse gas emissions in four European high-income countries: Does health information matter? A mixed-methods study protocol. *BMC Public Health* <https://doi.org/10.1186/s12889-017-4604-1>.
196. Barteit S, Depoux A, Sié A, Yé M, Louis V, **Sauerborn R** (2018) Climate Change and Health as Massive Open Online Courses. Proceedings of presentation held at Medical Informatics Europe Conference 2018, Göteborg Medical Informatics Europe 2018. *Studies in Health Technology and Informatics*, accepted.
195. Stahl H-C, Ahmadi F, Nahzat SM; Dong H; Stahl K-W, **Sauerborn R** (2018) Health economic evaluation of moist wound care in chronic cutaneous leishmaniasis ulcers in Afghanistan. *Infect Dis Poverty*. 2018 Feb 14;7(1):12. doi:10.1186/s40249018-0389-4

## 2017

194. Belesova K, Gasparrini, Sié A, **Sauerborn R**<sup>1</sup>, Wilkinson P<sup>1</sup> (2017) Household cereal crop harvest and children's nutritional status in rural Burkina Faso. <sup>1</sup>equal last authorship. *Environmental Health*. doi: 10.1186/s12940-017-0258-9
193. Belesova K, Gasparrini A, Sié A, **Sauerborn R**<sup>1</sup>, Wilkinson P<sup>1</sup> (2017) Annual crop-yield variation, child survival, and nutrition among subsistence farmers in Burkina Faso. *Amer J Epidemiol*. doi.org/10.1093/aje/kwx241.

192. Bunker A, Sewe M, Sié A, Rocklöv J, **Sauerborn R.** (2018) Excess burden of non-communicable disease years of life lost from heat in rural Burkina Faso: a time-series analysis of the years 2000-2010. *BMJ Open*, 2017;7:e018068. doi:10.1136/bmjopen-2017-018068.
191. Sorgho R, Jonas F, Simboro S, Barteit S and Sauerborn R (2018). Utilizing Remote Sensing at a Subsistence Farming Level to Explore Child Undernutrition in the Context of Climate Change. Springer International Publishing. 1725-1728. DOI: [https://doi.org/10.1007/978-3-319-70548-4\\_502](https://doi.org/10.1007/978-3-319-70548-4_502)
190. Gosling SN, Hondula DM, Bunker A, Ibarreta D, Liu J, Zhang X, **Sauerborn R** (2017) Adaptation to climate change: a comparative analysis of modelling methods for heat-related mortality. *Environmental Health Perspectives*. 125(8):087008. doi: 10.1289/EHP634.
189. Sorgho R, Franke J, Simboro S, Barteit S, Phalkey R, **Sauerborn R** (2017) Linking Weather Data, Satellite Imagery and Field Observations to Household Food Production and Child under Nutrition: An Exploratory Study from a Subsistence Farming Village in Burkina Faso. *Universal J Public Hlth* 5(5):256-270.
188. Saronga HP, Els Duysburgh E, Massawe S, Dalaba MA, Wangwe P, Sukums F, Leshabari M, Blank A, **Sauerborn R**, Loukanova S (2017) Cost-effectiveness of an electronic clinical decision support system for improving quality of antenatal and childbirth care in rural Tanzania: an intervention study. *BMC Health Services Research* Aug 7;17(1):537. doi: 10.1186/s12913-017-2457-z.
187. **Sauerborn R** (2017) A gaping research gap regarding the climate change impact on health in poor countries. Letter to the editor. *Eur J Epidem* doi 10.1007/s10654-017-0258-7.

## 2016

186. Dambach P, Traoré I, Kaiser A, Sié A, **Sauerborn R**, Becker N (2016) Challenges of implementing a large-scale larviciding campaign against malaria in rural Burkina Faso –lessons learned and recommendations derived from the EMIRA project. *BMC Public Health*. DOI: 10.1186/s12889-016-3587-7.
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**(iii) Teaching case (Harvard Business School format)**

with Marina Cárdenas, Charles Myers, Paul Gertler, Federico Martinez, Jeanne Madden: Simulation of the effect of user fees and co-payments on the demand for health care in urban Bolivia; for use in the "Summer Course on Health Care Financing in Developing Countries" at HIID.

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*Note* Rainer Sauerborn was one of 9 members/authors of the Scientific Council of the Federal German Government on Global Environmental Change/ Wissenschaftlicher Beirat der Bundesregierung für Globalen Umweltwandel ([www.WBGU.de](http://www.WBGU.de)) (2000-2004). All white books are available in English translation and as hardcopy (Earthscan).

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  26. **Sauerborn R** Micro-insurance and Micro-credit: any synergies? In: Sax W (ed). Health Transitions in India. Routledge Publisher. (accepted)
  25. **Sauerborn R** (2007) Umweltveränderungen und globale Gesundheitsrisiken. In: Debiel T, Messner D, Nuscheler F. Globale Trends 2007 – Frieden, Umwelt, Entwicklung. Fischer Taschenbuch Verlag, pg.345-358.
  24. Nestle M, Sakdapolrak P, Bohle H.-G., Glaser R, Louis V, Mistelbacher J, **Sauerborn R**, Gans P, Lechner M (2007) Chennai: Umweltkrise und Gesundheitsrisiken in einer indischen Megacity In: Glaser, R. & K. Kremb (Hrsg). Asien Darmstadt: WBG, 2007; pg.209-214 (Planet Erde)
  23. **Sauerborn R** (2007) Kontrolle tropischer Infektionskrankheiten. In: Warnsignal Klima – Mögliche Auswirkungen für Menschen, Tiere und Pflanzen. Springer-Verlag.
  22. Nestle M, Sakdapolrak P, Bohle HG, Glaser R, Louis V, Mistelbacher J, **Sauerborn R**, Gans P, Lechner M (2007) Chennai: Umweltkrise und Gesundheitsrisiken in einer indischen Megacity. In: Glaser R, Kremb K (eds). Planet Erde: Asien. Wissenschaftliche Buchgesellschaft, Darmstadt, pg. 209-216.
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19. **Sauerborn R**, Matthies F (2006) Global environmental change and human health. In: Ehlers E and Krafft T (eds). Earth system science in the anthropocene: emerging issues and problems. Springer Verlag, pg. 113-134.
18. Bohle HG, Gans P, Glaser R, **Sauerborn R**, Louis V, Mistelbacher J, Nestle M, Sakdapolrak P (2006) Menschliche Gesundheit im Spannungsfeld von Umweltwandel, Bevölkerungs-dynamik und Agrarkrisen im Großraum Chennai, Südindien: Das Konzept der Vulnerabilität als Dritte Säule in der Geographie. In: Gebhardt, H. Glaser, R., Reuber, P. & Radtke (Hrsg.): Lehrbuch der Geographie, Spektrum Verlag, Heidelberg.
17. Kouyaté B, **Sauerborn R** (2005) Transformation into a national research center: The Nouna Health Research Center 1999 to today and the Heidelberg-Nouna cooperation. In: Becher H, Kouyaté B (eds). Health research in developing countries. Springer, Heidelberg.
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15. Sommerfeld J, Baltussen R, Metz L, Sanon M, **Sauerborn R** (2002) Determinants of variance in health status variations. In: Murray C and Frenk J (eds). Summary measures of population health. WHO monograph, Geneva.
14. **Sauerborn R**, Karam M (2000) Geographic information systems. In: Lippeveld T, **Sauerborn R**, Bodart C. Design and implementation of health information systems. WHO Monograph, Geneva, pg. 213-224.
13. **Sauerborn R**, Lippeveld T (2000) Why health information systems? In: Lippeveld T, **Sauerborn R**, Bodart C. Design and implementation of health information systems. WHO Monograph, Geneva, pg. 1-14.
12. Lippeveld T, **Sauerborn R** (2000) A framework for designing health information systems. in: Lippeveld T, **Sauerborn R**, Bodart C. Design and implementation of health information systems. WHO Monograph, Geneva, pg. 15-22.
11. **Sauerborn R** (2000) Using information to make decisions. In: Lippeveld T, **Sauerborn R**, Bodart C. Design and implementation of health information systems. WHO Monograph, Geneva, pg. 33-48.
10. **Sauerborn R** (2000) Non-routine data collection methods. in: Lippeveld T, Sauerborn R, Bodart C. Design and implementation of health information systems. WHO Monograph, Geneva, pg. 114-127.
9. **Sauerborn R**, Lippeveld T (1995) HIID projects in health system development - history and lessons learned. In: HIID - projects and lessons learned, Harvard Institute for International Development.
8. **Sauerborn R** (1994) Household strategies to cope with the economic costs of illness - a community-based study in Burkina Faso. Doctoral Dissertation, Harvard University, 318 pages.

7. **Sauerborn R**, Nougara A, Diesfeld HJ (1992) Action research on health services in Burkina Faso: concept and methodology 1988-1992. In: Methodology of Health Systems Research. Research reports of the Conference on "Methodology and relevance of health systems research" held by the Commission of the European Communities, Directorate XII "Science, Research and Development", pg. 43-55.
6. Diesfeld HJ, Nougara A, **Sauerborn R** (1992) The baseline survey 1984/87 in Solenzo. in: Methodology of Health Systems Research. Research reports of the Conference on "Methodology and relevance of health systems research" held by the Commission of the European Communities, Directorate XII "Science, Research and Development", pg. 26-42.
5. Shepard DS, Brinkmann U, Ettling MB, **Sauerborn R** (1990) Economic impact of malaria in Africa. 109 pages. Prepared for the Vector Biology and Control Project, US Agency for International Development, Washington.
4. **Sauerborn R** (1986) Validity of indicators of low birth weight for use by traditional birth attendants - a study from Burkina Faso. M.Sc. (MCH) thesis, University of London. 83 pages.
3. **Sauerborn R**, Nougara A, Diesfeld H 1985. Etude sur l'utilisation des soins de santé primaires à Solenzo - rapport final. Ministère de Santé Publique, Ouagadougou, 248 pp. Burkina Faso.
2. **Sauerborn R** (1976) Impulszytophotometrische Untersuchungen über die DNA-Verteilung in normaler und 12-o-tetradecanoyl-phorbol-13-acetat stimulierter Mäuseepidermis sowie in gut- und bösartigen Tumoren der Mäusehaut, 205 pages, Ph.D. Dissertation, University of Heidelberg.
1. **Sauerborn R** (1987) Verwaltungsaufgaben in ländlichen Gesundheitszentren im frankophonen Westafrika. in: Diesfeld HJ and Wolter S (Hrsg.) Medizin in Entwicklungsländern, pg. 217-223. Lang Verlag, Frankfurt, Berlin, Bern, New York, Paris, Wien.

#### 4) Book reviews

1. **Sauerborn R** (2002) Human frontiers, environments and diseases by Anthony Mc Michael. Cambridge University Press. Book review. Global Change & Human Health 2(2).

## **PRESENTATIONS & POSTERS (182)**

### **2019**

182. **Sauerborn R.** Climate change and health in Germany and globally. Sub-Committee on Global Health of the Federal Parliament, Berlin, Sept 25, 2019.
181. **Sauerborn R.** (invited keynote) Planetary Health: was bedeutet der Klimawandel für die Medizin? (Planetary Health – what implication does climate change have for medical care?) German Association of Urology (Dt. Gesellschaft für Urologie), 71 Annual Meeting, Hamburg, Sept 19, 2019.
180. **Sauerborn R.** Bunker A, Danquah I, USA (invited keynote) Heat and diabetes – a global lens. American Diabetic Association, 79<sup>th</sup> Annual Meeting, San Francisco, USA, June 7-11, 2019.

### **2018**

179. **Sauerborn R.** Climate change, agriculture, child nutrition and mortality in subsistence farming households in Africa. Harvard Kennedy School, Harvard Chan School of Public Health and Harvard Center for African Studies. Cambridge, USA, November 6-7, 2017.
178. Paul Wilkinson P, **Sauerborn R.** Fischer H, Louis V, Herrmann A, Amelung D, Barbier C, Dubois G, Nadaud F, Sköld B, Aall C (2018) Multi-Criteria Assessment of Household Preferences for Reducing Greenhouse Gas Emissions: An Analysis of Household Survey Data from Four European Cities. ISEE-ISES Joint Annual Meeting, Basel. Published in *Envmtl Hlth Perspectives*.  
<https://ehp.niehs.nih.gov/doi/abs/10.1289/isesisee.2018.P02.3960>
177. **Sauerborn R.** Climate change, agriculture and health in Africa, Harvard Radcliffe Accelerator Workshop, May 7 & 8, 2018, Cambridge, USA
176. **Sauerborn R.** Impakt des Klimawandels auf Makro und Mikronährstoffmangel in (sub-)tropischen Ländern (Impact of climate change on macro- and micronutrient deficiency in (sub-)tropical countries). Invited keynote at 55<sup>th</sup> Annual Meeting of the German Nutrition Society (DGE), Hohenheim, March 6-9, 2018.
175. Mank I, Traoré Y, **Sauerborn R.** Linear growth retardation of children under five in Burkina Faso: baseline results of a cohort study to explore the impact of weather variability on child nutrition. Poster presented at the 55<sup>th</sup> Annual Meeting of the German Nutrition Society (DGE), Hohenheim, March 6-9, 2018.
174. **Sauerborn R.** Health co-benefits as a tool to promote citizens' climate friendly behavior. Invited seminar. UNFCCC Secretariat, Bonn, Feb 2, 2018
173. **Sauerborn R.** Adaptation to climate change in South Asia. Médecins Sans Frontières. SPuth Asi Regional Association Meeting, Delhi, April 6, 2018.

### **2017**

172. **Sauerborn R.** Belesova K, Wilkinson P, Sorgho R, Traoré I, Gornott C, Mank I. Climate change, agriculture, child nutrition and mortality in subsistence farming households in Africa. Symposium on Agriculture, Nutrition, Health and the Environment. Harvard Kennedy School & Harvard Chan School of Public Health & Harvard Center for African Studies. Cambridge, USA. November 6-7, 2017.



171. **Sauerborn R.** Research strategy for linking the Climate and the Health communities in Germany (invited keynote). Leopoldina German Academy of Sciences, Workshop Dec 4-5, 2017, Potsdam Institute for Climate Impact Research.
170. **Sauerborn R.** Why care about health impacts, apart from humanitarian reasons? (invited keynote). Impacts World, Potsdam/PIK, Oct 11-13, 2017
169. **Sauerborn R.** Climate change destabilized many infectious diseases from the arctic to the equator: a call for action. Conference on Impacts of Environmental Changes on Infectious Diseases, convened by Elsevier, Trieste/Italy, May 19, 2017.
168. **Sauerborn R.** Data sets and methods to study the impact of climate change on health in poor countries: the research challenge. Workshop "Global longitudinal retrospective health data sets (HDSS) - the perfect storm for empirical research on the impacts of climate change on nutrition and health", Harvard Chan School of Public Health and Harvard Global Health Institute, Cambridge MA, April 25, 2017.
167. **Sauerborn R.** A physician's view of climate change. Symposium "Human Health in a Changing Climate, Jefferson Hall, Cambridge MA, April 27, 2017.
166. **Sauerborn R,** Bärnighausen T. Research on Global Health and Climate Change: concepts and examples. Harvard Chan School of Public Health, Boston MA, April 13, 2017.
165. **Sauerborn.** Climate change and health in Africa and Asia: what are the links. INDEPTH workshop on health systems challenges. Sierra Leone, March 23-27, 2017.
164. **Sauerborn R.** Climate change and child under nutrition: hot topic or hot air? 3rd Intl. Congress on Hidden Hunger, Stuttgart-Hohenheim, March 20-22, 2017.
163. **Sauerborn R.** The limits of adaptation to the damaging health effects of climate change. Conference "Climate Change and Health", convened by Vice Present Al Gore, Carter Center, Atlanta, February 16, 2017.
162. **Sauerborn R.** The built environment - the black carbon story "in" and "out". Emerging Markets Symposium, Oxford University, Uk, January 12-15, 2017.
161. **Sauerborn R,** Gutmann F, Nilsson M, Mahendradhata Y, Bligny JC. Bottom-up assessment of the GHG footprint of pharmaceuticals - from raw materials to patient end use. International Symposium on Green Chemistry, La Rochelle, France, May 16-19, 2017

*Young scientist posters presented at the German IPCC preparatory meeting, Lauen (Berlin), February 20-21, 2017:*

160. Belesova K, Gornott C, Sié A, **Sauerborn R\***, Wilkinson P\*. Health impact of low crop yield in rural Burkina Faso under current & future weather variability. \*shared last authorship
159. Bunker A, Maquins S, Sié A, Rocklöv J, **Sauerborn R.** Impact of heat on non-communicable diseases in rural Africa: a blind spot in research.
158. Mank I, Belesova K , Diboulo E, Franke J, Sorgho R, Traoré I, Wilkinson P, **Sauerborn R.** Climate change impact on child undernutrition: potentially high, but more research needed.
157. Kawan R, Roy S, Beig G, **Sauerborn R.** Climate and health co-benefits from reducing indoor air pollution.

156. Herrmann A, Aall C, Amelung D, Fischer H, Dorner F, **Sauerborn R**. The crucial role of households and health in 1.5°C policies - a comparative survey from Mannheim, Aix-en-Provence, Bergen and Umeå.
155. Fischer H, Schütte S, Kowalski C, Amelung D, **Sauerborn R**. How understandable are IPCC graphs? Evidence from the COP22 in Marrakesh.

## 2016

154. **Sauerborn R** Capturing the Carbon Dividend- The Health Benefits of Climate Mitigation Invited Keynote). Harvard Law School Wasserstein Hall, Milstein West AB, 1585 Massachusetts Avenue. December 13, 2016
153. **Sauerborn R**. "Climate change: hot topic or hot air"? Global Health Seminar, Harvard Chan School of Public Health. Dec 14, 2016.
152. **Sauerborn R**. Air Pollution, Climate Change and Health. Invited keynote "Science Circle Lecture". Gulmohar Hall, India Habitat Centre, Delhi. Oct 25, 2016
151. **Sauerborn R**. Research agenda on Climate Change and Health (invited keynote), Research symposium of the Potsdam Institute for Climate Impact Research (PIK), Jan 27, 2016
150. **Sauerborn R**. Climate change and global health. Knowledge generation, dissemination and translation (invited keynote), Research retreat of the Institute of Biometrics and Public Health, LMU University, Munich.; June 22, 2016.

## 2015

149. Vandenberg A and Sauerborn R. "Prevention of adverse heat effects on elderly – a qualitative study among GPs in Germany", Pitch Presentation, European Public Health Conference, Milan 2015
148. **Sauerborn R**. Climate change and health. The Nouna-Heidelberg collaboration in research and teaching. 15th Anniversary Symposium of the Nouna Health Research Center, Nouna, July 31 -August 1, 2015
147. **Sauerborn R**. Altersbezogenen Gesundheits- und Krankheitskonzeptionen aus internationaler Perspektive (Concepts of health, disease and aging in international perspective). Studium generale/ Network for Aging Research Heidelberg. University Hall, May 18, 2015.
146. **Sauerborn R**. Why should health be a key argument in climate negotiations? Can a MOOC help to bring the message across? COP Side Event "Healthy Lives on a Healthy Planet convened by Lancet, Rockefeller Foundation, WHO. COP21, Paris, Dec 11, 2015.
145. Lietz H, Moustapha M, Sié A, Souares A, Tozan Y, **Sauerborn R**. Measuring population health: costs of alternative survey approaches in the Nouna Health and Demographic Surveillance System Burkina Faso. Sauerborn R. INDEPTH International scientific conference. Addis Ababa Nov 11-13, 2015
144. **Sauerborn R**. Research on climate change and health: challenges and opportunities for the INDEPTH network. INDEPTH International scientific conference. Addis Ababa, Nov 11-13, 2015

143. **Sauerborn R.** Public health as a driver and actor of mitigating climate change. Conference "Climate change and health risks: what are the risks and how to reduce them? Société Française Santé et Environnement, Hôtel de Ville, November 24-25, 2015.
142. **Sauerborn R.** Les co-bénéfices de santé pour les ménages, qui réduisent leurs empreintes de carbone. Atelier "Extension du domaine de la santé: Intégrer le changement climatique en ville" Paris, Région Île de France, Hémicycle, Paris IDF, October 16, 2015.
141. **Sauerborn R.** The scientific nexus of climate & health: a theme for the Institut Pasteur? Annual World Plenary Meeting of the Institut Pasteur, Paris, October 15-16, 2015.
140. **Sauerborn R,** Sherlaw K-W, Knop J, Dupont H, Sié A. MOOCs on climate change and health: Disseminating knowledge about cc& health, while bridging the digital divide. Parallel session "Innovations in Research and Teaching in Planetary Health", hosted by Leopoldina German Academy of Sciences, World Health Summit 2015, Foreign Office, Berlin, October 10-13, 2015.
139. **Sauerborn R.** Leveraging the health arguments for climate negotiations at COP21. Plenary session hosted by Leopoldina German Academy of Sciences. World Health Summit 2015, Foreign Office, Berlin, October 10-13, 2015.
138. **Sauerborn R.** Communication climate change and health to populations and policy-makers. Symposium of the Université Franco-Allemande. Centre de Santé Publique Virchow-Villermé, Université Paris Sorbonne-Cité/Paris Descartes, September 10, 2015.
137. **Sauerborn R.** Public health benefits of climate change policies. Annual conference of the Swiss Public Health Society, Institute of Global Health, University of Geneva, September 17-18, 2015.
136. **Sauerborn R.** Household Preferences for reducing greenhouse gas emissions in four European high-income countries. Conference "Tackling global societal changes through innovative climate research. JPI (Joint Program of Implementation), Brussels. June 16-17, 2015
135. **Sauerborn R.** The role of climate change in global health. Workshop "Global Health Education", Institut Pasteur, Paris, June 25, 2015.
134. Sorgho R, Sié A, Simboro S, Franke J, **Sauerborn R.** Nutrition and climate change - effect of climate change on childhood stunting in Burkina Faso: NutriCLim: Proof of concept pilot study. Conference on French-German cooperation in the field of climate change, food security and water resources. French Embassy in Berlin, July 1-2, 2015.
133. **Sauerborn R.** Intelligent energy systems – a health challenge for India. Workshop of the Indian Institute for Tropical Meteorology, Pune, India, January 25, 2015.

*Presentations at the UNESCO scientific conference "Our common future under climate change" as preparation for COP21:*

132. Kawan R, Sié A, Yamamoto S, **Sauerborn R**. Health co-benefits and co-harms of reducing indoor air-pollution in Sub Saharan Africa. UNESCO International Scientific Conference "Our common future under climate change", Paris, France, July 7-9, 2015.
131. Traore I, Sié A, Machault V, Vignolles C, **Sauerborn R**, Dambach P, Becker N. Adaptation to potential shifts in malaria breeding sites: biolarvicide application in Sub-Saharan Africa, guided by risk maps based on remote sensing. UNESCO International Scientific Conference on "Our common future under climate change", Paris, France, July 7-9, 2015.
130. Vignolles C, Viel C, Machault V, **Sauerborn R**, Dambach P, Sié A, Roger C, Tourre YM. The PALUCLIM project. Impacts of climatic factors on the production of malaria vectors in the rural Sahel: application to the Nouna region (Burkina Faso). UNESCO International Scientific Conference on "Our common future under climate change", Paris, France, July 7-9, 2015.

*Posters at the UNESCO scientific conference "Our common future under climate change":*

129. Bunker A, Diboulo E, Marquins S, Egodi T, Sié A, Rocklov J, **Sauerborn R**. Temperature impact on Non-Communicable Diseases in Africa – a Blind Spot in Research. UNESCO International Scientific Conference on "Our common future under climate change", Paris, France, July 7-9, 2015.
128. Diboulo E, Sié A, Traoré I, Dambach P, Louis V, **Sauerborn R**. Time course of weather variables in malaria-related mortality in a Sub-Saharan African population. UNESCO International Scientific Conference on "Our common future under climate change", Paris, France, July 7-9, 2015.
127. **Sauerborn R**, Flahault A, Ganten D. How can knowledge about health consequences promote acceptance of climate action? UNESCO International Scientific Conference on "Our common future under climate change", Paris, France, July 7-9, 2015.

## **2014**

126. **Sauerborn R**. Doing something for the climate may be beneficial for your health: the NCD-related co-benefits of climate policy. German-Indonesian symposium on non-communicable diseases in global health. Heidelberg Institute of Public Health, Germany, November 30- December 1, 2014.
125. **Sauerborn R**. Indoor air pollution leads to 8 million deaths globally and contributes to climate change: the case for co-benefits. German-Indonesian symposium on non-communicable diseases in global health. Heidelberg Institute of Public Health, Germany, November 30- December 1, 2014.
124. Vandenberg, Alina, **Sauerborn R**. Heat stress and the elderly: what do German general practitioners know, what should they? Intl Conference on climate change and health, Heidelberg University, December 4, 2014.
123. Sorgho R, Franke J, **Sauerborn R**. Malnutrition, food yields and weather variability in subsistence farming households – a pilot study from Burkina Faso. Intl. Conference on climate change and health, Heidelberg University, December 4, 2014.

- 122. Neuendorf F, **Sauerborn R.** Greenhouse gas footprint of teaching hospitals in the border region of France and Germany – a research concept. Intl. Conference on climate change and health, Heidelberg University, December 4, 2014.
- 121. Chebbi-Bunker A, Diboulo E, **Sauerborn R.** Quantifying health effects of climate change in demographic surveillance systems. Intl. Conference on climate change and health, Heidelberg University, December 4, 2014.

## 2013

- 120. **Sauerborn R.** Health and Demographic Surveillance Systems: a tool for research on climate change and health? London School of Hygiene Lecture Series, October 24, 2013.
- 119. Souares 1, Diboulo E, Niamba L, Zabré P, Bagagna C, Sié A, **Sauerborn R.** Comprehensive disease assessment in a contiguous population. Annual Meeting of the Center for Infectious Diseases Control, Braunschweig, November 11-13, 2013.
- 118. **Sauerborn R.** Increasing provider motivation in health care. Invited seminar at Kilimanjaro Christian Medical University College, Moshi, Tanzania, March 25, 2013
- 117. **Sauerborn R,** Hoefle B. Climate impact on malnutrition - a geospatial and public health approach. Heidelberg Center for the Environment. October 14, 2013.
- 116. Diboulo E, Souares A, Sié A, Yé M, **Sauerborn R.** Calculation of the community-based burden of diseases as the analytic dimension of comprehensive diseases assessment (CDA). INDEPTH Scientific Conference, Witswatersrand University, Johannesburg, South Africa, October 28-31.
- 115. Sié A, Souares A, **Sauerborn R.** Integrating disease information into the data engine of HDSS. INDEPTH Scientific Conference, Witswatersrand University, Johannesburg, South Africa, October 28-31.

## 2012

- 114. **Sauerborn R.** One health: learning from the past, defining the present, envisioning the future. Global Risk Forum Davos, One Health Summit: One Health-One Planet-One Future Davos, February 19-22, 2012.
- 113. Wall S, Sankoh O, Diwan V, **Sauerborn R.** Combining mortality and morbidity for understanding shifting disease burdens. Heidelberg University, July 11, 2012.

## 2010

- 112. **Sauerborn R.** Cancer: a global public health challenge: the case of HPV and cervical cancer. Hellen-Diller-Family Comprehensive Cancer Center, University of California at San Francisco (UCSF), May 28, 2010.
- 111. **Sauerborn R.** New approaches to PhD training in Germany and Sweden. Public Health Seminar, Center for Global Health and Development, Boston University, June 1<sup>st</sup>, 2010.
- 110. **Sauerborn R.** Triangular research cooperation with Sub-Saharan Africa. Conference "Germany and France towards a joint approach for the science and technology cooperation with developing countries": The example of Sub-Sahara Africa. Ministry of Science and Education (BMBF), Potsdam June 17-18, 2010.

109. **Sauerborn R.** Malaria in Europe: Hot Topic or hot air? 14<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), Vienna, Austria, April 14-14, 2010.

## 2009

108. **Sauerborn R.** Getting research into policy and practice. "Health Systems Research (HSR) Lessons for the Future". Symposium in conjunction with the 25<sup>th</sup> anniversary of the Division of Global Health (ICHAR), Karolinska Institutet, Sept 25, 2009.
107. **Sauerborn R.** Climate Change and Human Health: Some Food for Thought and Action. James Grant School of Public Health, BRAC University, Savar, Bangladesh, February 23, 2009.
106. **Sauerborn R.** Integrating environmental and health information systems. GEOSS workshop XXVII Health and the Environment, World Meteorological Organization (WMO) Geneva, July 7, 2009.
105. **Sauerborn R.** New infectious diseases in Europe: the possible impact of global warming. 14<sup>th</sup> Congress of the European Association of Hospital Pharmacists, Barcelona, March 25-27, 2009.
104. **Sauerborn R.** The double burden of disease: challenges for health systems. Jahrestagung der Dt. Gesellschaft für Tropenmedizin und Internationale Gesundheit. München 2009.

## 2008

103. **Sauerborn R.** All hands on deck: a research agenda for health risks of climate change and system responses. Umea University, Sweden, November 24, 2008.
102. **Sauerborn R.** Climate change destabilizes infectious diseases: challenges for research, capacity building and policy. Global Ministerial Forum on Research for Health, Bamako, November 16-19, 2008.
101. **Sauerborn R,** Vignolles C, Lacaux JP. Remote sensing for predicting malaria risk maps. INDEPTH Annual Conference, Dar Es Salaam, Sept 22-26, 2008.
100. **Sauerborn R.** Les effets sanitaires du changement climatique. Colloque de l'Ecole Pasteur/CNAM de Santé. Paris, February 14-15, 2008.
99. **Sauerborn R.** Micro health insurance and micro credit: any synergies? DFG-Conference „Health Transition in India: Public Health, Governance and the Market“ in collaboration with the South Asia Institute, Heidelberg and the Institute for Developmental Studies, Kolkota, India. February 19-21, 2008.
94. **Sauerborn R.** Gefahr der Zunahme tropischer Infektionskrankheiten. Warnsignal Klima, Öffentliches Symposium, Max Planck Institut f. Meteorologie und Univ Hamburg, 26.-28.6. 2008.
98. Souares A, Sawadogo G, Gnawali D, **Sauerborn R.** Targeting the poor: utilization of community wealth ranking to subsidize health insurance enrolment. 7th Intl. Conference on Health Economics, Management and Policy, Athens, Greece, July 10-13, 2008.
97. Gnawali DP, De Allegri M, Pohkrel S, Sié A, , Souares A, Dong H, **Sauerborn R.** The impact of community-based health insurance on equity in utilization of

modern health care in rural Burkina Faso. 7th Intl Conference on Health Economics, Management and Policy, 10-13 July 2008, Athens, Greece.

96. Souares A, Sawadogo G, Gnawali D, **Sauerborn R**. Does Community-based insurance improve access to drugs and health care in Africa? International Society for Pharmacoeconomics and Outcomes Research. 13<sup>th</sup> Annual Meeting, May 3-7, 2008, Toronto.
95. Gnawali DP, De Allegri M, Pohkrel S, Sié A, Souares A, Dong H, **Sauerborn R**. Inequity in enrolment in community-based health insurance in rural Burkina Faso. 7th European Conference on Health Economics Rome, University of Rome, Italy, July 23-26, 2008.

## 2007

94. **Sauerborn R**. The optimal financing and organization of health care in low- and middle-income countries. ESF-IfW Conference on the Global Health Economy, "The Global organization of biomedical innovation: funding, intellectual property rights, incentives and the diffusion of new technology". Kiel, Institute für Weltwirtschaft, Oct. 4-8, 2007.
93. **Sauerborn R**, Gbangou A, Wladarsch E, Sanon M, Dong H, van der Pol M. Time preference from an economist's and an anthropologist's perspective. 6th World Congress of the International Health Economics Association (IHEA), Copenhagen, July 8-11, 2007.
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Presentation to the 2nd World Conference on Health Economics (IHEA), Rotterdam, June 6-9, 1999.

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37. **Sauerborn R.** Über die Beziehung zwischen Finanzierung und Nutzung von Gesundheitsdiensten in Entwicklungsländern. Heidelberg University, Germany, June 28, 1995.
36. **Sauerborn R.** Health impact assessment at low cost - the case of Burkina Faso. World Bank Luncheon Seminar Series, World Bank, Washington DC, May 24, 1995.
35. **Sauerborn R.** Financing health care in developing countries - has equity been abandoned? - An iconoclastic view. Luncheon Seminar Series, Harvard Institute for International Development, April 17, 1995.
34. **Sauerborn R,** Ibañez J, Murillo D, Martinez de Bujo F. Mostrar desigualdades en el sector social: el sistema geo-gráfica de información de indicadores de salud,

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31. **Sauerborn R**. Applications of geographical information systems in the health sector. Massachusetts Institute of Technology (MIT), May 1995.
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Burkina Faso. Presentation at the Joint Meeting of the German, Austrian and Swiss Association of Tropical Medicine, Konstanz, Germany, 1993.

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18. **Sauerborn R.** Do health services improve health? Development luncheon seminar series. Harvard Institute for International Development. Cambridge, 1993.
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1. **Sauerborn R**. Under Fives' Clinic - ein Modell integrierter Gesundheitsfürsorge für Kinder der Dritten Welt. 33rd Annual Meeting of the South-West German Association of Pediatrics, Saarbrücken, 1984.