

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

- 1975 GERMANY 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 10/2017 HEIDELBERG UNIVERSITY
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 4/2017 HARVARD CHAN SCHOOL OF PUBLIC HEALTH, BOSTON, US
Visiting Professor of Climate Change and Health
Joint project development in "Climate Change and Child Undernutrition",
MOOC development: "Climate Change and Health".
- Since 10/2016 HEIDELBERG UNIVERSITY MEDICAL SCHOOL, INST. OF PUBLIC HEALTH
Professor of Climate Change and Global Health
- 03/1996-10/2016 HEIDELBERG UNIVERSITY, GERMANY, INST. OF PUBLIC HEALTH
(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
- 4/2015-12/2015 UNIVERSITÉ SORBONNE PARIS-CITÉ, Paris Descartes, Centre Virchow-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
- 06/2010-2014 INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC)
Lead Author, Chapter 11 "Human Health", Working Group II, for the 5th 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 FORSCHUNGSGEMEINSCHAFT¹
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

¹ 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)

Courses under preparation

- 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

Courses taught

- 3-5/2018** **EH550 Research Methods to Study the Impact of Climate Change on Health**
Harvard Chan School of Public Health, Boston, MA. 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+ master 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 candidates.

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

Lectures "Climate change and health" and "Aging in low and middle countries" in the "Studium Generale" (open for all students of HD University and the general public)

RESEARCH and TEACHING GRANTS

1) Acquired grants

Summary:

After appointment as Chair in Heidelberg (1998-2016) 41,5 million € = 2,2 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)

| Year | x 1,000 € | Funding source | Project -# | Project description |
|-------------|---------------------------|--|--|---|
| 2018-2024 | 10,000 (ten million €) | DFG/German Science Foundation | FOR2036 | <i>Climate Change and Health (a 9 PI, 5 German and Swiss Institutions Collaborative Grant) – Lead PI/coordinator RS Coordinating PI, (submitted 2/2018)</i> |
| 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 | 3000 | 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, 2003-2011 Deputy PI) 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 form Malaria and Dengue – Global Burden of Disease Program (from Umeå professorship) - PI |
| 2005 | 300* /2y | BMBF ² | Sustainable megacities 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 ³ | 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. |

² BMBF=Federal Ministry of Research and Education of Germany

³ 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 ⁴ , | 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) |

⁴ CRSN=Centre de Recherche en Santé de Nouna, Burkina Faso

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: 5th 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*)

| Name | Title | Award period | Granting Institution | Amount (€) | Alma mater of grantee |
|------------------------|--|---------------------|----------------------------------|-------------------|----------------------------------|
| 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 | Ethnograph, AtlasTi, NVivo |
| 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 | Magna cum laude |
| 44 | Bunker, Aditi | N Zealand | Public Health | Dr.Sc. | 2018 | 4 | Summa cum laude |
| 43 | Belesova, Kristine | Latvia | Nutr.Epidem | Ph.D.* | 2018 | 4 | only pass/fail |
| 42 | Farzana, Yazmin ^o | 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 | Summa cum laude |
| 35 | Stahl, Christian | Germany | Economics | Dr.Sc. | 2015 | 4 | Cum laude |
| 34 | Anja Kluge ^o | 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 | Summa cum laude |
| 29 | Prytherch, Helen | U.K. | Public Health | Dr.Sc. | 2013 | 3 | Summa cum laude |
| 28 | Robyn, Jake | USA | Sociology | Dr.Sc. | 2013 | 4 | Magna cum laude |
| 27 | Hii, Yien Ling ^{oo} | 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 | Summa cum laude |
| 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 | Summa cum laude |
| 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 | Summa cum laude |
| 10 | Pokhrel, Subhash | Nepal | Ecnomics | Dr.Sc. | 2004 | 2.5 | Summa cum laude |
| 9 | Hayat, Budi | Indonesia | Ecnomics | Dr.Sc. | 2004 | 3 | Summa cum laude |
| 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 (9)

89% women

| | Name, first name | Country of origin | Discipline of candidate | Start | Planned defense | Degree |
|---|------------------------------|-------------------|-------------------------|-------|-----------------|---------|
| 9 | Patricia Schwerdtle | Australia | Nursing, MPH | 2018 | 2022 | Dr.Sc. |
| 8 | Raissa Sorgho | Burkina Faso | Biology, MPH | 2018 | 2022 | Dr.Sc. |
| 7 | Isabel Mank | Germany | Health Communication | 2017 | 2020 | Dr.Sc. |
| 6 | Pascal Zabré | Burkina Faso | Demography | 2017 | 2020 | Dr.Sc. |
| 5 | Mariam Seynou | Burkina Faso | Medicine | 2017 | 2020 | Dr.med. |
| 4 | Rasmila Kawan | Nepal | Nursing | 2016 | 2018 | Dr.Sc. |
| 3 | Bilkis Banu [◦] | Bangladesh | Education | 2015 | 2018 | Dr.Sc. |
| 2 | Alexandra Claus | Germany | Dentistry/oral health | 2013 | 2017 | Dr.Sc. |
| 1 | Ramona Popilian [◦] | 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)**

| | Name, first name | Country of origin | Field of candidate | Degree | Year of award |
|---|-------------------------|--------------------------|---------------------------|--|----------------------|
| 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

Proceedings of the National Academy of Sciences (PNAS), Lancet, Lancet Infectious Diseases, 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).

IPCC: Reviewer for Special Report "1.5 degree", 2018.

IPCC: Lead Author, Inter-Governmental Panel on Climate Change (IPCC), Fifth Assessment Report, Working Group II, "Impacts, Adaptation and Vulnerability", Chapter 11, "Human Health". 2009-2014.

IPCC: Reviewer for the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report, Working Group II: "Impacts, Adaptation and Vulnerability", Chapter 8, Health, 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 Jan 25, 2019)

| | All | Since 2014 |
|-----------------|------|------------|
| Total citations | 9151 | 4902 |
| h-index | 55 | 37 |
| i10-index | 133 | 107 |

Summary (as of Jan 2019)

210 Peer-reviewed publications

37 Book chapters

9 Books

1 Lead authorship on IPCC AR5, WGII, Chapter 11 "Human Health"

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

13 Internally reviewed discussion papers at Heidelberg/Harvard Universities

177 Presentations and Posters at International Conferences

1 Harvard Teaching Case, Harvard Institute for International Development

(i) Peer-reviewed published or accepted journal articles (210)

2019

210. 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* (accepted)
209. 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) Household consumption and behavioural decisions are key to low-carbon futures in European high-income countries. *Energy Research & Social Science* (accepted)

2018

208. Sköld B, Baltruszewicz M, Aall C, Andersson C, Herrmann A, Amelung D, **Sauerborn R** (2018). Household Preferences to Reduce Their Greenhouse Gas Footprint: A Comparative Study from Four European Cities. *Sustainability*, 10, 4044. DOI: <http://doi.org/10.3390/su10114044>
207. Schwerdtle PN, Bowen K, McMichael C, **Sauerborn R** (2018) Human mobility and health in a warming world. *J Travel Medicine* (accepted).
206. Herrmann A, de Jong L, Kowalski C, **Sauerborn R** (2018) Gesundheit als Motiv für Klimaschutz - Schlussfolgerungen aus zwei Studien auf Haushalts- und Politik-ebene. *Bundesgesundheitsblatt*, in German, English summary (accepted).
205. Malik A A, Yamamoto S S, 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>
204. 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>
203. 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>
202. 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?. *Environmental Research and Public Health* (accepted).

201. 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.
200. 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.
199. 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>.
198. Wilkinson P, Fischer H, Louis V, Herrmann A, Amelung D, Barbier C, Dubois G, Nadaud F, Sköld B, **Sauerborn R** (2018) 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 with minor revisions).
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**¹, Wilkinson P¹ (2017) Household cereal crop harvest and children's nutritional status in rural Burkina Faso. ¹equal last authorship. *Environmental Health.* doi: 10.1186/s12940-017-0258-9
193. Belesova K, Gasparrini A, Sié A, **Sauerborn R**¹, Wilkinson P¹ (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, Rocklov 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. doi10.1136/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
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.
185. Vignolles C, **Sauerborn R**, Dambach P, Viel C, Soubyroux J-M, Sié A, Rogier C, Tourre YM (2016) Re-emerging Malaria vectors in rural Sahel (Nouna, Burkina Faso): The Paluclim project. *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, Volume XLI-B8.
184. Oberländer L, Schleicher M, Savadogo G, Souares A, **Sauerborn R**, Klonner S (2015). The effects of subsidized micro health insurance on insurance demand and welfare outcomes in rural Burkina Faso. *Savings and Development*, Vol 39 (Special Issue):77-139.
183. Kowalski C, De Jong L, **Sauerborn R**, Tosun J (2016) Climate change and health in policies. *European Journal of Public Health Eur J Public Health*, Volume 26 (suppl_1) DOI: <https://doi.org/10.1093/eur-pub/ckw174.183>.
182. Herlihly N, Bar-Hen A, Verner G, Fischer F, **Sauerborn R**, Depoux A, Flahault A, Schütte S (2016) "Climate Change and Human Health: What are the research

trends? A scoping review protocol" *BMJ open*. DOI: 10.1136/bmjopen-2016-012022.

181. Hémono M, Puig-Malet S, Zypberman P, Bar.Hem A, **Sauerborn R**, Schütte S, Herlihy N, Flahault A, Depoux A (2016) Review of published articles on climate change and health in two francophone newspapers: 1990-2015. *Eur J Public Health*, Volume 26 (suppl_1) DOI: <https://doi.org/10.1093/eur-pub/ckw174.031>
180. Sorgho R, Franke J, Simboro S, Phalkey R, **Sauerborn R** (2016) NUTRition and CLIMate (NUTRICLIM): investigating the relationship between climate variables and childhood malnutrition through agriculture, an exploratory study in Burkina Faso. *Public Health Reviews. Special Edition "Climate Change and Health"*. Proceedings from the COP21 Side Event "Healthy Lives on a Healthy Planet": 51-56.
179. **Sauerborn R** (2016) Why should health be a central argument in climate negotiations? Can a MOOC help to bring the message across? *Public Health Reviews. Special Edition "Climate Change and Health"* Proceedings from the COP21 "Healthy Lives on a Healthy Planet" Conference in Paris: 91-94.
178. Gerhardus A, Becher H, Groenewegen P, Mansmann U, Meyer T, Pfaff H, Puhan M, Razum O, Rehfuess E, **Sauerborn R**, Strech D, Wissing F, Zeeb H, Hummers-Pradier E (2016) Applying for, reviewing and funding public health research in Germany and beyond. *Health Res Policy Syst*. 2016 Jun 13;14(1):43. doi: 10.1186/s12961-016-0112-5.
177. Fischer H, Amelung D, Kruse L, **Sauerborn R** (2016) Defogging climate change communication: how cognitive research can promote effective climate communication. *Front Psychol* doi: 10.3389/fpsyg.2016.01340.
176. Dambach P, Schleicher M, Stahl H-G, Traoré I, Becker N, Kaiser A, Sié A, **Sauerborn R** (2016) Routine implementation costs of larviciding with *Bacillus thuringiensis* against malaria vectors in a district of rural Burkina Faso. *Malaria Journal*, 15:380, doi 10.1186/s12936-016-1438-8.
175. Verner G, Schütte S, Knop J, Sankoh O **Sauerborn R** (2016) Health in climate change research from 1990 to 2014: positive trends, but still underperforming. *Global Health Action* 9: 30723 - <http://dx.doi.org/10.3402/gha.v9.30723>.
174. Yasmin F, Banu B, Zakir SM, **Sauerborn R**, Ali L and Souares A (2016) Positive influence of short message service and voice call interventions on adherence and health outcomes in case of chronic disease care: a systematic review. *BMC Medical Informatics & Decision Making*. 16:46 DOI 10.1186/s12911-016-0286-3
173. Bunker A, Wildenhain J, Vandenberg A, Henschke N, Rocklöv J, Hajat S, **Sauerborn R** (2016) The effects of air temperature on climate-sensitive mortality and morbidity outcomes in the elderly; a systematic review and meta-analysis of epidemiological evidence. *Ebiomedicine*, <http://dx.doi.org/10.1016/j.ebiom.2016.02.034>
172. Yé M, Diboulo E, Kagoné M, Sié A, **Sauerborn R**, Loukanova S (2016) Health worker preferences for performance-based payment schemes in rural health

district in Burkina Faso. *Glob Health Action* 2016, 9: 29103 - <http://dx.doi.org/10.3402/gha.v9.29103>

2015

171. Phalkey R, Aranda-Jan C, Marx S, Höfle B, **Sauerborn R** (2015) A systematic review of current efforts to quantify the impacts of climate change on under nutrition. *PNAS* 112(33) doi: 10.1073/pnas.1409769112.
170. Ding Y, **Sauerborn R**, Xu B, Shaofa N, Yan W, Diwan V, Dong H (2015) A cost-effectiveness analysis of three components of a syndromic surveillance system for the early warning of epidemics in rural China. *BMC Public Health*. doi: 10.1186/s12889-015-2475-x
169. Mohammed S, Aji B, Bermejo JL, Souares A, Dong H, **Sauerborn R** (2015) User experience with a health insurance coverage and benefit-package access: implications for policy implementation towards expansion in Nigeria. *Health Policy and Planning*; doi: 10.1093/heapol/cvz068.
168. Vandenberg A, **Sauerborn R**. (2015). Prevention of adverse heat effects on elderly – a qualitative study among GPs in Germany. *European Journal of Public Health*, 25(suppl_3), ckv172.070-ckv172.070. doi:10.1093/eurpub/ckv172.070
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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) (2000-2004). All white books are available in English translation and as hardcopy (Earthscan).

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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, Ettl 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 (176)

2018

177. **Sauerborn R.** Climate change, agriculture and health in Africa, Harvard Radcliffe Accelerator Workshop, May 7 & 8, 2018, Cambridge, USA
176. **Sauerborn R.** Impact 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 55th 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 55th 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 (2017) Studying climate, agriculture, child nutrition and mortality forwards and backwards. Symposium "Agriculture, Nutrition, Health and Environment in Africa". Kennedy School of Government, Harvard University. 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 President 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, Ego 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. Soares I, 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 1st, 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? 14th 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 25th 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. 14th 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, Kolkata, 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. 13th 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.
92. Gnawali DP, Pokhrel S, Sanon M, De Allegri M, **Sauerborn R**. Applying Propensity Score Matching to assess the impact of community-based health insurance on the demand for health care in rural Burkina Faso. 6th World Congress of the International Health Economics Association (IHEA), Copenhagen, July 8-11, 2007.
91. Dong H, Gnawali DP, De Allegri M, **Sauerborn R**. Drop-out analysis of community-based health insurance membership at Nouna, Burkina Faso. 6th World Congress of the International Health Economics Association (IHEA), Copenhagen, July 8-11, 2007.
90. Akunne A, **Sauerborn R**. Identification of critical attributes of function of health in a rural West African population. 6th World Congress of the International Health Economics Association (IHEA), Copenhagen, July 8-11, 2007.
89. Yamamoto S, Sié A, **Sauerborn R**. Household Characteristics and severe malaria in Nouna, Burkina Faso. 5th European Conference on Tropical Medicine and International Health, Amsterdam, May 24-28, 2007.
88. **Sauerborn R**. Global environmental change and infectious diseases – impact and adaptation. International Conference (IHDP) "Towards sustainable Global Health", Bonn, May 9-11, 2007.
87. **Sauerborn R**. Ecology of infectious diseases in the anthropocene. Jahrestagung der Gesellschaft für Tropenökologie, Bonn, February 21-25, 2007.
86. **Sauerborn R**, De Savigny D. What are the global challenges for population health? Does research address them? 100. Jahrestagung der Deutschen Tropenmedizinischen Gesellschaft (DTG), Berlin, September 21-23, 2007.

2006

85. Yé Y, Sankoh O, **Sauerborn R**. Effect of Local Weather Conditions on *Plasmodium Falciparum* Infection Among Children in Savannah Regions. The 17th Global International Conference and Expo, Miami USA, April 19-21, 2006.
84. Yé Y, Louis V, Simboro S, **Sauerborn R**. Local Weather Conditions and *Plasmodium falciparum* Infection among Children in Savannah Regions. Development and Adaptation Days at COP-11, Montreal, Canada, December 3-4, 2005.
83. Yé Y, Hoshen M, **Sauerborn R**. Malaria risk prediction in holoendemic area: the potential of small-scale mathematical modelling. Fourth MIM Pan-African Malaria Conference, Yaoundé, Cameroon, November 13-18, 2005.
82. Yé Y, Louis V, Simboro S, **Sauerborn R**. Are weather parameters good predictors for *Plasmodium falciparum* infection among under five children at a local scale in tropical dry savannah region?' COHAB 2005, the First International Conference on Health and Biodiversity, Galway, Ireland, August 23 – 25, 2005.
81. Yé Y, Wahl T, Reitmaier P, Siegmund A, **Sauerborn R**. Incorporating environmental factors in modelling malaria transmission in under five in rural Burkina Faso. FINDEPTH-Network 4th Annual General and Scientific Meeting, Hanoi, Vietnam, May 3-7, 2004.

80. **Sauerborn R.** Reaching the poor: Does community-based health insurance help? Global Forum for Health Research, Cairo, October 29 – November 2, 2006.
79. Sauerborn R. Health Insurance for the Poor: a Dream or a Possibility? The American University, Cairo. November 1st, 2006.
78. **Sauerborn R.** Climate change impact on infectious diseases – impacts and adaptation. Keynote lecture, Conference EcoHealth ONE, Madison, October 7-9, 2006.
77. **Sauerborn R.** Reaching the poor: Does community-based health insurance help? Global Forum for Health Research, Cairo, October 29 – Nov 2, 2006.
76. **Sauerborn R.** Health Insurance for the Poor: a Dream or a Possibility? The American University, Cairo, November 1st, 2006.
75. **Sauerborn R.** Modeling the effect of temperature and precipitation on the micro-epidemiology of malaria in West Africa. Göttingen University Remote Sensing Conference, October 4-6, 2006.

2005

74. **Sauerborn R,** Kouyaté, B, Somé F, Bridges J. Cluster-randomized trial of community-based insurance. Conférence internationale sur le financement de la santé dans les pays en développement. Clermont-Ferrand, December 1-3, 2005.
73. **Sauerborn R,** Somé F, Pfeiffer K. Poor quality of care: a constraint to the implementation of community-based insurance. Conférence internationale sur le financement de la santé dans les pays en développement. Clermont-Ferrand, December 1-3, 2005.
72. De Allegri M, Sanon M, Tiawara G, **Sauerborn R.** Understanding decision to enroll in community-based insurance in sub-Saharan Africa: the case of the Nouna health district, Burkina Faso. Conférence internationale sur le financement de la santé dans les pays en développement. Clermont-Ferrand, December 1-3, 2005.
71. De Allegri M, Pohkrel S, **Sauerborn R,** Bridges J. Using multilevel modeling to explore demand for voluntary health insurance in low income countries. 5th World Congress of the International Health Economics Association (iHEA), Barcelona, 2005.
70. Pohkrel S, De Allegri M, Bridges JF, **Sauerborn R.** Does demand side subsidy improve health care utilization: a case study from Nouna, Burkina Faso. 5th World Congress of the International Health Economics Association (iHEA), Barcelona, 2005.
69. Pohkrel S, **Sauerborn R.** At what price would I say I'm sick: measuring health care costs' effect on illness perception. 5th World Congress of the International Health Economics Association (iHEA), Barcelona, 2005.

2004

68. Akunne AF, Bridges JFP, **Sauerborn R.** Visual Analogue Scales: Are The Elicited Preferences Analogue? ISPOR 7th Annual European Congress, Hamburg, Germany, 24-26 October, 2004.
67. De Allegri M, Sanon M, Bridges J, **Sauerborn R.** Preferences Matter: understanding demand For voluntary Health Insurance, ISPOR 7th Annual European Congress, Hamburg, Germany, October 24-26, 2004.

2003

66. **Sauerborn R**, Yé Y. Adding geo-science to demographic surveillance: a happy marriage? Workshop on „Environmental change and malaria risk: global and local implications“, Wageningen, NL, November 11-13, 2003.
65. Hidayat B, Thabrany H, Cashin C, **Sauerborn R**. Does health insurance coverage contribute on the demand for primary health care in Indonesia?: A policy implications for increasing access and expanding health insurance. 4th World Congress of the International Health Economics Association (iHEA), San Francisco, June 2003.
64. **Sauerborn R**, Mugisha F, Kouyaté B, Somé F, Dong H, Becher H. Gbangou A. Population- based data for estimating demand for health care under community-based insurance in Burkina Faso, 4th World Congress of the International Health Economics Association (iHEA), San Francisco, June 2003.
63. Pokhrel S, Cashin C and **Sauerborn R**. Modelling an episode of household decisions on Child Health Care. Poster presentation. 4th World Congress of the International Health Economics Association (iHEA), San Francisco, June 2003.

2002

62. **Sauerborn R**. The political economy of affliction, presentation and session chair: 1st EMBL conference. Infectious diseases and society. EMBL, Heidelberg, November 8-9, 2002.
61. **Sauerborn R**. Strategien gegen Gesundheitsbedrohung durch globalen Klimawandel. Ringvorlesung des Wissenschaftlichen Beirats der Bundesregierung Globale Umwelt-veränderungen und der Universität Bremen: auf dem Richtigen Weg? Zum Weltgipfel für Nachhaltige Entwicklung, Johannesburg 2002. Universität Bremen, June 11, 2002.
60. Hidayat B, Cashin C, **Sauerborn R**. Assessing the impact of health insurance on medical care. Asia Pacific Conf. "Health Insurance and Managed Care". Indonesia, May 22-25, 2002.
59. **Sauerborn R**. Demographic surveillance as a tool for public health research. Hanoi School of Public Health, Hanoi, Vietnam, February 13, 2002.

2001

58. **Sauerborn R**. Global environmental change and its impact on infectious diseases. Intl. Symposium "The future of tropical infectious diseases", Heidelberg, September 25-16, 2001.
57. **Sauerborn R**. Agriculture, Nutrition and Health. – Keynote lecture. Tropentag, Bonn, October 11, 2001.
56. Mugisha F, Kouyate B, Dong H, **Sauerborn R**. Costing health care interventions at primary health facilities in rural Burkina Faso: Abstract, Proceedings of the 3d Conference of the International Health Economics Association (IHEA), York, July 22-25, 2001.

2000

55. **Sauerborn R**, Yé Y. Demographic surveillance systems: a tool for the analysis of patterns of tropical diseases. Oxford 2000: New challenges in tropical medicine and parasitology, Oxford, United Kingdom, 18 – 22 September 2000.
54. Gbangou A, Würthwein R, **Sauerborn R**, Schmidt C. Years of life lost (YLL) by cause age and sex, in Nouna district, Burkina Faso - Comparison with the YLL and DALY estimates of the GBD program. Oxford 2000: New challenges in tropical medicine and parasitology. Oxford, United Kingdom 18 – 22 September 2000.
53. **Sauerborn R**, Telser H, Gbangou A. Assessing the willingness to pay insurance premiums in Burkina Faso XVth International Congress for Tropical Medicine and Malaria, Cartagena, 2000.
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