

Xavier de Radiguès, epidemiologist

e-mail xderadigues@gmail.com
Place of birth Lubumbashi, Democratic Republic of Congo (DRC)
Date of birth 13/03/1954
Nationality Belgian

Professional experience

Management

- September 2011 – March 2016 **Position:** Coordinator
Organisation: World Health Organization, Geneva; Information, Intelligence and Monitoring unit, ERM department (humanitarian crises)
Mission:
- Coordination of the unit
 - Supervision of the development and implementation of monitoring tools:
 - PRIME portal for accessing tools
 - HeRAMS (Health Resources Availability Monitoring System): tool for assessing and monitoring the availability of health services and resources in emergency settings
 - EWARS (Early Warning and Response System): tool for diseases surveillance, alert and response
 - MVH (Monitoring Violence against Health): tool for documenting violence against health sector
 - Coordination of surveys and assessments in emergency settings
- September 2001 – March 2003 **Position:** Head of mission (HoM) in DRC
Organisation: Epicentre
Project: Epidemiological early warning system (active surveillance system through 15 sentinel sites in Kinshasa, passive surveillance system for the rest of the country)
Mission:
- At first I participated, as a consultant, to the setup of the programme from March to July 1998: proposal writing and submission to the European Commission (through the PATS programme managed by AEDES), networking and negotiations with the Congolese Ministry of Health (MoH) and with the World Health Organization (WHO).
 - I came back in September 2001 as HoM. I was heading a team of 10 people including civil servants from the 4th Direction (MoH department in charge of epidemiological surveillance and outbreak response). Amongst my many tasks, I trained my team in data management and outbreak investigation. During that period, I supervised and participated to many outbreak investigations (measles, influenza, cholera, meningitis)
- February 1999 – July 2000 **Position:** Head of mission for South Sudan based in Kenya
Organisation: Médecins du Monde
Project: Primary health care, nutrition centres, vaccination activities in 3 locations (i.e. 2 in Bahr El Gazal and 1 in the Upper Nile region)
Mission:
- At the beginning of the mission, I was both HoM and medical coordinator. Later I trained a Kenyan doctor who became my deputy and medical coordinator.
 - As HoM I was responsible of all aspects of the 3 missions: medical, financial, political, and security wise.

- I organised and performed 3 nutrition surveys
- October 1997 – March 1998
- Position:** Medical coordinator for DRC
Organisation: Médecins Sans Frontières
Project: Small field hospital and a sleeping sickness clinic in the Bas-Congo province. It was also the main partner of the MoH for outbreak response (cholera and meningitis outbreaks)
Mission:
- Supervision of health staff (local and expatriate) in terms of quality of health care, data collection, analysis, interpretation and report
 - Relationship with local medical authorities
- November 1996 – March 1997
- Position:** Medical coordinator for Bosnia
Organisation: Médecins Sans Frontières
Project: Support to health facilities (drug distribution, rehabilitation), programme of mental health rehabilitation (PTSDs)
Mission:
- Supervision of expatriate health staff: 3 doctors, 4 nurses, 1 psychologist
 - Relationship with local medical authorities
- January – October 1996
- Position:** Medical coordinator and director of Kismayo hospital in Somalia
Organisation: Médecins Sans Frontières
Project: Kismayo hospital was a war hospital with a capacity of 300 beds, with surgical, medical, TB treatment and obstetrics activities, and with outbreak response facilities (cholera camp)
Mission:
- Responsible of medical, financial, political and security aspects
 - Supervision of health staff (local and expatriate) in terms of quality of health care, data collection, analysis, interpretation and report
 - Relationship with local authorities (warlords, local police)
 - Exploratory missions in the south of the country (outbreak alert and response, political events)

Surveys, surveillance and outbreak investigations

- Mid-June 2008 - August 2011
- Position:** Health Epidemiologist
Organisation: World Health Organization, Health Action in Crisis (HAC), Health and Nutrition Tracking Service
Mission:
- Selection, consolidation and production of standard procedures, guidelines and tools for collection and analysis of epidemiologic information.
 - Support to health authorities to improve the diseases early warning, alert system and response system, North-Kivu province, DRC, November 2008
 - Participation to the initial needs assessment after the earthquake, Haiti, February 2010
 - Support to WHO country office for improving the diseases early warning, alert system and response system, Pakistan, September 2010
- April 2003 - June 2008
- Position:** Senior epidemiologist in charge of epidemiological surveillance systems, and outbreak investigation & response
Organisation: Epicentre headquarters in Paris
During that period, **major investigations:**
- May 2003: 2 mortality surveys in Equateur province, DRC
 - August-September 2003: 2 vaccine coverage surveys in Sierra Leone
 - July – August 2004: outbreak of a disease of unknown origin, Pieri, South Sudan
 - April 2005: Marburg outbreak, Uige province, Angola
 - November – December 2005: yellow fever outbreak, South Kordofan, Sudan

- April 2006: cholera outbreak, Luanda, Angola

Training organisation

- September 2003 – May 2008
- General coordinator of 2 sessions of MSF trainings on outbreak response (how to investigate and how to respond to an outbreak): recruitment of lecturers and facilitators, supervision of lectures and case studies' content, supervision of the daily functioning of the training course
 - Organiser and general coordinator of 2 courses on outbreak response for MSF-B, one that took place in Kinshasa end of 2004 and the other one in Jakarta (Indonesia) end of 2006: on top of the usual coordination tasks, I was also responsible of the general design of the courses
 - General coordinator of 3 sessions of MSF "Populations in Precarious Situation" , the most important course organised by MSF-International on emergencies

Software development

- June 2008 – August 2011 Development of HANDS (surveillance software) and Surveys (data entry and automatic quality scoring of mortality & nutrition survey data)
- July 2005 – May 2008 Development and maintenance of 6 surveillance software applications (i.e. Excel and Epidata applications), and supervision of the development of a surgical activities monitoring software

Clinical activities

- August – December 1995 Clinical officer at Ngozi hospital (Burundi) for MSF-B: responsible of Intensive Care Unit, Therapeutic Feeding Centre and Paediatric Department
- July 1993 – March 1995 Private practice in Slovenia
- January 1987 – June 1993 Private practice in Belgium
- December 1985 – December 1986 Military service in Germany
- February – December 1984 Senior house officer at the Johannesburg General Hospital (South Africa), emergency department, and plastic and reconstructive surgery department

Diplomas and training

London School of Hygiene and Tropical Medicine

- September 2000 – August 2001 Master of Epidemiology (MSc)

Médecins Sans Frontières

- September – October 1996 Training in Management of Health Services

Université Libre de Bruxelles (Belgium)

- October 1974 – September 1982 Diploma of doctor in medicine, surgery and delivery

Guidelines editing

March 2006	Participation in the development of the WHO "Technical Guidelines for pandemic preparedness and mitigation in refugee & displaced population" in Geneva
2005	Participation in the update of "Rapid health assessment of refugee or displaced populations" guidelines (MSF guidelines)

Computer skills

<u>Type</u>	<u>Which one(s)</u>	<u>Knowledge</u>
Wordprocessor	Word	Proficient
Internet & e-mail	Outlook, Thunderbird, Google webmail, Firefox, Safari, Internet Explorer, Chrome	Proficient
Spreadsheet	Excel	Developer
Programming	Visual basic, Epidata	Working knowledge
Presentation	Power Point	Proficient
Database	Epidata, Epiinfo, Stata	Proficient
Other software	Notepad++, Access, Subversion, MySQL..	Working knowledge

Publications

de Radiguès X, Diallo KI, Diallo M, Ngwakum PA, Maiga H, Djimé A, Sacko M, Doumbo O, Guthmann JP.

Efficacy of chloroquine and sulfadoxine/pyrimethamine for the treatment of uncomplicated falciparum malaria in Koumantou, Mali.

Trans R Soc Trop Med Hyg. 2006 Nov;100(11):1013-8. Epub 2006 Jun 12.

Grais RF, de Radiguès X, Dubray C, Fermon F, Guerin PJ.

Exploring the time to intervene with a reactive mass vaccination campaign in measles epidemics.

Epidemiol Infect. 2006 Aug;134(4):845-9. Epub 2006 Jan 26.

Guthmann JP, Pittet A, Lesage A, Imwong M, Lindegardh N, Min Lwin M, Zaw T, Annerberg A, de Radiguès X, Nosten F.

Plasmodium vivax resistance to chloroquine in Dawei, southern Myanmar.

Trop Med Int Health. 2008 Jan;13(1):91-8.

Gould LH, Osman MS, Farnon EC, Griffith KS, Godsey MS, Karch S, Mulenda B, Kholy AE, Grandesso F, de Radiguès X, Brair ME, Briand S, Tayeb ES, Hayes EB, Zeller H, Perea W.

An outbreak of yellow fever with concurrent chikungunya virus transmission in South Kordofan, Sudan, 2005

Trans R Soc Trop Med Hyg. 2008 May 23

Collin N, de Radiguès X, Kieny MP

Vaccine production capacity for seasonal and pandemic (H1N1) 2009 influenza Vaccine, 2009 June

Nielsen J; Prudhon C; de Radigues X

Trends in malnutrition and mortality in Darfur, Sudan, between 2004 and 2008: a meta-analysis of publicly available surveys

International Journal of Epidemiology, 2011 February

Prudhon C; de Radigues X; Dale N; Checchi F

An algorithm to assess methodological quality of nutrition and mortality cross-sectional surveys: development and application to surveys conducted in Darfur, Sudan
Population Health Metrics. 2011 Nov 9

Miscellaneous

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| 1988 – 1994 | Translation of several Chinese medicine books (from English to French) |
| 1991 – 1993 | Official free-lance translator for the European Commission and Parliament |