

BACKGROUND & INTERESTS OF TDCT AND TDAC MEMBERS

CO-CHAIRS:

Jorge Emmanuel, PhD (San Francisco, USA)

Chief Technical Advisor, Global Project Team, UNDP GEF Project on Healthcare Waste
Adjunct Professor, Department of Chemical Engineering, College of Engineering,
University of the Philippines, Diliman

President, Environmental & Engineering Research Group, Pinole, California

Background and interests: chemistry, chemical engineering, environmental management,
public health; computational fluid mechanics, heat transfer, polymer science, hazardous
waste, environmental remediation, medical waste management, treatment technologies

Jamidu Katima, PhD (Dar es Salaam, Tanzania)

Deputy Principal for Academic Research and Consultancy, and Professor in the Faculty
of Mechanical and Chemical Engineering, University of Dar es Salaam

Global Project Team, UNDP GEF Project on Healthcare Waste

Co-Chair, International POPs Elimination Network

Background and interests: chemical and process engineering; process/plant equipment
design, separation processes, environmental management systems, chemicals
management, transport phenomena, energy management

TECHNOLOGY DEVELOPMENT COORDINATING TEAM

Emrod Elisante, PhD (Dar es Salaam, Tanzania)

Lecturer, Department of Chemical and Process Engineering, College of Engineering and
Technology, University of Dar es Salaam

Team Leader, Research & Development Team, UNDP GEF Project on Healthcare Waste

Background and interests: chemical and process engineering; technology development
up-scaling, process design and control

Jamal Kiama (Dar es Salaam, Tanzania)

Programme Officer for Partnerships and Outreach Projects, AGENDA for Environment
and Responsible Development

Background and interests: chemical and process engineering; persistent organic
pollutants, clean development, environmental management, environment impact
assessment, medical waste management and treatment

John Mrema (Dar es Salaam, Tanzania)

Head of Environmental Services Department and Estate Manager, Muhimbili National
Hospital, Dar es Salaam

Background and interests: environmental engineering, business administration; water and
sanitation, wastewater, waste management, hospital estate management

Ed Krisiunas, MT(ASCP), MPH (Burlington, USA)

President, WNWN International

Board member, International Society on Analytical Assessment of Treatment
Technologies (formerly, STAATT)

Background and interests: medical technology, public health; infection control and prevention, occupational health and safety, microbiological inactivation testing, medical waste management, treatment technologies

RESEARCH & DEVELOPMENT TEAM (University of Dar es Salaam, Tanzania)

Emrod Elisante, PhD, Team Leader (see above)

Jamidu Katima, PhD (see above)

Bavo Nyichomba, PhD

Director of Technology Development and Transfer Centre, and Senior Lecturer in the Department of Design and Production Engineering, Faculty of Mechanical and Chemical Engineering, College of Engineering and Technology

Background and interests: mechanical engineering; manufacturing engineering, materials technology

Tito Mwinuka, PhD

Lecturer, Department of Design and Production Engineering, Faculty of Mechanical and Chemical Engineering, College of Engineering and Technology

Background and interests: mechanical engineering; engineering design, design and production

TECHNOLOGY DEVELOPMENT ADVISORY COMMITTEE

Principal Cooperating Agencies of the UNDP GEF Project for Healthcare Waste:

Yves Chartier (WHO, Geneva, Switzerland)

Public health engineer, Water, Sanitation, Hygiene and Health, Department for Public Health and Environment, World Health Organization

Global Project Team, UNDP GEF Project

Background and interests: public health engineering; water, sanitation and hygiene, environmental health standards, health policy, healthcare waste management

Ruth Stringer (HCWH, Exeter, UK)

International Science and Policy Coordinator, Health Care Without Harm

Background and interests: chemistry; pollution research, environmental toxicology, industrial waste treatment technology, chemicals policy, medical waste management, waste reduction and minimization, waste treatment technology

Gary Cohen (HCWH, Boston, USA)

Co-Executive Director, Health Care Without Harm

Executive Director, Environmental Health Fund

Background and interests: environment and environmental health issues, environmentally sustainable health care, green hospital building, social entrepreneurship

Other Members:

Ravi Agarwal, MBA (New Delhi, India)

Director, Toxics Link

Background and interests: communications engineering, business administration; chemical safety, POPs, municipal waste, hazardous and electronic waste, clean technologies, mercury in healthcare, medical waste

Jacinto Amandua, M.D. (Kampala, Uganda)

Commissioner of Health for Clinical Services, Ministry of Health, Uganda

Background and interests: medicine, medical administration, palliative care, HIV/AIDS; safety in health services, injection safety

Catherine Capio, MScErg, PTRP (Hong Kong)

Research Postgraduate Staff, Institute of Human Performance, The University of Hong Kong, Hong Kong; former Senior Lecturer, College of Allied Medical Professions, University of the Philippines; Member, Center for Ergonomics of Developing Countries

Background and interests: ergonomics, physical therapy; ergonomics assessment, integration of human factors in production systems, neuroscience, work-related musculoskeletal disorders, anthropometry

Ibrahima Cisse, Maitrise, D.E.A., Doctorat (Dakar, Senegal)

Head of Research on environmental management and public health, Senegal Institute of Agricultural Research, National Laboratory for Farming and Veterinary Research

Background and interests: environmental geography; environmental protection, natural resource management, pesticides and food production, POPs, urban and hospital waste

Jonathan Colton, PhD (Atlanta, USA)

Professor of Mechanical Engineering, Georgia Institute of Technology

Member, Technologies and Logistics Advisory Committee, Department of Immunizations, Vaccines and Biologicals, World Health Organization

Background and interests: mechanical engineering; design and manufacturing focusing on polymer and polymer composites, especially as related to biomedical devices, medical waste recycling

Ousmane Dia, MS, MBA (Arlington, USA)

Senior Logistics/Operations Manager, Making Medical Injections Safer, John Snow, Inc.

Former Regional Technical Officer, WHO Regional Office for Africa; former WHO Logistician, Democratic Republic of Congo; and former Unit Director/Head of Biomedical Maintenance, Ministry of Health, Senegal

Background and interests: engineering, business administration; project management, health technology (planning, procurement and maintenance of biomedical equipment), supply chain management, injection safety and healthcare waste management

Paolo Froes, MD, MPH, PgD OH & SPS (Panamá City, República de Panamá)

Regional Advisor, Child Survival and Immunization / Health Regional Focal Point for AI/HPI preparedness and response, Health and Nutrition Section, United Nations Children's Fund (UNICEF) Latin America & Caribbean Regional Office

Background and interests: medicine, public health, social psychiatry; child survival and immunization, avian influenza/human pandemic influenza and other infectious diseases, injection safety, cold chain management, technologies, immunization waste

Satish Kaipilyawar, MBBS, MHA (Hyderabad, India)

State Manager, Andhra Pradesh, & Project Director, India TB Program

Background and interests: medicine and surgery, health administration; injection safety, immunization waste, sharps waste disposal

Shedrack Maximilian (Bagamoyo, Tanzania)

Assistant Health information management system coordinator, Bagamoyo District Council; Coordinator of Information and Communication Technology, Bagamoyo District Health Department

Background and interests: environmental health sciences; environmental sanitation, solid waste management

Glenn McRae, PhD (Burlington, USA)

Founding Partner, CGH Environmental Strategies

Consultant, UNDP GEF Project

Background and interests: applied anthropology; healthcare waste management systems, strategic systems design for waste minimization and pollution prevention, healthcare waste management training and education, policy development and regulatory oversight, ethnographic review of how people use technology

Shaheen Mehtar, MBBS, FRC Path [UK], FCPATH [Micro] [SA], MD [Eng] (Capetown, South Africa)

Head of Academic Unit for Infection Prevention and Control, Tygerberg Hospital & Stellenbosch University

Background and interests: medical microbiology, infection control and prevention; hospital acquired infections, HIV/AIDS, hepatitis and TB transmission, training, capacity building, safe injection

Jules Millogo, MD, MS (Washington DC, USA)

Medical Director, Retractable Technologies Inc.

Former Director, Making Medical Injections Safer Project; former technical advisor, John Snow, Inc.; formerly worked with WHO Regional Office for Africa

Background and interests: medicine, epidemiology; HIV/AIDS and hepatitis transmission, needle-stick injuries, injection safety and health workers safety standards and policies, safety needle devices

Nancy Muller, MA (Seattle, USA)

Senior Program Officer (team leader for PATH's non-incineration waste treatment technologies), Technology Solutions, PATH

Background and interests: international program management; immunization-related and maternal & child health programs, development of evaluation protocols and assessment tools, training materials, performance or design criteria for appropriate technologies, field evaluations of technologies in low-resource settings, end-user issues

Babacar N'Doye, MD (Dakar, Senegal)

Professor and Coordinator, PRONALIN (National Program Against Nosocomial Infections), Ministry of Health, Senegal

Background and interests: medicine, bacteriology, virology, tropical epidemiology, biomedical laboratory management; hospital-acquired infections, infection control and prevention, patient safety, hospital hygiene, healthcare waste management

Tina Norgard, MBA (Hørsholm, Denmark)

Managing Director and co-founder, Emunio ApS

Advisory Board Member of Develop Solution, Copenhagen Business School (to create innovative ideas to solve problems in the developing world)

Background and interests: business management; production of medical devices especially syringes, environmentally friendly design of medical disposables, AD syringes, waste management of syringes and needles including recycling

Susan Otieno, MPHE (Nairobi, Kenya)

Deputy Chief Nursing Officer and National Coordinator for Injection Safety Practices, Ministry of Health, Kenya

Background and interests: general nursing, community health nursing, midwifery, health systems management in HIV/AIDS, public health and epidemiology; safe injection practices, nursing workforce, infection control

Marcia Rock, MPH (Arlington, USA)

Technical Officer and Healthcare Waste Management focal point, John Snow, Inc.

Former Public Health Thematic Group coordinator and focal point for injection safety, World Bank; Former deputy to the Technical Director, BASICS project

Background and interests: immunization, injection safety, healthcare waste management and other areas of public health, national policy and plan development for healthcare waste management, capacity building, technology, communication/coordination

Adama Sawadogo, PhD (Gombé, République Démocratique du Congo)

Logistics Adviser for WHO Regional Office for Africa

Former Researcher on solar energetic systems, Centre National de la Recherche Scientifique, Burkina Faso

Background and interests: mechanical engineering, solar-powered systems; convection heat transfer, photovoltaic systems, logistics for expanded programme on immunization, vaccine waste

Susan Wilburn*, MPH, RN (Geneva, Switzerland)

Technical Officer, Occupational & Environmental Health, Health Security and Environment, Department of Public Health and Environment, World Health Organization

Background and interests: nursing, occupational safety and health, environmental health, healthcare and waste worker safety, injection safety

* Membership pending final approval