

Shelter and Health: Multi-Sectorial Learning Day 14th May 2020

10:00 – 16:30 BST via Zoom

This Multi-Sectorial Learning Day is organised by the UKRI GCRF Translations Award-funded 'Self-recovery from Humanitarian Crisis' research project (grant EP/T015160/1) <https://self-recovery.org>. Shelter self-recovery (people making decisions and plans as they navigate their own recovery pathways) sits within the humanitarian/development nexus; humanitarian and development practitioners can learn from each other as they strive to understand how to promote healthy homes in a variety of settings. The online event is co-hosted by Oxford Brookes University's **Centre for Development and Emergency Practice (CENDEP)** and **CARE International UK**.

Whilst there is broad agreement that housing has many impacts on mental and physical health, the humanitarian **Shelter Sector is developing understanding of how to incorporate a 'health lens' into humanitarian programming**. The Shelter sector also seeks to develop ways of measuring impacts of shelter assistance on health, thus creating an evidence base that could influence future policy and practice.

Since the learning day was instigated, **COVID-19** has evolved as a global threat. The current pandemic amplifies existing humanitarian and development challenges, including those relating to housing. Some of these issues we explored in a recent project CENDEP blog post [here](#). The learning day will include consideration of the implications of the COVID-19 and climate crises for shelter and health. However, there are many endemic housing-related health issues that could possibly be mitigated by better shelter programming. The key questions that will be discussed are:

What are the connections between housing and health?

What are the implications for humanitarian shelter policy and practice?

Housing and health

- *What are the meeting points of shelter/housing and health – both physical and mental health?*
- *What are the gaps in our knowledge and understanding of the links between shelter/housing and health?*
- *What are the limiting factors in people obtaining healthy housing in different settings?*
- *What are the long-term benefits of addressing healthy housing? To what extent are these measurable?*
- *What can humanitarian shelter practitioners learn from other sectors (epidemiology, environmental health, WaSH, development/public housing...) that would aid their contribution to healthy housing?*

Humanitarian shelter practice

- *What are the priorities - what aspects of 'healthy housing' should humanitarian shelter actors engage with?*
- *To what extent is health a priority issue for people in different settings; how do we know?*
- *How can we work with communities to understand how they can achieve healthier housing, in rural and urban settings, following disasters and conflict?*
- *What does this mean in practice – for programme design, assessments, implementation, funding, monitoring and evaluation?*
- *What are the challenges of measuring physical and mental health impacts of shelter interventions? How can we overcome these challenges and adequately measure impact?*
- *How might healthy housing interventions intersect with long-term recovery pathways of affected populations?*
- *How can we communicate healthy housing objectives and potential outcomes to donors?*
- *If people are 'self-recovering' (making decisions and plans as they navigate their own recovery pathways using their own resources), what information might they need that could lead to healthier housing outcomes?*

The **agenda** is on the next page and is followed by short **speaker biographies**. If you were unable to register to attend, we will be disseminating the findings from the day in a report.

Agenda	Time
Arrival. [Zoom tech support available from 0945]	0955 - 1000
1. Welcome from Professor Cathrine Brun, Director of CENDEP, Oxford Brookes University	1000 - 1005
2. Introduction: background and objectives of the day, the Global Burden of Disease, connections between shelter and health, self-recovery, knowledge and evidence gaps. <i>Sue Webb. CENDEP</i> <i>Niall Roche. Environmental health consultant</i> <i>Bill Flinn. CARE International</i> <i>Jamie Richardson. Catholic Relief Services (CRS)</i> <i>Fiona Kelling. Humanitarian shelter consultant</i> <i>Enrique Sevillano Gutiérrez. CRAterre</i>	1005 - 1045
Break	1045 - 1055
3. Panel 1. Physical health issues related to shelter/housing Facilitator: Bill Flinn (CARE International) <i>Lucy Tusting. London School of Hygiene and Tropical Medicine</i> <i>Elizabeth Berryman. Save the Children South Sudan</i> <i>Andy Bastable. Oxfam</i> <i>Jenny Lamb. CRS</i> Q&A	1055 - 1145
4. Panel 2. Measuring and mitigating health impacts in a variety of housing/shelter settings. Facilitator: Charles Parrack (CENDEP) <i>Emily Nix. University College London and Liverpool University</i> <i>Sarah Ruel Bergeron. ARCHIVE Global</i> <i>Ronita Bardhan. University of Cambridge</i> <i>Samuel Cai. University of Oxford</i> Q&A	1145 - 1235
Lunch	1240 - 1315
5. Panel 3. Mental health issues related to shelter/housing in disasters and conflict. Facilitator: Beth Simons (CARE International) <i>Jamie Richardson and Melissa Tucker. CRS</i> <i>Jill Baumgartner. McGill University and Imperial College, London</i> <i>Olivia Nielsen. Miyamoto International</i> <i>Guglielmo Schininà. International Organization for Migration (IOM)</i> Q&A	1315 - 1405
6. Panel 4. Game-changing crises? The implications of COVID-19 and the climate emergency. Facilitator: Cathrine Brun (CENDEP) <i>Ilan Kelman. University College London</i> <i>Cecilia Schmölder. International Federation of Red Cross and Red Crescent Societies</i> <i>Brett Moore. The United Nations Refugee Agency (UNHCR)</i> <i>Niall Roche. Environmental health consultant</i> Q&A	1405- 1455
Break	1455 - 1505
7. Breakout group discussions involving all participants <i>What have we learnt? What are the gaps? What are the next steps?</i>	1505 - 1600
8. Plenary: group feedback and final discussion identifying next steps Closing comments and announcements	1600-1630

Speaker Biographies



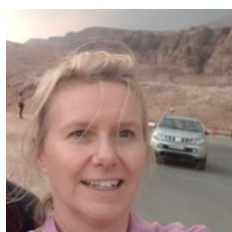
Andy Bastable has over 30 years of practical emergency and development field experience in the sector of water and sanitation. Andy joined Oxfam in 1990 and has been involved responding to humanitarian crises across the globe since that time as well as being involved and leading a number of innovation projects both for emergency response and longer-term sustainability. Andy took over the leadership of Oxfam's Public Health Engineering team in 2002. In 2013 Andy led the Emergency Wash Sector Gap analysis for the Humanitarian Innovation Fund allowing agencies to focus on the areas which need more R & D.



Ronita Bardhan is University Lecturer of Sustainable Built Environment at the Department of Architecture, University of Cambridge and leads the Sustainable Design Group. She holds visiting position at Stanford University and Indian Institute of Technology Bombay. She works on the niche sector of habitat design, energy decisions and gender equality for low-income housing in Global South, especially in the slum rehabilitation housing of Mumbai. Her tractable research informs demand-side design solutions which positively affects energy security, gender equality and well-being while entailing fewer environmental risks. She believes that data-driven design of built environments can effectively address sustainability.



Jill Baumgartner is an Associate Professor of Epidemiology at McGill University and currently a Visiting Researcher at Imperial College London. Dr. Baumgartner studies exposure to environmental pollutants and their effect on human health in the context of urbanization and development. She has directed research programs on housing, environment, and health in Latin America, East and South Asia and sub-Saharan Africa. She currently leads the Health Outcomes component of the Wellcome Trust-funded Pathways for Equitable and Healthy Cities program where she is investigating the links between housing tenure security and health.



Elizabeth Berryman is currently working for Save the Children in South Sudan as a Technical Health Specialist. She has more than 20 years' experience in public health in development settings, fragile states and emergency response with established international NGOs. She has been working to raise awareness of childhood pneumonia and supported the joint Save the Children/UNICEF/Every Breath Counts Coalition Global Action Plan for Pneumonia.



Cathrine Brun is the Principal Investigator of the GCRF Translations Award-funded Self-recovery from Humanitarian Crisis project. She is Director of the Centre for Development and Emergency Practice (CENDEP) at Oxford Brookes University. CENDEP is a multidisciplinary centre under the School of Architecture that brings together aid workers, academics, professionals and practitioners to develop practice-oriented approaches in disaster risk reduction and response, chronic poverty, building urban resilience, conflict transformation, refugee studies and torture prevention.



Samuel Cai is a senior epidemiologist at the Nuffield Department of Women's and Reproductive Health, University of Oxford. His research focuses on environmental epidemiology, studying health effects of multiple environmental stressors, climate change, and exposure assessment, by harnessing data science to better inform environmental health policy-making. He is currently co-leading the Informal Cities Programme, funded by the Oxford Martin School, on investigating environmental health impacts across informal settlements. Samuel read preventive medicine (B.Med), with postgraduate training in epidemiology (MSc with distinction) and environmental epidemiology (PhD), both at

Imperial College London. Prior to joining Oxford, he was an MRC-funded research fellow at Imperial's MRC Centre for Environment and Health.



Bill Flinn is a senior humanitarian shelter advisor at CARE International UK. He is a qualified architect and has worked in development and humanitarian relief on four continents. For nine years he worked in Central America and Mexico in appropriate technology and human rights, before returning to the UK to specialise in Shelter after Disaster. In recent years he has been a leading proponent of supporting self-recovery as an appropriate and powerful force for post-disaster recovery, collaborating on research projects with the Overseas Development Institute (ODI), University College London (UCL) and the British Geological Survey. He also teaches Shelter after Disaster at the Centre for Development and Emergency Practice (CENDEP), Oxford Brookes University.



Fiona Kelling is an independent humanitarian shelter consultant based in Amman, Jordan. She has over a decade of experience spanning shelter project management and coordination, training and guidelines development, and strategic evaluation and research. With an undergraduate degree in architecture from the University of Edinburgh, she holds her Part II in architecture and a Masters in Development and Emergency Practice from Oxford Brookes University in addition to a postgraduate diploma in Land Management from the Institute of Housing and Urban Development Studies in Rotterdam. View her [full profile on LinkedIn](#).



Ilan Kelman <http://www.ilankelman.org> and Twitter/Instagram [@ILANKELMAN](#) is Professor of Disasters and Health at University College London, England and a Professor II at the University of Agder, Kristiansand, Norway. His overall research interest is linking disasters and health, including the integration of climate change into disaster research and health research. That covers three main areas: (i) disaster diplomacy and health diplomacy <http://www.disasterdiplomacy.org> ; (ii) island sustainability involving safe and healthy communities in isolated locations <http://www.islandvulnerability.org> ; and (iii) risk education for health and disasters <http://www.riskred.org>



Jenny Lamb has over 17 years of experience from the humanitarian, development and private sector in the field of WASH. In the humanitarian sector Jenny has worked primarily with Oxfam, but also with GOAL and NRC either as emergency WASH field staff and, more recently, as a Technical Advisor with CRS. Recently, she co-authored the revision of the WASH chapter of the 2018 Sphere Handbook. Jenny is a passionate advocate for research and development, environmental health, community engagement, social anthropology, sustainable sanitation solutions and understanding market systems in WASH.



Brett Moore Brett Moore is the Chief of the Shelter and Settlements Section in UNHCR, and co-leads the Global Shelter Cluster with IFRC. Brett has worked as an independent consultant, and also with governments, NGO's and with the UN for several years, in a variety of roles around post-disaster and post-conflict response, recovery and reconstruction. In recent years he has been involved in teaching and research and in 2015-16 was awarded a Loeb Fellowship at Harvard University in the USA. He holds a Bachelor of Planning and Design, and a Bachelor of Architecture (Hons) from the University of Melbourne; studies in Urban Design and Architecture at Penn State University in the USA and Rome. He has studied Development Studies at RMIT University, Melbourne, where he maintains an affiliation with the Humanitarian Architecture Research Bureau of RMIT University.



Olivia Nielsen is an Associate Principal at Miyamoto International where she focuses on resilient housing solutions. From post-disaster Haiti to Papua New Guinea, she has developed and worked on critical housing programs in over 30 countries. Olivia has a decade of experience in housing finance, housing public-private partnerships, post-disaster reconstruction and green construction. Through her work she hopes to make safe and affordable housing available to all.



Emily Nix is a Researcher focused on the interactions between housing, health and sustainability in low and middle-income countries. Her PhD assessed housing quality in Delhi, India and evaluated interventions to reduce household energy use and exposure to indoor pollution, heat and cold. Emily led a participatory project in an informal settlement in Delhi to co-create housing solutions for health and sustainability, securing additional funding to demonstrate and evaluate solutions. Emily is part of an international consortium investigating pathways of infections in Indian and Indonesian slums. Emily recently led a review of healthy housing policies for WHO and now she is contributing to a project on household air pollution in Ghana, Kenya and Cameroon.



Jamie Richardson is the Shelter and Settlements Technical Advisor for Catholic Relief Services (CRS): He has over 20 years' experience working on shelter and infrastructure programs for the Red Cross and other NGOs including training, education, research and development. His current role at CRS has a focus on promoting sustainable and holistic approaches, including health and wellbeing. In May 2019, he co-facilitated a workshop and conference at the University of Bath on Health and Shelter.



Niall Roche is an Environmental Health Officer by profession but has worked in the area of humanitarian assistance and development for close to 30 years. His experience stretches all across sub-Saharan Africa and Asia. Much of his direct field experience has been gained working with international NGOs (Concern, MSF and CARE) and to a limited extent with UNICEF. Since 2005 he has worked as a consultant in WaSH/Environmental Health and wider Public Health engaged in monitoring and evaluation of public health interventions in a range of settings from sudden onset emergencies to more development contexts. He also works as an Associate RedR trainer and holds a number of part time lecturing posts in academic institutions across Europe. His areas of interest cover Public Health in Humanitarian Action, WaSH in Emergencies, Global Health, Climate Change and Health.



Sarah Ruel Bergeron is a licensed architect and the Director of Projects and Development at ARCHIVE Global, a non-profit working to combat diseases through interventions to the built environment in vulnerable communities worldwide established in 2006. She designs, implements and evaluates projects that operate at the intersection of health and the built environment – her latest project focuses on replacing dirt floors with concrete in Bangladesh to prevent diarrheal disease and respiratory and skin infections. Sarah has extensive experience in affordable housing, healthcare architecture, and construction, with a focus on sustainable design, resiliency, and hazard mitigation in vulnerable environments.



Enrique Sevillano Gutiérrez is an associate researcher at CRAterre, in the AE&CC research unit. He is particularly involved in producing Shelter response profiles (examples [here](#)) which give important contextual information of building practices and cultures. These profiles can also contribute to disaster preparedness. CRAterre has been developing a methodology for a wider approach to localised context analysis, incorporating questions on health into their methodology and also investigating how to enable remote assessments.



Guglielmo Schininà is Head of Mental health, Psychosocial Response and Intercultural Communication at the International Organization for Migration (IOM). He has designed, managed and supervised psychosocial support activities in war-torn situations and disasters, with vulnerable migrants and victims of trafficking, and in cultural integration in more than 70 Countries worldwide. He designs and co-direct the Summer School in Psychosocial Interventions in Migration, Emergency and Displacement at the Scuola Sant'Anna in Pisa.



Cecilia Schmölzer is the Focal Point for Technical Coordination for the Global Shelter Cluster on behalf of IFRC (International Federation of Red Cross and Red Crescent Societies). Trained as a carpenter and with Masters in Architecture (UNIKassel) and Human Settlements (KU Leuven), she has been involved in post disaster shelter and reconstruction work since the Indian Ocean Tsunami. She has worked as construction delegate and project coordinator for German Red Cross and UNOPS, before taking the position of coordinator of the IFRC Shelter Research Unit. In her current position with the Global Shelter Cluster she is deployed as surge capacity for the coordination and/or technical coordination of the overall humanitarian shelter response in countries affected by disaster. She is also part of several Global Shelter Cluster Working Groups, the GCRF self-recovery research project and regularly facilitates training and workshops.



Lucy Tusting is an Assistant Professor at the London School of Hygiene and Tropical Medicine (LSHTM). She is an infectious disease epidemiologist interested in the control of malaria and other vector-borne diseases. She is funded by an MRC Skills Development Fellowship to investigate the role of housing improvements in reducing malaria transmission in Africa. Lucy is co-chair of the Roll Back Malaria Partnership's Housing and Malaria group and a co-director of the BOVA network (Building Out Vector-Borne Disease in sub-Saharan Africa)



Melissa Tucker is the Technical Advisor for Psychosocial Support for Catholic Relief Services Humanitarian Response Department. With a clinical background in psychology focusing on trauma and disaster, Melissa has moved from direct service and applied research to supporting country programs and partners in mental health and psychosocial support activities in the areas of counselling, child protection and GBV, as well as integration with social cohesion and peacebuilding and shelter. She is currently contributing to the development of global measurements of Wellbeing in children, and continues to promote mental health and psychosocial support as a multi-sectoral approach across humanitarian response.



Sue Webb is CENDEP's Research Assistant for the Self-recovery from Humanitarian Crisis project. Her background is in Geography, with many years' experience as a secondary school teacher. She also holds Masters in Social Anthropology of Development (SOAS) and Development and Emergency Practice (Oxford Brookes). She is an experienced trainer of coaching techniques for educators.

In addition, **Charles Parrack** (CENDEP) and **Beth Simons** (CARE) are facilitating panel discussions. **Emma Weinstein Sheffield** (CARE) is on the organising team.

Other CARE and CENDEP staff and students are helping with moderation and notetaking.

THANK YOU to all who have contributed to the running of the day.