



Collaborating Centre for Oxford University and CUHK
for Disaster and Medical Humanitarian Response
CCOUC 災害與人道救援研究所

活动报告

Activity Report 2017-2021



综览 Overview

Asia is the world's most densely populated continent and suffers the highest number of disasters. The health impact of disaster upon the human population is exacerbated by significant resource disparity as well as a lack of research and technical knowledge transfer in the field of disaster risk management.

Collaborating Centre for Oxford University and CUHK for Disaster and Medical Humanitarian Response (CCOUC) has been established by the joint effort of Oxford University and The Chinese University of Hong Kong as a non-profit research centre to carry out research, training and community knowledge transfer in the area of disaster and medical humanitarian response in Greater China and the Asia-Pacific Region since April 2011. Housed in the CUHK Faculty of Medicine, CCOUC draws on extensive technical expertise and collaborative networks of its supporting institutions.

CCOUC team comprises experts from diverse background including public health, emergency medicine, midwifery, epidemiology, surgery, clinical psychology, radiology, nutritional sciences, development studies, public policy, communication, anthropology and sociology. Together, the team engages in multidisciplinary research as well as academic and regional exchange to advance the field of evidence-based medical humanitarian actions and activities.

亚洲是全球人口最密集和受灾害影响最深的地区。资源分配不均、缺乏灾害风险管理相关的科研及技术知识转移，加深了灾害对亚洲人民健康方面的负面影响。

CCOUC 灾害与人道救援研究所由英国牛津大学及香港中文大学于2011年4月合作成立，是一所非营利研究所，致力开展与大中华和亚太地区灾害与人道救援有关的研究、培训和知识转移。研究所设于香港中文大学医学院，得以充分利用各方广博的专业技术和庞大的合作网络。

CCOUC 成员具广泛的专业背景，包括公共卫生、急救医疗、产科、流行病学、外科、临床心理、放射医疗、营养科学、发展研究、公共政策、通讯、人类学及社会学等。研究所鼓励跨学科研究及学术和区域交流，成员上下一心，为改进循证医疗人道行动而努力。



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所长的话 Message from Centre Director

CCOUC is celebrating its 10th year anniversary in 2021. With great pleasure, I am presenting to you in this report our activities from August 2017 to September 2021.

Striving towards our academic missions and expanding our global academic networks and engagements have been the main objectives for the past four years. Supported by our parent units, Faculty of Medicine of The Chinese University of Hong Kong and Nuffield Department of Medicine of the University of Oxford, we maintained our close academic partnerships with Harvard T.H. Chan School of Public Health and LKS Faculty of Medicine of The University of Hong Kong. In 2016, CCOUC earned its status as one of the global International Centres of Excellence (ICoEs) for Disaster Risk Reduction of the Integrated Research on Disaster Risk (IRDR) programme under United Nations Office for Disaster Risk Reduction (UNDRR) and International Science Council (ISC). Our centre is recognised as a China focal point for Sphere, as well as has been actively supporting the World Health Organization Centre for Health Development (WHO Kobe Centre) for its role in coordinating the global WHO Thematic Platform for Health EDRM Research Network. Members and affiliates of CCOUC have also been serving actively in technical committees of WHO, World Meteorological Organization, UNDRR, and Alliance of International Science Organizations on Disaster Risk Reduction (ANSO-DRR). We contributed in numerous disaster-related international policy platforms such as United Nations Global Platform for Disaster Risk Reduction, Asian Science and Technology Conference for Disaster Risk Reduction, Asian Ministerial Conference for Disaster Risk Reduction, Asia Pacific Conference on Disaster Medicine, and the First Global Heat Health Forum.

During the past four years, Health Emergency and Disaster Risk Management (Health-EDRM); environmental, climate change and health; as well as global health and humanitarian medicine are our three main research themes. More than 80 international peer-reviewed papers, 7 books, and numerous book chapters, technical reports, guides and manuals in these areas were published. New academic collaborations and research networks with Keio University, National University of Singapore, Xi'an Jiaotong University, University of Exeter, University of Northumbria, University of Macau, Chinese Center for Disease Control and Prevention, and World Health Organization were fostered. For education and academic development, CCOUC hosts fellowships and administers scholarships that aim to encourage excellence and passion in disaster research and field studies. CCOUC has also developed 11 English and 2 Chinese Massive Open Online Courses (MOOCs) since 2014. By 2021, these programmes have accumulated more than 62 cohorts of dedicated online learners and have

attracted more than 24,000 registered students globally. Academic staff also continued to develop and provide undergraduate to post-doctoral courses and training that focus on academic subjects in global health-, disaster- and field-related interest. Our efforts have earned us the University Education Award (2018) from The Chinese University of Hong Kong, UGC Teaching Award (2018) from University Grants Committee of Hong Kong, and in 2019 the National Teaching Achievement Award (Higher Education) from Ministry of Education of China.

Field research and medical humanitarian actions remain as an essential activity of this centre. Established since 2009 and after a decade of related research, field teaching and community services, our flagship Ethnic Minority Health Project we have reached more than 18,000 villagers from 17 ethnic minority groups in 10 provinces in China by 2021. This programme has also been the platform to enable training for nearly 700 students, staff members and practitioners. During 2017 to 2021, our team had identified and built new project in remote areas in mainland China and in four Asian countries namely Bhutan, Democratic People's Republic of Korea, Myanmar, and Nepal. In August 2021, although in the midst of the COVID-19 pandemic, in order to celebrate our 10th anniversary and the CUHK Faculty of Medicine's 40 anniversary, CCOUC team has organised the 2021 Hong Kong Health-EDRM project that outreach to older people residing in urban enclaves and island communities and targeted to build community health resilience and self-help towards extreme events. Community knowledge transfer is another key pillar of CCOUC activities. Since 2014, we have provided professional development programmes for Hong Kong secondary school teachers and distributed related education materials to 381 teachers and more than 100,000 students in 219 secondary schools. Our climate change and health research outcomes were permanently displayed at the Jockey Club Museum of Climate Change at CUHK. We actively participated in public engagement through public talks, radio and TV interviews, and discussion forums, as well as provided guest lectures for fire and ambulance services and emergency training for

the government officials. Specifically, we have also successfully completed our 5-year academic collaborations with the Hong Kong Jockey Club Disaster Preparedness and Response Institute (HKJCDPRI) of the Hong Kong Academy of Medicine in 2019. We are grateful to Dr Donald Li, collaborating partners and the HKJCDPRI network members for all their support and facilitation to ensure completion of this important developmental milestone of CCOUC.

Since early 2020, the world has been facing the unprecedented public health emergency of COVID-19 pandemic. CCOUC members have been actively contributing to global scientific advancements and practical field solution generations to alleviate suffering and reduce adverse health impact of this global biological disaster. As CCOUC's Director, I have served as Co-Chairperson of the World Health Organization Global COVID-19 Research Roadmap Social Science working group, Technical Focal Point of the World Health Organization Global Outbreak Alert and Response Network (GOARN), and member of the World Meteorological Organization SARS-CoV-2/COVID-19 Task Team. Together with my CCOUC technical members, I have participated in World Health Organization's Global Research and Innovation Forums on COVID-19 and its various ad hoc consultations on COVID-19 throughout 2020-2021 to engage in various development of WHO technical guidelines, technical reports, and policy briefs and to support in rapid Chinese research literature review. Together with our global collaborators, research projects in homecare, psychological and behavioral response, and perception have been conducted. We have also presented in international conferences and published 15 COVID-19-related academic papers.

With a small dedicated staff team, the above accomplishments would not be possible without the incessant support from our honorary staff members, interns, key collaborators, local, national, and international strategic partners, as well as generous donors who were acknowledged in the Annex section of this report. Needless to say, the strongest backing and encouragement came from our parent institutions and their visionary leaders, including Professor Joseph Sung, Professor Andrew Hamilton,

Professor Rocky Tuan, Professor Louise Richardson, Mr Darren Nash, Professor Tai-fai Fok, Professor Sian Griffiths, Professor Peter Horby, Professor Chris Conlon, Professor Francis Chan, Professor Eng-kiong Yeoh, Professor Samuel Wong, Professor Isabella WY Poon and Professor Colin Graham. In 2021, we are also proud to share that our veterans and now academic staff members, Professor Kevin KC Hung and Professor Eliza YL Cheung, had won the Hong Kong Humanity Award and Spirit of Hong Kong Awards respectively. I am deeply grateful to all the CCOUC members and its extended networks, who have accompanied and undertaken our adventurous journey to build CCOUC throughout the past decade. Although the world has been turned upside down by the rapid and dynamic changes in global order and the COVID-19 pandemic, not only have these challenges not halted our progress, but rather fueled our momentum. At this moment while I am drafting this message and reminiscing our decade-long journey, once again, together with my team, I am in the midst of travelling in mainland China to pave the way for our post-COVID-19 academic and field ventures.

Our academic journey shall continue, rain or shine.



Professor Emily Ying Yang Chan

2021年, CCOUC迎来了成立十周年纪念。我怀着兴奋的心情,在这里向大家呈献我们在2017年8月至2021年9月这四年间的活动纪要。努力实现我们的学术使命,并扩大我们的全球学术网络和参与是我们过去四年工作的主要目标。得益于我们上级单位——香港中文大学医学院和牛津大学纳菲尔德医学院的大力支持,我们与哈佛大学陈曾熙公共卫生学院和香港大学李嘉诚医学院保持着紧密的学术合作伙伴关系。CCOUC也于2016年获得由联合国减灾署(UNDRR)和国际科学理事会(ISC)合办的国际灾害风险综合研究(IRDR)计划的认可,成为IRDR其中一所国际卓越中心(ICoEs)。CCOUC亦获任命为环球计划中国联络点,并持续协助世界卫生组织健康开发中心(世卫组织神户中心)协调灾害健康风险管理专题平台研究网络。CCOUC的成员和合作者还积极参与了世界卫生组织、世界气象组织、UNDRR和国际防灾减灾科学联盟(ANSO-DRR)的技术委员会。我们也投身于多个与灾害相关的国际政策平台,如联合国减少灾害风险全球平台大会、亚洲减少灾害风险科学技术会议、亚洲减少灾害风险部长级会议、亚太灾难医学会议,及第一届全球热健康论坛。四年来,我们研究工作的重点放在三个主题,即灾害健康风险管理;环境健康、气候变化和与天气相关的健康关联;以及全球健康和人道医学。我们在这些领域发表了80多篇论文,出版了7本专著和撰写多篇专著章节、技术报告、指南和手册。此外,CCOUC还与庆应义塾大学、新加坡国立大学、西安交通大学、埃克塞特大学、诺森比亚大学、澳门大学、中国疾病预

防控制中心和世界卫生组织建立了新的学术合作和研究网络。

在教育 and 学术发展方面,CCOUC设立学人计划和管理奖学金,以鼓励在灾害研究和实地研习方面满怀激情及表现卓越的学生。自2014年以来,CCOUC还开发了11门英语和2门中文大规模开放在线课程(MOOC)。截至2021年,这些课程已经累计开办了62期,并在全球范围内吸引了超过24,000名注册学生。我们的教学人员亦继续推动和提供从本科到博士后的课程和培训,这些课程和培训专注于与全球健康、灾害和实地工作领域相关的学术科目。而我们所付出的努力也为我们赢得了由香港中文大学颁发的中大博文教学奖(2018年)、香港大学教育资助委员会颁发的教委会教学奖(2018年)和2019年中国教育部颁发的国家教学成果奖(高等教育)。

实地调研和医疗人道主义行动依旧是本中心的主要活动内容。自2009年始,经过十年的相关研究、实地教学和社区服务,我们的旗舰项目——少数民族健康计划于2021年已惠及来自中国内地10个省市、17个少数民族累计18,000多名村民,为近700名学生、教职员和相关从业者提供培训。2017年至2021年间,我们的团队在中国内地的偏远地区和不丹、朝鲜民主主义人民共和国、缅甸和尼泊尔这四个亚洲国家敲定并设立了新的教研项目。2021年8月,虽然仍时值COVID-19大流行,但为了庆祝我们成立10周年和香港中文大学医学院成立40周年,CCOUC团队组织了2021年香港灾害健康风险管理项目,该项目面向居住在城市旧城区和岛屿社区的老年人,旨在建立社区健康抗灾力和应对极端事件的自救能力。

社区知识转移是CCOUC活动的另一关键支柱。自2014年以来,我们为香港中学教师提供专业发展课程,并向219所中学的381名教师和超过100,000名学生分发相关教学材料。我们关于气候变化和健康之间关系的研究成果也在香港中文大学赛马会气候变化博物馆永久展出。我们通过公开讲座、电台和电视访问、以及论坛等方式积极加强公众接触,同时还为消防和救护服务提供客座讲座,以及为政府官员提供应急培训。值得庆祝的是,我们于2019年成功完成了与香港医学专科学院香港赛马会灾难防护应变教研中心为期五年的学术合作。我们感谢李国栋医生、合作伙伴和香港赛马会灾难防护应变教研中心网络成员的支持和协助,确保完成CCOUC这一重要的发展里程碑。

自2020年初以来,全球一直面临着COVID-19大流行这一前所未有的突发公共卫生事件。CCOUC成员一直积极为全球科学进步和提出实用的前线解决方案作贡献,以减轻这场全球生物灾害所带来的痛苦,并减少其对健康的不利影响。作为CCOUC所长,我兼任世界卫生组织2019冠状病毒病病学科医学研

究专家小组的联席主席、世界卫生组织全球疫情警报和反应网络(GOARN)的技术联络人,以及世界气象组织严重急性呼吸综合征冠状病毒2/2019冠状病毒病专家小组成员。我也与我们CCOUC的技术人员一起参加了世界卫生组织关于COVID-19的全球研究和创新论坛,以及参加了在整个2020-2021年期间世界卫生组织关于COVID-19的各类特别咨询会,以参与世界卫生组织各种技术指导、技术报告和政策简报的开发,并协助开展中文科研文献的快速回顾工作。我们更与全球的合作伙伴一同开展了有关疫情期间的家居照顾、心理和行为反应,以及感知方面的研究项目。我们还在多个国际会议上作报告,并发表了15篇与COVID-19相关的学术论文。

尽管我们团队的成员都对工作孜孜不倦,但毕竟人员有限,上述所取得的成就离不开我们的荣誉成员、实习生、主要合作伙伴、本地、国内和国际策略伙伴机构,以及一众善长仁翁的鼎力支持。我们在本报告中以附录的形式鸣谢了他们的贡献。毋庸置疑,最强而有力的支持和鼓励来自我们所属的两所大学和他们极有远见的领袖,包括沈祖尧教授、Andrew Hamilton教授、段崇智教授、Louise Richardson教授、Darren Nash先生、霍泰辉教授、葛菲雪教授、Peter Horby教授、Chris Conlon教授、陈家亮教授、杨永强教授、黄仰山教授、潘伟贤教授和简家廉教授。此外,我也很自豪地与大家分享,CCOUC曾经的学员如今已成栋梁之才,洪矾正教授和张依励教授分别在2021年获得香港人道年奖和香港精神奖。我也深深感谢所有CCOUC成员及其更广阔的合作网络,他们在过去10年一直为我们打造CCOUC的冒险之旅保驾护航。尽管整个世界已因为全球秩序的快速动态变化和COVID-19大流行而发生翻天覆地的变化,但这些考验不仅没有阻碍我们前进的步伐,反而成为了我们发展的推动力。而在此奋笔疾书之际,我重温了这段长达10年的旅程,且又一次与我的团队一同踏上了中国内地的征途,为后COVID-19时代学术和实地研习的探索铺平道路。

吾等学术之旅必将延续,风雨无阻。

陈英凝教授





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香港中文大学校长赠言 Message from Vice Chancellor and President, CUHK

It is my great pleasure to congratulate CCOUC on their 10th anniversary and celebrate the achievements they have attained. In very successful collaboration with the University of Oxford since 2011, CCOUC has been epitomizing CUHK's effort in promoting internationalization, providing students with global learning exposure supported by a wide network of international partners. As a keen observer and supporter of CCOUC's cause of disaster medical humanitarian response in the past few years, I am amazed to see its activities weaving into a holistic whole in alignment with the seven key areas in 'CUHK 2025', the University's vision for the coming five years, namely education, student experience, research and innovation, global engagement, talent attraction and development, alumni engagement, and social responsibility and sustainable development.

I invite you to look into this record of CCOUC's accomplishments with purpose and responsibility of serving the interests of humanity through global engagement, international field projects, research, education and knowledge transfer in a constant attempt to seek excellence of both the heart and the mind, particularly amidst the difficult time and challenges of the global COVID-19 pandemic as well as climate change. On behalf of the university community, I look forward to the continued success of CCOUC both in the academic and humanitarian arenas in the years to come.

Professor Rocky Sung Chi Tuan

我很高兴在CCOUC成立十周年的大日子，为他们这些年来取得的成就送上祝贺。CCOUC是我们自2011年以来与牛津大学一个非常成功的合作项目，是中大推动国际化努力的缩影。在广泛的国际合作伙伴网络的支持下，CCOUC为学生提供了全球学习的机会。过去几年，我一直非常关注和支持CCOUC灾害医疗人道救援事业，喜见CCOUC的各项活动浑然成一体，充分展现《中大2025》这个大学未来五年的愿景中对七个重点范畴——教育、学生体验、研究和创新、全球视野、人才的吸纳和培养、凝聚校友，以及社会责任和可持续发展——所作出的承诺。

我衷心邀请大家细阅这本记录了CCOUC成就的册子，见证CCOUC通过全球参与、国际实地项目、研究、教育和知识转移，即使是在面对全球新冠肺炎疫情以及气候变化等严峻挑战的艰难时期，都依然从一而终地追求心灵和思想的卓越，实践为人类利益服务的宗旨和责任。我代表中大同仁，期待CCOUC在未来于学术和人道领域上继续取得骄人成就。

段崇智教授



牛津大学纳菲尔德医学院赠言 Message from Nuffield Department of Medicine, University of Oxford

The strong leadership and vision of The Chinese University of Hong Kong, through Professor Tuan, Vice-Chancellor and President, is epitomized by the leadership and work ethic of the whole of the CCOUC team and family, most ably led by the force of nature that is Professor Emily Chan. It has been an uplifting reminder to review the activity within this report. I would encourage everyone to not just read its content, but to actively take part in CCOUC activities.

The quality and diversity of output is astonishing; the platforms and knowledge bases that have been built and shared are invaluable; and the learning experiences offered have created rich and dynamic experiences for many future contributors to the field. It has been my pleasure over many years to review the prize nominations for CCOUC's Mrs. Catherine SW Chan-Kwok Prize in Humanitarian Field Work. The candidates for the prize are always inspiring.

The strategic plan of the CUHK is summarised as "Excellence with Purpose and Responsibility" - you need look no further than CCOUC to see this in action.



Mr Darren Nash

CCOUC团队这个大家庭的领导力和敬业精神，充分体现了香港中文大学和校长段教授的强大领导才能和远见，而带领这个团队不断追求卓越的陈英凝教授，是一位精力充沛的扬眉女子。回顾本报告中的活动，再次认识CCOUC的工作，是一件令人振奋的事。我鼓励大家不仅要阅读报告的内容，更要积极参与CCOUC的活动。

CCOUC的工作成果无论在质量和多样性方面均令人惊讶；已建立和共享的平台和知识库非常有价值；所提供的学习经验为该领域众多未来的贡献者创造了丰富而充满活力的体验。多年来，我很高兴参与CCOUC的陈郭淑云人道救援考察奖的评审工作，该奖项的候选人总是鼓舞人心。

中大的策略计划2021-2025被概括为“力臻卓越，任重志远”——只需看看CCOUC的工作即可见证这精神的具体实践。

Darren Nash 先生



国际合作
International Engagement

1

全球机构平台 Global Institutional Platform

WHO THEMATIC PLATFORM FOR HEALTH EMERGENCY AND DISASTER RISK MANAGEMENT (HEALTH-EDRM) RESEARCH NETWORK

Prof Emily YY Chan has continued her role as the Co-Chairperson of the research network established with stakeholders from governmental and academic institutions and organisation. The global multidisciplinary platform facilitates information exchange, sharing views, and Health-EDRM research and evidence-based activities to advise the WHO. Three meetings were held in Hong Kong (July 2018), Kobe (October 2018), and Geneva (November 2018) to discuss the research agenda and develop future partnerships.

Research Summit on Health-related Emergency and Disaster Risk Management (9-10 July 2018)

Supported by the CUHK Research Summit Series and the Mok Hing Yiu Charitable Foundation, CCOUC organised this international research summit to bring together senior and young researchers, early-career faculty members, and practitioners to share knowledge and experience in collaborative efforts to promote Health-EDRM research activities and practices.

Dr Ryoma Kayano from WHO as Visiting Academic Scholar at CUHK (April 2019 & May 2021)

Dr. Ryoma Kayano, Technical Officer of World Health Organization Centre for Health Development in Kobe of Japan (WHO Kobe Centre), had attached to CCOUC as a visiting fellow for a month in April 2019 to strengthen mutual understanding and collaboration between the two institutions. Besides various meetings to discuss research collaborations, he gave an in-house presentation to CCOUC members on 10 April 2019 to introduce the works of WHO Kobe Centre. He attached to CCOUC again as visiting scholar in May 2021 virtually to deepen the collaboration.

2nd Core Group Meeting of the WHO Thematic Platform for Health Emergency and Disaster Risk Management Research Network (27 November 2020, Zoom)

The meeting highlighted the newly published WHO Guidance on Research Methods for Health EDRM, the WHO Health EDRM Knowledge Hub and the WHO Health EDRM Research Agenda. Prof Emily YY Chan delivered a presentation entitled "Research Agenda and Strategy" in the meeting. More than 30 experts from WHO headquarters, WHO regional offices and partners attended the meeting to exchange ideas.

世卫组织灾害健康风险管理专题平台 研究网络

陈英凝教授继续担任研究网络的联席主席，该网络由政府、学术机构和组织持份者组成。这全球多学科平台促进了信息流通、观点交流以及灾害健康风险管理研究和活动，以向世卫组织提供建议。2018年在香港(7月)、神户(10月)和日内瓦(11月)举行了三场会议，讨论研究议程并建立未来合作伙伴关系。

与健康有关的突发事件和灾害风险管理研究峰会

(2018年7月9日至10日)

在香港中文大学研究峰会和莫庆尧慈善基金会的支持下，CCOUC举办这次国际研究峰会，汇集资深和初级研究人员、新晋教职员和从业员分享知识和经验，共同促进灾害健康风险管理研究活动和实践。

来自世界卫生组织的茅野龙马医生担任中大访问学者

(2019年4月及2021年5月)

日本神户世界卫生组织健康开发中心(世卫组织神户中心)的茅野龙马医生于2019年4月，在CCOUC担任了一个月的访问学人，加强两个机构之间的了解和合作。除了参与多次讨论研究合作的会议外，他还在2019年4月10日的CCOUC内部研讨会中，向研究所成员介绍世卫组织神户中心的工作。2021年5月，他再通过互联网担任CCOUC访问学者，进一步加强合作关系。

世界卫生组织灾害健康风险管理专题平台研究网络第二次核心小组会议 (2020年11月27日, Zoom)

会议讨论了新发布的世界卫生组织灾害健康风险管理研究方法指南，世界卫生组织灾害健康风险管理知识枢纽和世界卫生组织灾害健康风险管理研究议程。陈英凝教授在会上发表了题为“研究议程和策略”的演讲。来自世卫组织总部、世卫组织区域办事处和合作伙伴的30多名专家在会议上交流了意见。





**INTERNATIONAL CENTRE OF EXCELLENCE,
INTEGRATED RESEARCH ON DISASTER RISK
(IRDR ICoE)**

IRDR is a joint international research programme co-sponsored by the International Science Council (ISC) and the United Nations Office for Disaster Risk Reduction (UNDRR). It aims to deal with the challenges brought about by natural hazards, mitigate their impacts, and improve related policy-making practices. Under this platform as an International Centre of Excellence of IRDR, CCOUC submitted a working paper "Building bottom-up Health Emergency and Disaster Management (Health-EDRM) programs in disaster prone and resource deficit context", which was presented in the 19th Scientific Committee Meeting of IRDR in Beijing.

**Advanced Institute on DRR with System Approach
for Slow-Onset Climate Disasters (AI-SOCD)
Workshop
(7 June 2018, Taipei)**

Prof Emily YY Chan was invited by the ICoE-Taipei to deliver a lecture on "Scientific Evidence to Support Heat-Health Warning System Development and Health Risk Communication in Temperature Extreme Events: The Case of Hong Kong" in the workshop hosted by the Center for Sustainability Science, Academia Sinica.

**IRDR 19th – 22th Scientific Committee Meetings
(15-16 April & 15-17 October 2018, Beijing
& Chengdu, China; 14 May 2019, Geneva,
Switzerland; 8-10 October 2019, Xiamen, China)**

Ms Gloria KW Chan and Mr Kevin Sida Liu attended the 19th meeting to consolidate the IRDR Strategic Plan of Action 2018-2020, which also allowed the IRDR community to discuss how to enable a broader, more interactive, and crosscutting network for scientific publications and capacity building. Ms Gloria KW Chan and Ms Asta YT Man attended the 20th meeting to present CCOUC's latest research activities to other IRDR ICoEs, National Committees, and working groups. Ms Gloria KW Chan and Ms Asta YT Man attended the 21st meeting at the Norwegian Refugee Council, Geneva. The meeting was held to introduce the new Science Committee Chair, Prof John Handmer, present progress reports of the International Programme Office (IPO) and the working groups, along with discussion of future action points of IRDR. Ms Gloria KW Chan attended the 22nd meeting via Zoom.

**IRDR 23 – 25 Scientific Committee Meetings
(16 June & 10 November 2020, 30 March 2021,
Zoom)**

Prof Emily YY Chan, Mr Chi Shing Wong and Mr Sida Liu participated in the 23rd Scientific Committee Meeting of the IRDR. The overall objective of this special online session of Scientific Committee Meeting is to oversight IRDR main tasks for 2020 and guide the implementation, taking into account the context of COVID-19 and the new time frame of IRDR, which has been extended to the end of 2021. Prof Kevin KC Hung and Mr Chi Shing Wong participated in the 24th and 25th meetings via Zoom.

**IRDR China Committee Annual Meeting
(11 January 2021, Beijing, China, VooV)**

Mr C S Wong and Mr Zhe Huang joined the IRDR China Committee annual meeting, which provided an opportunity to update the IRDR China Committee on the works and achievements of the Committee and its various working groups in 2020 and discuss the development targets and work plan in 2021, including the IRDR Compilation 2010-2020 and the new Global DRR Research Agenda for 2030.

**IRDR 2021 International Conference: Advancing
Risk Science for Development Safety: 10 Years of
IRDR: Building a New Risk Research Agenda for
2030 and Beyond**

(9 June 2021, Beijing, China, Zoom)

Prof Emily YY Chan was an invited presenter to give a talk on "Latest frontier and application of Health-EDRM within the scope of COVID-19".



灾害风险综合研究计划国际卓越中心 (IRDR ICoE)

IRDR是国际科学理事会和联合国国际减灾署共同发起的一项联合国际研究计划，旨在应对自然灾害带来的挑战，减轻其影响，并改善相关的政策制订方法。在IRDR这个平台下作为其中一所国际卓越中心，CCOUC提交了“在受灾和资源短缺的情况下由下而上建立灾害健康风险管理计划”的工作论文，该论文也在北京IRDR第19届科学委员会会议上发表。

以系统取径减少缓发气候灾害风险高等研究所工作坊 (2018年6月7日，台北)

陈英凝教授获台北国际卓越中心邀请，在中央研究院可持续发展科学中心举办的工作坊“支持发展热健康预警系统和在极端温度事件中健康风险交流的科证：香港的案例”演讲。

IRDR第19至22次科学委员会会议 (2018年4月15至16日及10月15至17日，中国北京及成都；2019年5月14日，瑞士日内瓦；2019年10月8至10日，中国厦门)

陈广慧女士和刘思达先生出席了第19次会议，以巩固IRDR 2018-2020年计划，这也使IRDR社区讨论了如何为科学出版和能力建设提供更广泛、更具互动性和更跨领域的网络。陈广慧女士和文易淘小姐出席了第20次会议，向其它IRDR ICoEs、全国委员会和工作组介绍了CCOUC最新研究活动。陈广慧女士和文易淘小姐在日内瓦挪威难民理事会参加了第21次会议，该会议介绍了新科学委员会主席John Handmer教授，发表了IRDR国际项目办公室和各工作组的工作进度报告，并讨论了IRDR的未来行动重点。陈广慧女士通过Zoom出席了第22次会议。

IRDR第23至25次科学委员会会议 (2020年6月16日及11月10日，2021年3月30日，Zoom)

陈英凝教授、黄智诚先生和刘思达先生参加了IRDR第23次科学委员会会议。此次科学委员会会议特别在线会议的总体目标是监督IRDR 2020年的主要任务并指导实施工作，当中考虑了2019冠状病毒病(COVID-19)这个背景和IRDR的新时间框架(已延长至2021年底)。洪矾正教授和黄智诚先生通过Zoom出席了第24和25次会议。

IRDR中国委员会2020年度工作会议 (2021年1月11日，中国北京，腾讯会议)

黄智诚先生和黄喆先生参加了IRDR中国委员会2020年度工作会议。是次会议为IRDR中国委员会汇报这个IRDR国家委员会及其各个工作组2020年度的工作和成果，并讨论2021年度重点工作和未来发展计划，包括IRDR十年汇编及面向2030全球减灾研究新议程的准备工作。

IRDR 2021 国际会议：为发展安全推进风险科学：IRDR 10年：构建2030年及以后的新风险研究议程 (2021年6月9日，中国北京，Zoom)

陈英凝教授应邀就“COVID-19中灾害健康风险管理的最新前沿和应用”发表演讲。





SPHERE COUNTRY FOCAL POINT

Appointed as the Sphere Focal Point in China in 2014 to promote the internationally recognised minimum standards in humanitarian response, CCOUC had organised face to face Sphere training (lectures to undergraduate and postgraduate students at CUHK and presentations in Xian Jiaotong University and Yunnan Provincial Center for Disease Control and Prevention) as well as a Chinese online course on the XuetangX platform. CCOUC had also assisted in the development and translation of the health section in the Sphere Handbook's 5th edition.

Global Sphere Focal Points Forum (7-9 November 2017, Bangkok, Thailand)

Ms Carol KP Wong participated in the forum along with 20 other Sphere focal points to discuss employing the Standards in various contexts and trainings, and ways to strengthen the Sphere network. The drafts of the Handbook's 5th edition were also discussed.

Launching Ceremony of Chinese Edition of Sphere Handbook 2018 and Sphere Focal Points' Meeting (8-9 December 2019, Beijing, China)

Mr Chi Shing Wong and Mr Zhe Huang participated in the discussion forum between the newly appointed Sphere CEO Dr Balwant Singh and Sphere Focal Points, and the Seminar of International Standards in Disaster Response & Launching Ceremony of the Chinese Translation of Sphere Handbook, sharing CCOUC's work in promoting the Sphere standards in China, including CCOUC's collaborations with national and provincial Centers for Disease Control and Prevention in China and its forthcoming Chinese-language online course on Sphere standards on the Xuetangx international Chinese online learning platform led by Tsinghua University.

Sphere Global Focal Points Biennial Meeting (26 May 2020, Zoom)

Mr Chi Shing Wong and Mr Zhe Huang participated in the Sphere Global Focal Points Meeting.

Sphere Webinar: From Ebola to COVID-19: Lessons Learned from the DRC (23 September 2020, Zoom)

Mr Chi Shing Wong participated in the Sphere Webinar, which is part of a series of webinars organized by Sphere to share good practice and technical guidance on humanitarian standards in the COVID-19 response. It explored how local community members and humanitarian actors in the Democratic Republic of the Congo (DRC) were using best practices developed during the Ebola crisis to fight the current COVID-19 pandemic.

环球计划联络点

2014年，CCOUC获委任为环球计划中国联络点，提倡人道救援的最低国际标准和原则。CCOUC进行了面对面的环球计划培训(在香港中文大学为本科生和研究生授课，并在西安交通大学和云南省疾病控制和预防中心举行讲座)，以及开发在学堂在线平台上的中文在线课程。CCOUC还协助了环球计划手册第五版中“健康”部分的开发和翻译。

环球计划联络点论坛 (2017年11月7日至9日，泰国曼谷)

黄嘉宝女士与环球计划其它20个联络点参加了论坛，讨论在各种情况和培训下采用环球计划标准，及加强环球计划网络的方法，并讨论了环球计划手册第五版的草稿。

环球计划2018年中文版发布会及 环球计划联络点会议 (2019年12月8日至9日，中国北京)

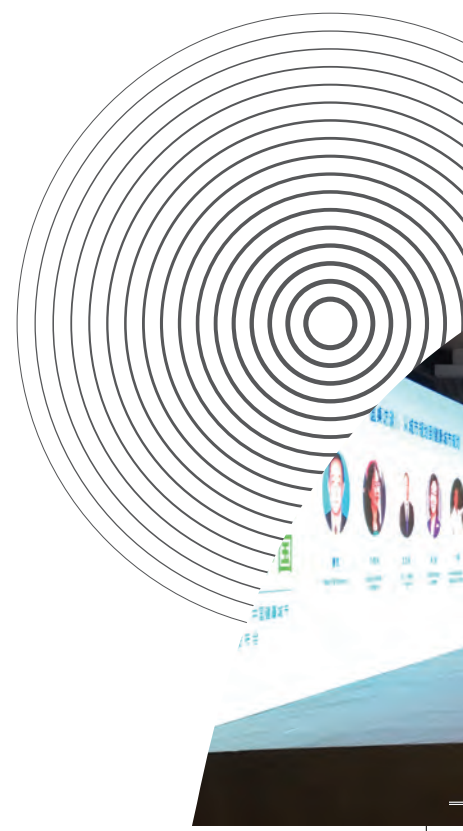
黄智诚先生和黄喆先生参加了新任命的环球计划执行总裁Balwant Singh医生与各环球计划联络点之间的讨论会，以及国际救灾标准研讨会暨环球计划2018年中文版发布活动，分享了CCOUC在中国推广环球计划标准的工作，包括CCOUC与中国国家和省级疾病预防控制中心的合作，以及即将在清华大学牵头的学堂在线国际中文线上学习平台上推出的环球计划标准中文线上课程。

环球计划组织全球联络点双年会议 (2020年5月26日，Zoom)

黄智诚先生和黄喆先生通过Zoom参加了环球计划组织全球联络点会议。

环球计划网络研讨会：从埃博拉病毒病到2019冠状病毒病：从刚果民主共和国汲取的教训 (2020年9月23日，Zoom)

黄智诚先生参加是次环球计划网络研讨会，这是环球计划组织的一系列网络研讨会之一，以分享在COVID-19应对中良好的实践做法和人道主义标准的技术指引。研讨会探讨了刚果民主共和国(DRC)当地社区成员和人道主义工作者如何利用埃博拉危机期间开发的最佳实践做法来应对当前的COVID-19大流行。



UNDRR ASIA PACIFIC SCIENCE TECHNOLOGY AND ACADEMIA ADVISORY GROUP (APSTAAG)

联合国减灾署亚太科学技术及学术顾问小组(UNDRR APSTAAG)

Prof Emily YY Chan has been an advisory member that provides policy advisory services to governments and other stakeholders to strengthen, enhance, and advocate science-based decision making for disaster risk reduction.

陈英凝教授作为顾问成员，向政府和其他持份者提供政策咨询服务，加强、推动和倡议以科学为本的减少灾害风险决策。

6th UNDRR APSTAAG Meeting (18 April 2018, Beijing, China)

Prof Emily YY Chan and CCOUC members attended the meeting with the aim to review the progress and achievements of committee members' projects. Agreements include exploring the expansion of APSTAAG membership, developing working groups, and establishing an online knowledge platform to monitor the progress and to share data and research findings.

UNDRR APSTAAG第六次会议 (2018年4月18日，中国北京)

陈英凝教授和CCOUC成员参加是次旨在审核委员会成员项目进度和成果的会议。大会同意考虑扩大APSTAAG的成员范围，建立工作组以及设立一个在线知识平台来监察进度及共享数据和研究成果。

Working Group Meeting on Natech Risk in Asia Pacific (9 November 2019, Sendai, Japan)

Mr Chi Shing Wong presented a case study on 2018 Typhoon Mangkhut in Hong Kong in the Working Group Meeting on Natech Risk in Asia Pacific of APSTAAG at Tohoku University via teleconferencing.

亚太地区自然灾害的次生危害风险工作组会议

(2019年11月9日，日本仙台)
黄智诚先生通过视像会议方式在日本东北大学亚太地区自然灾害的次生危害风险工作组的会议中以2018年香港山竹台风的个案研究作口头报告。

2020 Asia Pacific Science and Technology Conference on Disaster Risk Reduction (15 October 2020, Kuala Lumpur, Malaysia, Zoom)

Prof Emily YY Chan, Mr Chi Shing Wong and Mr Zhe Huang participated in the conference via Zoom and Prof Chan presented on "COVID-19, Disaster Risk Reduction and Science & Technology Agenda".

2020减少灾害风险亚太科学技术会议(2020年10月15日，马来西亚吉隆坡，Zoom)

陈英凝教授、黄智诚先生和黄喆先生透过Zoom参加会议，陈教授发表题为“2019冠状病毒病、减少灾害风险和科学技术议程”的演讲。

APSTAAG Conference on Disaster Risk Reduction (26 February 2021, Bangkok, Thailand, Zoom)

Prof Emily YY Chan and other global experts from APSTAAG convened to provide an update on activities and projects undertaken by the group during 2020 and formulate key research priorities for 2021. This conference also served to prepare the group for the UNDRR Global Platform for Disaster Risk Reduction to be held in Indonesia in 2022.

APSTAAG减少灾害风险会议 (2021年2月26日，泰国曼谷，Zoom)

陈英凝教授和APSTAAG的其他全球专家召开会议，回顾了该顾问团在2020年的活动和项目，并制订了2021年的研究重点。此次会议还为顾问团参与2022年在印度尼西亚举办的联合国减灾署全球减少灾害风险平台会议作准备。





ALLIANCE OF INTERNATIONAL SCIENCE ORGANIZATIONS ON DISASTER RISK REDUCTION (ANSO-DRR)

ANSO-DRR was launched in May 2019, with the collaborative efforts of Institute of Mountain Hazards and Environment (IMHE), Chinese Academy of Sciences, Sichuan University, Integrated Research on Disaster Risk (IRDR), International Centre for Integrated Mountain Development (ICIMOD) and other institutions and universities from countries including China, Italy, Belgium, Nepal, Pakistan, Sri Lanka, etc. It was formally recognized as one of thematic alliances under the umbrella of Alliance of International Science Organizations (ANSO) on 10 December 2019. ANSO-DRR aims to enhance education, young scientists training, and international communication and to provide scientific instructions on natural disaster prevention, major infrastructure construction and socioeconomic development by collaboration among global scientists and organizations.

Urban Safety and the Belt and Road Disaster Medical Rescue International Forum (23-24 September 2017, Shanghai, China)

Dr Tony Yung and Dr Chunlan Guo presented two papers: "Prevalence of Diarrheal Diseases and Knowledge about Oral Rehydration Salt (ORS) among Bhutanese Families: A Health Emergency Disaster Risk Management (H-EDRM) Strategy" and "Risk Perception and Knowledge of Fire Emergency Response in Urban Public Transportation System: A Cross-sectional Study in Hong Kong" in the 2017 Academic Annual Meeting & Urban Safety and the Belt and Road Disaster Medical Rescue International Forum of Chinese Society of Disaster Medicine, Chinese Medical Association.

The Belt and Road Initiative Global Health International Congress (24-27 September 2017, Xi'an, China)

Dr. Tony Yung and Ms. Carol Wong presented two papers "Food security and food safety in Dong-ethnicity villages in Guangxi Province of China" and "Is the Age-friendly Cities Guide (WHO, 2007) applicable to rural communities in China?" in The Belt and Road Initiative Global Health International Congress and 2017 Chinese Preventive Medicine Association – Chinese Society on Global Health Annual Meeting.

2nd Discussion Meeting (Webinar) for Alliance of International Science Organizations on Disaster Risk Reduction (ANSO-DRR) (18 May 2020, Zoom)

Prof Chan was endorsed as one of the 13 founding members of the ANSO-DRR International Steering Committee in the meeting.

ANSO International Symposium– Lessons from and Insights on COVID-19 (28 September 2020, Zoom)

CCOUC participated in the symposium organized by ANSO and Institut Pasteur of Shanghai, Chinese Academy of Sciences (IPS CAS).

1st ANSO-DRR Steering Committee Meeting (12 January 2021, Chengdu, China, Zoom)

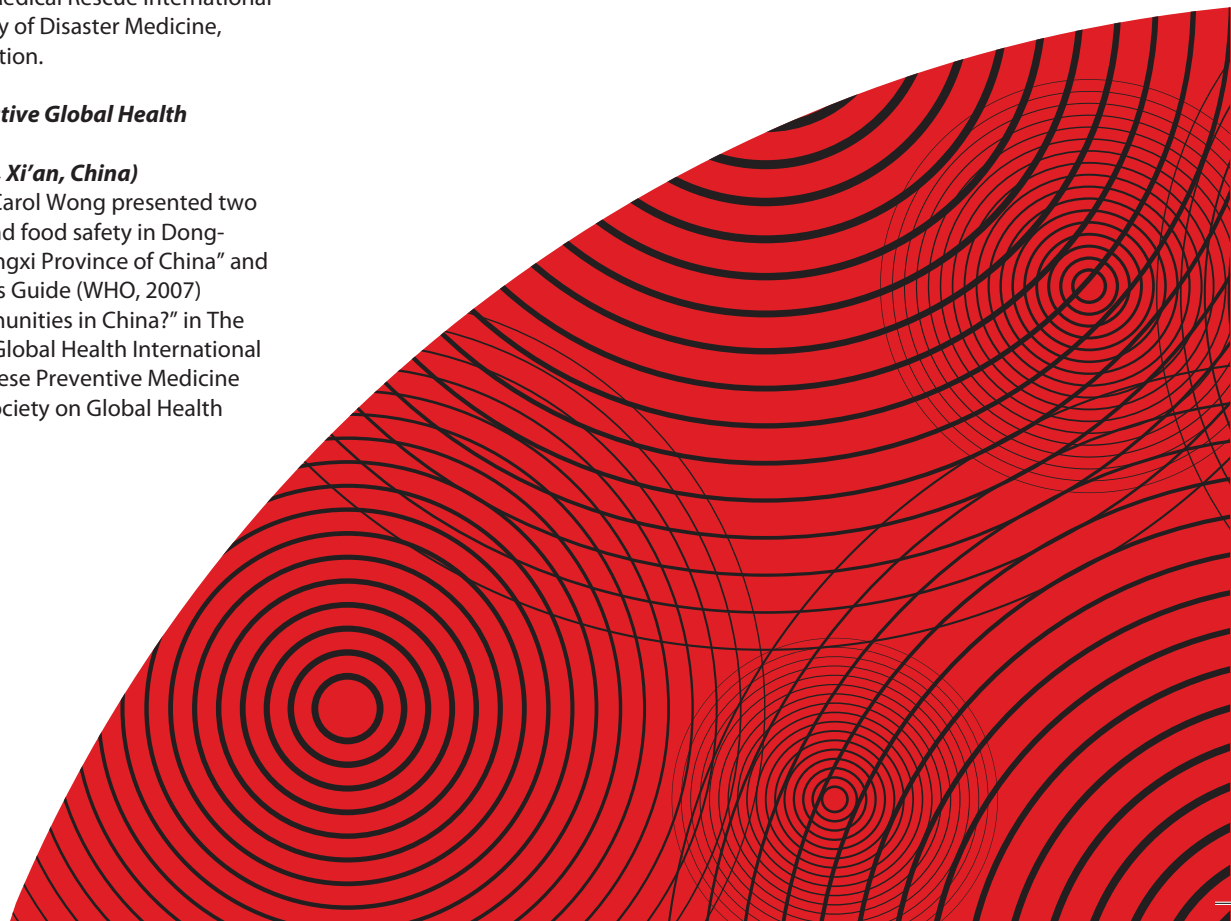
Prof Emily YY Chan and Mr C S Wong attended the 1st ANSO-DRR Steering Committee meeting. Prof Chan delivered a presentation entitled "Intersection of natural hazards and health-emergency management: What specific roles can ANSO-DRR play?"

国际防灾减灾科学联盟(ANSO-DRR)

在成都山地灾害与环境研究所、中国科学院、四川大学、灾害风险综合研究计划(IRDR)、国际山地综合发展中心(ICIMOD)以及来自中国、意大利、比利时、尼泊尔、巴基斯坦、斯里兰卡等国的机构和大学共同努力下，ANSO-DRR于2019年5月启动，并于2019年12月10日被正式接纳“一带一路”国际科学组织联盟(ANSO)框架下的专题联盟之一。ANSO-DRR旨在加强教育、青年科学家培训和国际交流，并通过全球科学家和组织之间的合作，就预防自然灾害、重大基础设施建设和社会经济发展提供科学指导。

2017国际城市安全与“一带一路”灾难医学救援高峰论坛 (2017年9月23至24日，中国上海)

翁家俊博士和郭春兰博士在中华医学会灾难医学分会2017年学术年会暨国际城市安全与“一带一路”灾难医学救援高峰论坛上发表了两篇口头报告，分别为“不丹家庭的腹泻疾病及口服补盐液应用研究：灾害健康风险管理策略”和“城市公共交通系统的火灾风险感知和认识：一项香港的横断面研究”。



**“一带一路”全球健康国际研讨会
(2017年9月24至27日，中国西安)**

翁家俊博士及黄嘉宝女士在“一带一路”全球健康国际研讨会暨2017中华预防医学会全球卫生分会学术年会上发表了两篇口头报告，分别为“中国广西侗族农村粮食安全与食品卫生状况”及“全球老年友好城市建设指南(世卫组织，2007)能适用于中国农村吗？”。

**ANSO-DRR第二次讨论会议
(2020年5月18日，Zoom)**

陈英凝教授在会议上获确认为ANSO-DRR盟跨学科国际督导委员会的13名创始委员之一。

**ANSO国际研讨会-2019年冠状病毒病的经验教训和洞见
(2020年9月28日，Zoom)**

CCOUC参与了由ANSO和中国科学院上海巴斯德研究所合办的国际研讨会。

**ANSO-DRR指导委员会第一次会议
(2021年1月12日，中国成都，Zoom)**

陈英凝教授和黄智诚先生参加了ANSO-DRR指导委员会第一次会议。陈教授发表了题为“自然灾害与健康应急管理的交汇：ANSO-DRR可以发挥哪些特定作用？”的口头报告。

ASIA PACIFIC DISASTER MENTAL HEALTH NETWORK

Together with experts from Australia, Japan, Nepal, Sri Lanka and the United States, Prof Emily YY Chan became a founding member of the Asia Pacific Disaster Mental Health Network in June 2020. The network aims to advance research, policy and translation of evidence so that communities are better supported in preparation and response to disasters, pandemics and mass trauma.

**Asia Pacific Disaster Mental Health Network Meeting
(14 October 2020, Zoom)**

Prof Emily YY Chan delivered a presentation “WHO COVID-19 Global Research & Development: Social Sciences”.

**Asia Pacific Disaster Mental Health Network Webinar Series: Psychological Recovery and Support following Disasters
(22 July 2021, Zoom)**

CCOUC participated in the webinar.

亚太灾害精神健康网络

陈英凝教授于2020年6月与来自澳大利亚、日本、尼泊尔、斯里兰卡和美国的专家一起，成为亚太灾害精神健康网络的创始成员。该网络旨在推进研究、政策和把证据转化为应用，以便更好地支持社区准备和应对灾害、流行病和大规模创伤事件。

**亚太灾害精神健康网络会议
(2020年10月14日，Zoom)**

陈英凝教授作题为“世界卫生组织2019冠状病毒病全球研究与发展：社会科学”的演讲。

**亚太灾害精神健康网络网上研讨会系列:灾后心理复原和支援
(2021年7月22日，Zoom)**

CCOUC参与了是次网上研讨会。





Global Policy Platform

International Conference on Climate Change and Health System (16 November 2017, Tehran, Iran)

Prof Emily YY Chan was invited by Kerman University of Medical Sciences to deliver a presentation on "Policy Implication of Health Impacts of Climate Change in Hong Kong" at the International Conference on Climate Change and Health System, hosted by National Institute of Health Research, Ministry of Health and Medical Education and Kerman University of Medical Sciences aiming to mount a call to action to address the health challenge posed by climate change.

World Bosai Forum - IDRC 2017 (25-28 November 2017, Sendai, Japan)

Dr Holly Lam delivered a paper entitled "Health-Emergency and Disaster Risk Management (H-EDRM): Socio-Demographic Predictors and Patterns of Personal Health Protection Behaviors Against Cold Waves in a Subtropical Urban City: A 2-Year Cohort Telephone Survey Study" in The World Bosai Forum - International Disaster and Risk Conference 2017.

2nd Asian Science and Technology Conference for Disaster Risk Reduction (17-18 April 2018, Beijing, China)

Prof Emily YY Chan was invited to deliver a presentation titled "Understanding Disaster Risk and DRR Actions at Ethnic Minority Communities" and participated in a panel discussion.

全球政策平台

气候变化与卫生系统国际会议 (2017年11月16日，伊朗德黑兰)

陈英凝教授应伊朗克尔曼医科大学的邀请，在气候变化与卫生系统国际会议上发表题为“气候变化对健康影响在香港的政策含义”的演讲。是次会议由伊朗国家健康研究所、卫生和医学教育部及克尔曼医科大学主办，旨在呼吁各界采取行动，应对气候变化带来的健康挑战。

世界防灾会议2017 (2017年11月25至28日，日本仙台)

林靖宇博士在世界防灾会议2017的大会上发表了一篇报告“灾害健康风险管理:亚热带城市寒冷天气中的个人健康防护行为及相关的社会人口特征：一项两年的队列电话调查研究”。

第二届亚洲减少灾害风险科学技术会议 (2018年4月17至18日，中国北京)

陈英凝教授应邀作“了解少数民族社区灾害风险和减少灾害风险行动”演讲，并参加了小组讨论。



**Asian Ministerial Conference for Disaster Risk Reduction (AMCDRR)
(3-8 July, 2018, Ulaanbaatar, Mongolia)**

Ms Gloria KW Chan and Ms Carol KP Wong attended the conference and CCOUC organised a side-event on "Science to Inform Policy in Health-EDRM", where Ms Chan gave a presentation on "Multi-stakeholder Partnership in Health-EDRM".

**HIWeather Workshop
(20-22 November 2018, Beijing, China)**

Dr Holly Lam participated in the High impact Weather Project (HIWeather) workshop— Increasing the Value of Weather-related Warnings. The HIWeather is a 10-year research project founded by the World Meteorological Organization (WMO) in 2016 to build resilience to weather-related hazards through better preparedness. Dr Lam was one of the panelists for the discussions on urban health hazards and took part in a breakout session discussing the issues about sharing of research data from the perspective of the public health sector.

**14th Asia Pacific Conference on Disaster Medicine (APCDM)
(16-18 October 2018, Kobe, Japan)**

Prof Emily YY Chan and Mr Cheuk Pong Chiu gave a keynote speech on "What is the Known and Unknown, and Required for Health-EDRM Research" and attended a symposium entitled "WKC Forum: Global Action for Scientific Evidence Improvement in Health Emergency and Disaster Risk Management— Expected Contribution from Asia and Pacific Region". Prof Chan also co-chaired two panel discussions on "Post-disaster Health Support System and Data Management System in Japan" and "Post-disaster Psychosocial Management and Research Activity", and was the lead discussant in the group discussion on "disaster response and disaster risk literacy".

**亚洲减少灾害风险部长级会议
(2018年7月3日至8日, 蒙古乌兰巴托)**

陈广慧女士和黄嘉宝女士参加了会议, CCOUC亦组织了一场关于“以科学为灾害健康风险管理政策提供资讯”的场外活动, 陈女士在活动中作了关于“灾害健康风险管理中的多方持份者伙伴关系”的演讲。

**高影响天气项目工作坊
(2018年11月20日至22日, 中国北京)**

林靖宇博士参加了高影响天气项目提升天气预警的价值工作坊。高影响天气项目是由世界气象组织于2016年成立的一项为期10年的研究项目, 旨在通过更好的准备来增强对与天气有关的灾害的抵御能力。林博士是城市健康危害讨论小组成员之一, 并参加了一个分组会议, 从公共卫生角度讨论分享研究数据的议题。

**第十四届亚太灾难医学会议
(2018年10月16日至18日, 日本神户)**

陈英凝教授和赵卓邦先生作了“灾害健康风险管理研究的已知、未知和必需”主题演讲并参加了题为“世界卫生组织神户中心论坛: 改善灾害健康风险管理科学证据的全球行动——亚太地区的预期贡献”专题讨论会。陈教授还共同主持了关于“日本的灾后卫生支持系统和数据管理系统”和“灾后社会心理管理与研究活动”两个小组讨论, 并且是“灾后应对与灾害风险素养”小组讨论的主讨论者。





**Global Platform for Disaster Risk Reduction 2019 (GP2019), UNDRR
(13-17 May 2019, Geneva, Switzerland)**

Four CCOUC members attended the Sixth Session of the GPDRR "Resilience Dividend: Towards Sustainable and Inclusive Societies" and a pre-event meeting. Prof Emily YY Chan was the moderator for the panel discussion on "Health in All Disasters and Risk Management Strategies". Mr Cheuk Pong Chiu gave an Ignite Stage presentation on "Leaving No One Behind: Online Sign Language Course for First Responders and Public in Health Emergencies", while Ms Gloria KW Chan talked about "Protecting Health from Emergencies and Disasters".

**1st Global Heat Health Forum
(17-20 December 2018, Hong Kong, China)**

CCOUC participated in this forum's Hong Kong organising team along with the Global Heat Health Information Network (GHHIN), an independent forum of scientists, professionals, and policymakers, focusing on enhancing the local and global education for heat health resilience-building. Prof Emily YY Chan gave a keynote speech on "Heat-related Health Impacts in Subtropical Cities: Global Overview and Research Frontier in Hong Kong". Ms Gloria KW Chan delivered an oral presentation regarding the "Regional Perspectives of Heat Action and Innovation" while Dr Holly CY Lam gave an oral presentation on "Personal Heat Protective Measures during the 2017 Heatwave in Hong Kong: A Telephone Survey Study". CCOUC also delivered two poster presentations on heat-related protective measures and allergy symptoms.

**联合国减灾署减少灾害风险全球平台大会2019
(GP2019)**

(2019年5月13至17日，瑞士日内瓦)

CCOUC四名成员参加了GPDRR第六次会议“抗灾力的红利：迈向可持续和包容性社会”和会前会议。陈英凝教授主持了“所有灾害与风险管理策略中的健康元素”小组讨论。赵卓邦先生在“点燃讲台”环节作了口头报告，题为“一个都不能少：为突发公共卫生事件的应急人员和公众提供在线手语课程”，而陈广慧女士则就“在突发事件和灾难中保障健康”作演讲。

第一届全球热健康论坛

(2018年12月17至20日，中国香港)

CCOUC与全球热健康信息网络参加了该论坛的香港筹组团队，该独立论坛由科学家、专业人士和政策制订者组成，致力于加强本地和全球的建设热健康抗灾力教育。陈英凝教授作了“亚热带城市与热有关的健康影响：全球概况和香港的研究前沿”的主题演讲。陈广慧女士发表了关于“热行动和创新的区域视角”的口头报告，林靖宇博士就“2017年香港热浪期间的个人防热措施：一项电话调查研究”作了口头报告。CCOUC还就热相关的防护措施和过敏症状发表了两份海报报告。



Belt and Road Initiative: International Conference on Silk-Road Disaster Risk Reduction and Sustainable Development (11-12 May 2019, Beijing, China)

CCOUC team attended the International Conference on Silk-Road Disaster Risk Reduction and Sustainable Development with the theme "Towards Safe, Green, and Resilient Silk Roads" co-hosted by the Chinese Academy of Sciences (CAS), China Association for Science and Technology and United Nations Environment Programme (UNEP), the United Nations Office for Disaster Risk Reduction (UNDRR), and the Alliance of International Science Organizations (ANSO) in Beijing on 11-12 May 2019, as part of the CAS's international research programme for disaster risk reduction along the Silk Roads, Silk-roads Disaster Risk Reduction (SiDRR). International experts of public health, bioethics, climate change and disaster risk reduction were brought together for the solutions to build those sustainable and disaster-resilient communities along the Silk Roads. CCOUC organised a session on Health Emergency and Disaster Risk Management (Health-EDRM) on 11 May 2019 to highlight the importance of promoting scientific advancement in disaster risk reduction under the Sendai Framework and health as a critical component of reducing disaster risks at the individual and community levels.

International Symposium on Green Development and Integrated Risk Governance (IRG-GD2019): Review of Global Disaster Risk Reduction Activities

(13 October 2019, Shenzhen, China)

Prof Emily YY Chan gave an oral presentation entitled "The case of 'Health': Health-Emergency Disaster Risk Management (health-EDRM)" at the symposium.

“一带一路”防灾减灾与可持续发展国际学术大会 (2019年5月11至12日，中国北京)

CCOUC团队参加了于2019年5月11至12日在北京举行、主题为“携手共建丝路安全、绿色、可持续发展的丝路”的国际会议，是次会议由中国科学院、中国科学技术协会、联合国环境署、联合国减灾署、“一带一路”国际科学组织联盟共同主办，是中国科学院“一带一路”防灾减灾国际研究计划的一部分，汇集了公共卫生、生物伦理、气候变化和减少灾害风险的国际专家，共同制订解决方案，以在“一带一路”沿线建设可持续和具抗灾力的社区。CCOUC于2019年5月11日组织了一次灾害健康风险管理小组会议，突显在仙台框架下促进科学进步对减少灾害风险的重要性，以及健康是减少个人和社区层面灾害风险的关键组成部分。

绿色发展与综合灾害风险防范暨联合国减灾三十年回顾国际研讨会

(2019年10月13日，中国深圳)

陈英凝教授在研讨会上做了题为“健康的重要性：灾害健康风险管理”的口头报告。





大学合作 University Collaboration

University of Oxford (Since April 2011, Oxford, United Kingdom)

The Memorandum of Understanding between The Chinese University of Hong Kong and the University of Oxford for CCOUC was renewed for another 5 years until 2023. The projects central to this renewed MOU include research into cross-cultural ethics and infrastructure in global health and a collaborative initiative for Health-EDRM in various Southeast Asian countries.

牛津大学 (自2011年4月，英国牛津)

香港中文大学与牛津大学就CCOUC达成的合作备忘录续签了5年，直至2023年。这份续签的合作备忘录的核心项目包括研究全球卫生中的跨文化伦理和基础建设，以及一项东南亚各国灾害健康风险管理的合作倡议。

Harvard T.H. Chan School of Public Health (8 February 2018, Cambridge, MA, United States)

Prof Emily YY Chan, a Fellow of the Harvard François-Xavier Bagnoud Center for Health and Human Rights, delivered a talk at Harvard University to discuss her experience and insight in building up health and DRR programmes in the Asia-Pacific region. The talk was a part of the "Work in Progress" series, where Ms Carol KP Wong also introduced students and staff members of Harvard University the opportunities to participate in CCOUC's field training programme.

哈佛大学陈曾熙公共卫生学院 (2018年2月8日，美国麻省剑桥)

作为哈佛大学François-Xavier Bagnoud Center健康与人权中心的学人，陈英凝教授在哈佛大学发表演讲，分享她在亚太地区建立健康和减少灾害风险计划的经验和识见。此次演讲是“工作进行中”系列的一部分，黄嘉宝女士还向哈佛大学的学生和教职员介绍了参加CCOUC培训计划的机会。





**University of Exeter
(6 February 2018, Truro,
United Kingdom)**

Prof Emily YY Chan and Dr Holly CY Lam participated in a meeting with researchers from the European Centre for Environmental & Human Health (ECEHH) of the University of Exeter. The meeting introduced ECEHH's structure and study interests to explore potential collaboration, especially related to CCOUC's climate change and health research.

**艾希特大学
(2018年2月6日，英国特鲁罗)**

陈英凝教授和林靖宇博士参加了跟艾希特大学欧洲环境与人类健康中心研究人员进行的会议。会议介绍了欧洲环境与人类健康中心的结构和研究兴趣，以探讨合作的可能，特别是与CCOUC气候变化和健康研究有关的合作。

**Association of Pacific Rim
Universities (APRU) Global Health
Program: 11th Annual Conference
(16-18 October 2017, Manila,
the Philippines)**

Two CCOUC members participated in the APRU conference attended by over 300 participants and Prof Emily YY Chan discussed the evaluation of training programmes.

**环太平洋大学联盟全球卫生计划：
第十一届年会
(2017年10月16至18日，菲律宾
马尼拉)**

两名CCOUC成员参加了是次有超过300名参加者的会议，陈英凝教授讨论了培训计划的评估。





Tohoku University
(27 February–1 March 2018, Miyagi Prefecture, Japan)

Ms Carol KP Wong was invited to visit various locations that were affected by the 2011 Great East Japan Earthquake and Tsunami. Apart from the field visits, she also joined a meeting hosted by the Tohoku University to share best practices and ways to increase DRR capacity and advocacy.

日本东北大学
(2018年2月27日至3月1日，日本宫城县)

黄嘉宝女士应邀参观了受2011年东日本大地震和海啸影响的多个地方。除了实地考察外，她还参加了日本东北大学主办的会议，以分享最佳实践和提升减少灾害风险能力和倡议的方法。



University of Macau
(20-25 June 2019, Macau SAR, China)

A Memorandum of Understanding between the University of Macau and The Chinese University of Hong Kong was signed for a period of 5 years. From this collaboration, a student exchange programme has been set up, where a University of Macau student has been invited to join the June 2019 CCOUC field trip to Sichuan Province of China. Prof Emily YY Chan and Dr Tony KC Yung paid a visit to the University of Macau on 23 January 2019.

澳门大学
(2019年6月20至25日，中国澳门特别行政区)

澳门大学与香港中文大学签署了一份为期五年的合作备忘录。通过这份合作协议，建立了学生交流计划，而澳门大学的一名学生获邀参加2019年6月CCOUC中国四川省实地考察。陈英凝教授和翁家俊博士在2019年1月23日拜访了澳门大学。



Institute of Mountain Hazards and Environment (IMHE), Chinese Academy of Sciences

(July-August 2018, Chengdu, China)

Mr Zhe Huang had visited IMHE for two weeks in July 2018 under the collaborative project between CCOUC and IMHE of the Chinese Academy of Sciences to map the disaster risk along the Belt and Road region. Prof Emily YY Chan delivered a presentation entitled "Integrating Health Vulnerability Index with Natural Disaster Risk Index Result Discussion" to showcase the results of the project in a subsequent meeting in August 2018. A paper on the health vulnerability index was later published in the Health-EDRM special issue of the International Journal of Environment Research and Public Health.

中国科学院、水利部成都山地灾害与环境研究所

(2018年7月至8月，中国成都)

在CCOUC和中国科学院、水利部成都山地灾害与环境研究所的合作项目下，黄喆先生于2018年7月到成都山地所进行为期两周的交流，绘制“一带一路”沿线地区的灾害风险地图。在随后2018年8月的会议上，陈英凝教授作了“结合健康脆弱性指数与自然灾害风险指数结果讨论”的演讲，展示该项目的成果。一篇关于健康脆弱性指数的论文随后发表在“国际环境研究与公共卫生杂志”灾害健康风险管理特刊上。



Keio University

(2-12 October 2018, Tokyo, Japan)

Prof Emily YY Chan visited Keio University as a visiting professor on DRR and climate change. She delivered a lecture entitled "The Application of Health-EDRM in Field and Academic Programmes" to undergraduate and postgraduate students as well as a specific lecture for postgraduates entitled "Lessons Learnt in Ethnic Minority Health Project in Health-EDRM and DRR". As a two-way academic exchange, Prof Rajib Shaw of Keio University visited CUHK from 26 to 29 March 2019 to give lectures to public health students as well as provide a lunchtime series seminar on "Civil Society and DRR: Some Reflections".

庆应义塾大学

(2018年10月2至12日，日本东京)

陈英凝教授应邀为减少灾害风险和气候变化的客座教授，访问了庆应义塾大学。她向本科生和研究生作“灾害健康风险管理在实地和学术课程应用”演讲，并为研究生做了专门的演讲，题为“少数民族健康项目中灾害健康风险管理和减少灾害风险的经验”。作为一次双向的学术交流，庆应义塾大学的Rajib Shaw教授于2019年3月26至29日访问了香港中文大学，为公共卫生学生讲课，并在午餐研讨会上讨论了“公民社会与减少灾害风险：一些反思”。





Collaborating Centre for Oxford University and CUHK
for Disaster and Medical Humanitarian Response
CCOUC 災害與人道救援研究所

**Xi'an Jiaotong University
(21-26 March 2018, Shaanxi
Province, China)**

A health needs assessment and intervention trip was co-organised by CCOUC and Xi'an Jiaotong University to conduct survey and health intervention in Tayuan Village and Mazhong Village. A training workshop was also held at Xi'an Jiaotong University, where speakers from Xi'an Jiaotong University and CCOUC delivered lectures on "The Past and Present of Xi'an, Challenges of Promoting Health Nutrition – Taking Hong Kong as an Example", "The Sphere Project", and "The Chinese Dietary".



**西安交通大学
(2018年3月21日至26日，中国陕西省)**

CCOUC和西安交通大学共同组织了一次健康需求评估和干预实地考察，在塔元村和马忠村进行调查和健康干预，还在西安交通大学举办了一个培训工作坊，由西安交通大学和CCOUC的讲者就“西安的过去和现在，推广健康营养的挑战——以香港为例”、“环球计划”和“中国饮食”为题进行授课。



**Chinese Consortium of Universities
for Global Health (CCUGH)
(19 July 2018, Shanghai, China)**

Dr Tony Yung was invited to attend the 2nd meeting of the 3rd Executive Committee of Chinese Consortium of Universities for Global Health (CCUGH) held in Fudan University.

**中国全球健康大学联盟会议
(2018年7月19日，中国上海)**

翁家俊博士应邀参加在复旦大学举行的中国全球健康大学联盟第三届执行委员会第二次会议。

**National University of Singapore
(21 to 22 September 2017,
Singapore)**

Mr Chi Shing Wong presented a paper entitled "Policy Implication of Health Impacts of Climate Change in Hong Kong" in the international Conference on "Climate Disaster Governance" organized by Asia Research Institute (ARI) of National University of Singapore. This two-day conference of more than 80 interdisciplinary international participants is the finale event of ARI's "Governing Compound Disasters in Urbanizing Asia" research project. Mr Wong also attended a seminar co-organized by ARI and Routledge to introduce CCOUC and Prof Emily YY Chan's new book *Public Health Humanitarian Responses to Natural Disasters* published by Routledge.

**新加坡国立大学
(2017年9月21至22日, 新加坡)**

黄智诚先生参加了新加坡国立大学亚洲研究所举办的国际“气候灾害管治”会议，发表题为“气候变化的健康影响在香港的政策涵义”的口头报告。是次有80多位跨学科国际学者参加的两天会议，是亚洲研究所“在城市化中的亚洲进行复合灾害管治”研究计划的总结活动。黄先生也出席了由亚洲研究所和罗德里奇出版社安排的研讨会，介绍CCOUC和陈英凝教授年初由罗德里奇出版的新书《自然灾害的公共卫生人道救援》。



**University of Northumbria
(17-19 July 2019, Newcastle
upon Tyne, United Kingdom)**

Ms Gloria Chan and Ms Carol Wong attended the conference "New Points of Departure in Transitioning Disaster Reduction and Sustainability Challenges" in University of Northumbria. Ms Chan delivered the presentation on "Health Communication in Hong Kong's Civil Unrest" in the plenary session and chaired the parallel session on "WHO Thematic Platform for Health Emergency and Disaster Risk Management", where Ms Wong presented the research findings on urban community resilience after Typhoon Mangkhut in 2018.

**诺桑比亚大学
(2019年7月17至19日, 英国泰恩河
畔纽卡斯尔)**

陈广慧女士和黄嘉宝女士出席了诺桑比亚大学“减灾和可持续发展挑战的转变和新出发点”会议。陈女士在全体会议上作了“香港社会动荡中的健康传播”的演讲，并主持了“世界卫生组织灾害健康风险管理专题平台”的小组会议；而黄女士则在小组会议上发表了有关2018年台风“山竹”吹袭香港后，其城市小区抗灾力的研究成果。

2

应对2019冠状病毒病大流行的工作
Efforts on COVID-19 Pandemic Response

Global COVID-19 Institutional Platform

Members of CCOUC have actively participated in various global platforms to contribute CCOUC's expertise to the global effort in responding to the COVID-19 pandemic since early 2020.

World Health Organization Global COVID-19 Research Roadmap Social Science working group

Prof Emily YY Chan has been appointed Co-Chairperson of the group since February 2020 and participated in various research and policy efforts of the group, including weekly, bi-weekly and monthly meetings of various sub-groups and the publication of COVID-19-related policy briefs. Major activities included serving as Co-Chair of the sub-sessions on the state of the art and global research agenda setting for social sciences in outbreak response in the *Global Research and Innovation Forum: Towards a Roadmap for the 2019 Novel Coronavirus* organized by World Health Organization and the Global Research Collaboration for Infectious Disease Preparedness (GloPID-R) from 11 to 12 February 2020 in Geneva, Switzerland; presenting on "Next steps and new frontiers: Emerging social sciences research priorities" in the WHO virtual meeting of the *Global Research and Innovation Forum on COVID-19 from 1 to 2 July 2020 via Zoom*; participating as a panelist in a group discussion on community-centred initiatives in the stage of readiness of the health emergency cycle in the *World Health Organization Ad Hoc Consultation on Community-Centred Approaches to Health Emergencies Including COVID-19 on 31 March 2021*; serving as an invited presenter to report on "Community-centered approaches to pandemic response" in the thematic area "Social Science in Outbreak Response" in the *WHO COVID-19 Global Research & Innovation Forum: An Updated Research Roadmap on 14 May 2021*. Prof Samuel YS Wong, Prof Kevin KC Hung, Mr Chi Shing Wong, and Ms Caroline Dubois have actively participated in these WHO forums.

World Health Organization Global Outbreak Alert and Response Network (GOARN)

Prof Emily YY Chan joined as Technical Focal Point of GOARN in December 2020.

World Meteorological Organization SARS-CoV-2/COVID-19 Task Team

Upon the recommendation of Hong Kong Observatory, Prof Emily YY Chan joined the task team in June 2020 to provide public health expertise to the task team comprising meteorology, health and policy experts to explore the meteorological and air pollution factors behind the COVID-19 pandemic and the translation into practice of meteorological services. From 4 to 6 August 2020, CCOUC participated in the *Climatological, Meteorological and Environmental Factors in the COVID-19 Pandemic online symposium* organized by World Meteorological Organization (WMO) and Advancing Earth and Space Science (AGU). On 12 January 2021, CCOUC joined the *Task Team's 1st global webinar* to seek input from more than 100 experts worldwide on the team's review report regarding the effects of meteorological and air quality (MAQ) factors on COVID-19. On 22 September 2021, Mr Chi Shing Wong participated in the *2nd WMO COVID-19 Task Team Roundtable: COVID-19 Seasonality: Current Understanding and Relevance to Decision-Making*.

全球COVID-19机构平台

自2020年初，CCOUC成员积极参与了各种全球平台，为全球应对COVID-19大流行的努力贡献CCOUC的专家知识。

世界卫生组织2019冠状病毒病社科医学研究专家小组

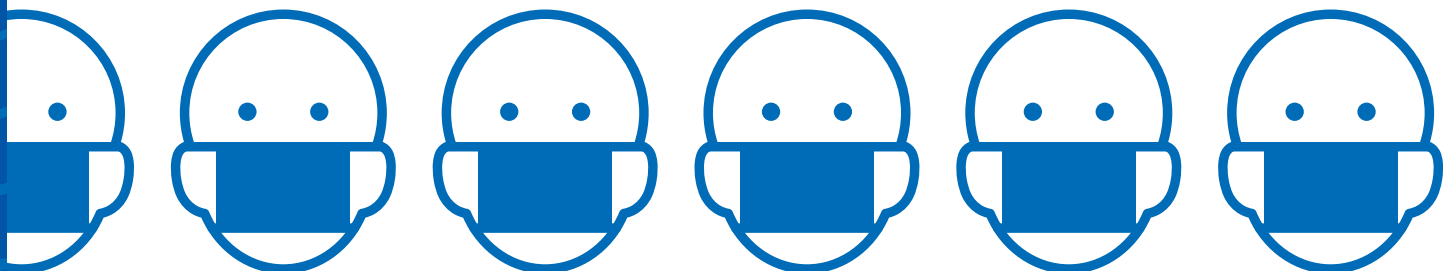
陈英凝教授自2020年2月起担任专家小组联席主席，参与小组多项研究和政策工作，包括专家小组下辖不同分组的每周、双周和每月会议，以及发表一系列与COVID-19相关的简报。主要的活动包括在2020年2月11至12日由世界卫生组织和全球传染病防治研究合作组织在瑞士日内瓦举办的“全球研究与创新论坛：制订2019年新型冠状病毒研究路线图”中，作为两个分组讨论的联席主席，分别是社会科学在疫情应对中的最新研究状况和全球研究议程设定；在2020年7月1至2日世界卫生组织COVID-19全球研究与创新论坛虚拟会议中发表题为“下一步和新领域：新兴的社会科学研究优先领域”的演讲；在2021年3月31日世界卫生组织关于以社区为中心的突发卫生事件(包括COVID-19)应对方法的特别咨询会议中，应邀参与“在卫生紧急情况周期准备阶段以社区为中心的举措”的小组讨论；在2021年5月14日世界卫生组织“全球研究与创新论坛：更新的研究路线图”中作为特邀讲者，在“社会科学在疫情应对”的主题范围就“社区为中心的大流行应对方法”作报告。黄仰山教授、洪矾正教授、黄智诚先生和杜沛欣小姐积极参与了这些世卫论坛。

世界卫生组织全球疫情警报和反应网络

陈英凝教授于2020年12月成为该网络的联络人。

世界气象组织严重急性呼吸综合征冠状病毒2/2019冠状病毒病专家小组

陈英凝教授2020年6月在香港天文台的推荐下加入专家小组，为小组提供有关公共健康的专家意见。该专家小组由气象、健康和政策方面的专家组成，探讨气象和空气污染因素对COVID-19大流行的影响，并把有关的成果转化应用于实际的气象服务工作。2020年8月4至6日，CCOUC通过Zoom参与了世界气象组织和地球与空间科学进展合办的COVID-19全球大流行的气候、气象及环境因素研讨会。2021年1月12日，CCOUC参加了小组第一次全球网络研讨会，研讨会就该小组有关气象和空气质量因素对COVID-19的影响的检讨报告向全球超过100位专家征询意见。2021年9月22日，黄智诚先生参与了小组第二次圆桌会议：COVID-19季节性：当前的理解和对决策的相关性。





Other Global COVID-19 Policy Platform

CCOUC members have also actively participated in the following global COVID-19-related policy platforms since early 2020.

Live Seminar on Epidemic Ethics: Why should ethics be front and centre to the response to COVID-19? Is it?, World Health Organization PHEPREN (Public Health Emergency Preparedness and Response Ethics Network)
(20 April 2020, Zoom)
Prof Emily YY Chan was an invited presenter.

Invited Lecture, COVID-19: International Responses, Keio University RISK AP Seminar
(21 May 2020, Webex)

15th Meeting of the High-level Experts and Leaders Panel on Water and Disasters (HELP) of the United Nations: 2020 HELP Actions under COVID-19 Pandemic
(29 May 2020, Zoom)
Prof Emily YY Chan was invited to present on "COVID-19 and DRR".

APRU Global Health Conference 2020: Universal Healthcare Across the Lifecourse, Association of Pacific Rim Universities (APRU) Global Health Program, Fudan University and University of Southern California Institute on Inequalities in Global Health
(19 October 2020, Zoom)
Prof Emily YY Chan was invited to give a presentation on "Characteristics and well-being of urban informal home care providers during COVID-19 pandemic: a population-based survey".

6th Lancet-CAMS Health Conference, Chinese Academy of Medical Sciences (CAMS) and The Lancet
(24-25 November 2020, Beijing, China, Zoom)

Asia-Pacific Partnership for Disaster Risk Reduction (APP-DRR) Forum, United Nations Office for Disaster Risk Reduction - Regional Office for Asia and Pacific
(1 December 2020, online)
Prof Emily YY Chan was the only invited speaker from the academia to give a presentation entitled "Key opportunities and strengthening the intersection between health and DRR" in the panel discussion of strengthening disaster risk governance.

UN-Habitat Urban Thinkers Campus (UTC) 5.0, Visvesvaraya National Institute of Technology
(9 December 2020, Nagpur, India, Zoom)
Prof Emily YY Chan gave a presentation on "Urban Health and Health Hazards: Case of Hong Kong".

WHO ad hoc consultation: COVID-19 new variants – knowledge gaps and research priorities
(12 January 2021, Geneva, Switzerland, Zoom)

WHO ad hoc consultation: COVID-19 vaccines – knowledge gaps and research priorities
(15 January 2021, Geneva, Switzerland, Zoom)

WHO ad hoc consultation: COVID-19 vaccines – Methodological approaches to assess variants effect on vaccine effects
(11 February 2021, Geneva, Switzerland, Zoom)

其它全球COVID-19政策平台

自2020年初，CCOUC成员也积极参与了以下全球COVID-19相关政策平台。

流行病伦理现场直播研讨会：为什么伦理应该处于应对COVID-19的前线和中心？有没有呢？世界卫生组织公共卫生应急准备和响应伦理网络
(2020年4月20日，Zoom)
陈英凝教授为特邀讲者。

特邀讲座，COVID-19：国际回应，庆应义塾大学 RISK AP研讨会
(2020年5月21日，Webex)

联合国水和灾害问题高级别专家和领导人小组 (HELP)第15次会议：在COVID-19大流行中的2020年HELP项目
(2020年5月29日，Zoom)
陈教授发表了题为“COVID-19和减低灾害风险”的演讲。

APRU全球健康会议2020：全生命周期的全民医疗保健，环太平洋大学协会(APRU)全球卫生计划与复旦大学和南加州大学全球卫生不平等研究所
(2020年10月19日，Zoom)
陈教授获邀在有关COVID-19的小组会议上作了题为“COVID-19大流行期间城市非正式家庭照顾提供者的特征和福祉：一项全人口调查”的演讲。

第六届柳叶刀-中国医学科学院医学与健康大会，中国医学科学院和“柳叶刀”杂志
(2020年11月24至25日，中国北京，Zoom)

亚太减少灾害风险伙伴论坛，联合国减灾署-亚洲及太平洋区域办事处
(2020年12月1日，互联网)
陈英凝教授是会上唯一受邀的学术界讲者，在关于加强灾害风险管治的小组讨论中作了题为“关键机遇以及加强卫生与减少灾害风险之间的对接”的演讲。

联合国人居署城市思想家校园(UTC)5.0，维斯瓦拉亚国立理工学院
(2020年12月9日，印度那格浦尔，Zoom)
陈英凝教授作了题为“城市健康与健康危害：香港的案例”的演讲。

世卫组织特别咨询会议：COVID-19新变种——知识缺口和研究优先事项
(2021年1月12日，瑞士日内瓦，Zoom)

世卫组织特别咨询会议：COVID-19疫苗——知识缺口和研究优先事项
(2021年1月15日，瑞士日内瓦，Zoom)

世卫组织特别咨询会议：COVID-19疫苗——评估病毒变种对疫苗效能影响的研究方法
(2021年2月11日，瑞士日内瓦，Zoom)

Strengthening disaster management legislation to address multi-dimensional risks (UNDRR, UNDP and IFRC small focus group consultation on the implication of COVID-19 on the revision of the National Disaster Management Act of India) (25 February 2021, Bangkok, Thailand, Zoom)
Prof Emily YY Chan participated as an invited speaker.

WHO COVID-19 Vaccines Research Forum
(2 March 2021, Geneva, Switzerland, Zoom)

WHO ad hoc consultation: COVID-19 therapeutics – Knowledge gaps and research priorities
(3 March 2021, Geneva, Switzerland, Zoom)

WHO COVID-19 Vaccines Research Forum
(6 April 2021, Geneva, Switzerland, Zoom)

WHO COVID-19 Safe Hospital Webinar Series
(15 April 2021, Geneva, Switzerland, Zoom)

Inaugural Webinar of CCOUC 10th Anniversary International Webinar Series on Health Emergency and Disaster Risk Management cum IRDR Global Research Agenda Pre-Session: Latest frontier and application of Health-EDRM within the scope of COVID-19, CCOUC
(19 April 2021, Hong Kong, Zoom)
Prof Emily YY Chan gave a presentation on "Latest Frontier and Application of Health-EDRM within the Scope of COVID-19".
Prof Rajib Shaw of Keio University gave a presentation on "Shelter Management during Pandemics: Lessons from Cascading Risks of Cyclones and COVID-19".

WHO COVID-19 Vaccines Research Forum: Vaccines: overview of research priorities
(4 May 2021, Geneva, Switzerland, Zoom)

CCOUC 10th Anniversary Webinar Series: Health-EDRM Education and Research in China: Commemorating the 512 Wenchuan Earthquake, CCOUC
(12 May 2021, Hong Kong, Zoom)
Prof Kevin Hung gave a presentation on "CCOUC Ethnic Minority Health Project: A Case Study for Health-EDRM Initiatives to Improve Disaster Preparedness in a Rural Chinese Population".
Prof Gretchen Kalonji, Co-Chair of Alliance of International Science Organizations on Disaster Risk Reduction (ANSO-DRR), gave a presentation on "Research and Education in Medicine and DRR in China since Wenchuan Earthquake".

Virtual Forum: Response, Resilience, & Reset: Finding Order in Complexity, Japanese Association for Disaster Medicine and WADEM
(13-14 May 2021, Zoom)

MCR2030 Webinar: Enhancing urban resilience with multi-hazard early warning, urban risk communication and flood resilience measurement digital tools, IFRC, UNDRR and MCR 2030
(20 May 2021, Zoom)

WHO COVID-19 Vaccines Research Forum
(26 May 2021, Geneva, Switzerland, Zoom)

加强灾害管理法规以应付多重风险(联合国减灾署、联合国开发计划署、红十字会与红新月会国际联合会COVID-19如何影响印度国家灾害管理法修订焦点小组咨询)
(2021年2月25日, 泰国曼谷, Zoom)
陈英凝教授以特邀讲者身份出席讨论。

世卫组织COVID-19疫苗研究论坛
(2021年3月2日, 瑞士日内瓦, Zoom)

世卫组织特别咨询会议: COVID-19疗法——知识缺口和研究优先事项
(2021年3月3日, 瑞士日内瓦, Zoom)

世卫组织COVID-19疫苗研究论坛
(2021年4月6日, 瑞士日内瓦, Zoom)

世卫组织COVID-19安全医院网络研讨会
(2021年4月15日, 瑞士日内瓦, Zoom)

CCOUC 10周年灾害健康风险管理国际网络研讨会系列启动研讨会暨IRDR全球研究议程会前会议: COVID-19中灾害健康风险管理的最新前沿和应用, CCOUC
(2021年4月19日, 香港, Zoom)
陈英凝教授作了题为“COVID-19中灾害健康风险管理的最新前沿和应用”的演讲。
庆应义塾大学Rajib Shaw教授作了题为“大流行期间的避难所管理: 从飓风和COVID-19的级联风险中吸取的教训”。

世卫组织COVID-19疫苗研究论坛: 研究优先事项总览
(2021年5月4日, 瑞士日内瓦, Zoom)

CCOUC 10周年灾害健康风险管理国际网络研讨会系列: 中国的灾害健康风险管理教育和研究: 纪念512汶川大地震, CCOUC
(2021年5月12日, 香港, Zoom)
洪矾正教授作了题为“CCOUC少数民族健康计划: 一个改善中国农村人口备灾状况的灾害健康风险管理倡议案例研究”的演讲。
国际防灾减灾科学联盟联席主席Gretchen Kalonji教授作了题为“汶川地震以来中国医学与减灾研究与教育”的演讲。

虚拟论坛: 响应、抗灾力和重启: 在复杂性中寻找秩序, 日本灾害医学会和世界灾难与急诊医学协会
(2021年5月13至14日, Zoom)

令城市具抗灾力2030网上研讨会: 通过多种危害预警、城市风险沟通和测量抗洪能力数字工具以增强城市抗灾力, 红十字会与红新月会国际联合会、联合国减灾署和令城市具抗灾力2030计划
(2021年5月20日, Zoom)

世卫组织COVID-19疫苗研究论坛(2021年5月26日, 瑞士日内瓦, Zoom)



CCOUC 10th Anniversary Webinar Series: Health-EDRM and Disaster Mental Health in Asia Pacific, CCOUC
(1 June 2021, Hong Kong, Zoom)
Dr Ryoma Kayano of WHO Centre for Health Development gave a presentation on "WHO Health EDRM Initiative and Disaster Mental Health".
Dr Elizabeth Newnham, Chair of Asia Pacific Disaster Mental Health Network gave a presentation on "Asia Pacific Disaster Mental Health Network and a Systematic Review of Mental Health".

WHO Global consultation on SARS-CoV-2 variants of concern and their impact on public health interventions
(10 June 2021, Geneva, Switzerland, Zoom)

World Meteorological Organization Global Atmospheric Watch (GAW) Quadrennial Symposium 2021
(28 June-2 July 2021, Zoom)

CCOUC 10th Anniversary Webinar Series: Health-EDRM and Evidence Base for Health in Emergency and Disaster, CCOUC
(11 August 2021, Hong Kong, Zoom)
Prof Emily YY Chan delivered a presentation on "Real-time Data Collection in Research and Policy Implication".
Prof Debarati Guha-Sapir of Centre for Research on the Epidemiology of Disasters (CRED) and Johns Hopkins University gave a presentation on "Quality of Health Data in Emergencies and Disasters".

WHO COVID-19 Vaccines Research Forum: Can booster doses contribute to control this pandemic: what research is needed?
(13 August 2021, Geneva, Switzerland, Zoom)

WHO COVID-19 Vaccines Research Forum: Will emerging data allow increased reliance on vaccine immune responses for public health and regulatory decision-making?
(3 September 2021, Geneva, Switzerland, Zoom)

CCOUC 10周年灾害健康风险管理国际网络研讨会系列：灾害健康风险管理和亚太地区的灾难精神健康，CCOUC
(2021年6月1日，香港，Zoom)
世界卫生组织健康开发中心茅野龙马医生作了题为“世界卫生组织灾害健康风险管理倡议与灾难精神健康”的演讲。
亚太灾害精神健康网络主席Elizabeth Newnham博士作了题为“亚太灾害精神健康网络和一个灾害精神健康的系统性文献回顾”的演讲。

世卫组织关于严重急性呼吸综合征冠状病毒2值得关注病毒变异株及其对公共卫生干预的影响的全球咨询会议
(2021年6月10日，瑞士日内瓦，Zoom)

世界气象组织全球大气监视网四年一次专题研讨会2021
(2021年6月28日至7月2日，Zoom)

CCOUC 10周年灾害健康风险管理国际网络研讨会系列：灾害健康风险管理和突发事件与灾害中的实证基础，CCOUC
(2021年8月11日，香港，Zoom)
陈英凝教授作了题为“科学研究中的实时数据收集和政策意义”的演讲。
灾害流行病学研究中心和约翰霍普金斯大学Debarati Guha-Sapir教授作了题为“突发事件和灾害中的健康数据质量”的演讲。

世卫组织COVID-19疫苗研究论坛：加强剂能有助于控制这次大流行吗：需要什么研究？
(2021年8月13日，瑞士日内瓦，Zoom)

世卫组织COVID-19疫苗研究论坛：新数据会否容许在公共卫生和监管决策中更多参考疫苗免疫反应？
(2021年9月3日，瑞士日内瓦，Zoom)

Research Project

International Research Project: The Role of Communication Strategies and Media Discourse in Shaping Psychological and Behavioral Response to the COVID-19 Outbreak: A Comparative Analysis

In response to the COVID-19 outbreak, CCOUC joined hands with multinational experts from Canada, the United States, England, Belgium, Switzerland, Hong Kong, the Philippines and New Zealand to undertake a cross-country comparative rapid research on the role of communication strategies and media discourse in shaping psychological and behavioral response to the COVID-19 outbreak. The 2-year research project from March 2020 was funded by Canadian Institutes of Health Research.

International Research Project: Homecare of Individuals with COVID-19

Funded by World Health Organization, CCOUC undertook a research project on homecare of individuals with COVID-19. This 6-month research project from July 2020 aimed to provide a rapid literature review on what we know for home care as related to patterns, practices and challenges of COVID-19; identify the various home care contexts, care giver subtypes and at-risk patient groups including informal carers, people with vulnerabilities (e.g. populations with pre-existing mental health conditions); discuss proposed programmes, policies and examples for enhancing home care capacity in various settings and addressing current gaps in home care delivery for COVID-19; and highlight existing research gaps.

Research Project: Perception Towards Coronavirus Disease (COVID-19) and Home Quarantine: A Cross-Sectional Survey in Hong Kong

As part of the response effort of the WHO COVID-19 Research Roadmap Social Science working group, CCOUC conducted two waves of 1-to-2-week territory-wide cross-sectional surveys in Hong Kong in 2020 and 2021 by random-digit dialing to gauge local people's perception towards COVID-19. This study is part of the multi-national comparative study of the WHO COVID-19 working group.

研究项目

国际研究项目：传播策略和媒体话语在塑造对2019冠状病毒病爆发的心理和行为反应中的作用：一个比较分析

为应对COVID-19的疫情，CCOUC与来自加拿大、美国、英国、比利时、瑞士、香港、菲律宾和新西兰的跨国专家携手合作，就2019冠状病毒病爆发的传播策略和媒体话语在塑造心理和行为反应中的作用进行跨国比较快速研究。该研究项目自2020年3月开始，为期两年，由加拿大卫生研究院资助。

国际研究项目：2019冠状病毒病患者的家居照顾

CCOUC进行了一项由世界卫生组织资助，有关COVID-19患者家居照顾的研究项目。这项从2020年7月开始、为期六个月的研究旨在就已知的COVID-19家居照顾模式、做法及挑战提供一个快速的文献回顾；辨别各种家居照顾环境、照顾人员的种类，以及高风险群组——包括非正式照顾人员和脆弱人士（例如已有精神健康问题的人）；探讨在各种环境下提高COVID-19家居照顾能力及处理目前提供家居照顾方面的不足所提出的计划、政策及例子；以及指出现有的研究缺口。

研究项目：对2019冠状病毒病和家居隔离的看法

作为世界卫生组织COVID-19社科医学研究专家小组应对2019冠状病毒病大流行工作的一部分，CCOUC通过随机电话拨号在2020年3月底和12月下旬在香港进行了两次各为期一至两周的全境横断面调查，以评估当地人对COVID-19的看法。这项调查是世卫COVID-19社科医学小组跨国比较研究的一部分。



Guideline, Technical Report and Brief

Home Care Guidelines (COVID-19)

In view of the emerging needs for home care quarantine during the COVID-19 pandemic, CCOUC has developed home care guidelines based on advices of World Health Organization, Chinese Center for Disease Control and Prevention and Hong Kong Centre for Health Protection, taking into account of Hong Kong's local situations. Education posters and materials have been designed and disseminated to community partners such as GX Foundation. As Sphere Focal Point for China, CCOUC has also shared this poster with members of Sphere across the globe via Sphere Geneva Headquarters. Prof Martin Wong of JC School of Public Health and Primary Care, CUHK has participated in reviewing the content of the guidelines and Mars Media Academy in designing the layout of the poster and leaflet.



A Review on Implications of Home Care in a Biological Hazard: The Case of SARS-CoV-2/ COVID-19

This technical brief intends to review existing guidelines, research evidence and published practices related to home care, covering care delivered by formal and informal care providers with the care recipients maintained at their own homes. Home care has been a healthcare option for addressing the surge capacity introduced by the COVID-19 pandemic. It aims to serve as a technical background review of various home care issues and to inform, facilitate and improve community's response to health needs and individual's capacity in self-care. It also seeks to protect the well-being of people who might need home care or are otherwise affected by the global COVID-19 emergency.

Technical Advisory Document: Integrating Biological Hazards (Including Pandemics) Into DRR Planning

To strengthen systemic planning and coordination, the UN Office for Disaster Risk Reduction (UNDRR) is issuing guidance notes on integrating risks associated with biological hazards, including pandemics, into: 1) disaster risk reduction planning at the national and local levels, and 2) UN Sustainable Development Cooperation Frameworks and Common Country Analysis and plans. The purpose of the Technical Advisory Document: Integrating Biological Hazards (Including Pandemics) Into DRR Planning is to provide basic review materials to facilitate the development of the guidance document. CCOUC has provided expert opinion for the compilation of this technical advisory document.

Contributing to World Health Organization Updated Global Guidance on COVID-19 Home Care

On 12 August 2020, the World Health Organization updated the global guidance for home care for COVID-19 patients released in mid-March 2020. Prof Emily YY Chan was a key expert in providing input for the update, including the requirements for the household to be suitable for caring for COVID-19 patients in the home. A technical brief and a Lancet paper by the CCOUC team were quoted as key references in this WHO guidance as a benchmark international technical document.

Research in Global Health Emergencies: Ethical Issues

The Nuffield Council on Bioethics published the findings of an in-depth inquiry into the ethical issues relating to research in global health emergencies in January 2020. The inquiry was run by an international working group which

指南、技术文件和简报

居家隔离护理指南 (2019冠状病毒病)

鉴于在2019冠状病毒病大流行期间出现了居家隔离护理的需求，CCOUC根据世界卫生组织、中国疾病预防控制中心和香港卫生防护中心的建议，并参考香港本地情况，制订了居家隔离护理指南。同时，也制作教育海报和材料，并分发给社区合作伙伴，例如共享基金会。作为环球计划中国联络点，CCOUC也通过环球计划日内瓦总部，把此海报与世界各地的环球计划成员分享。香港中文大学赛马会公共卫生及基层医疗学院黄至生教授参与了指南内容的评审，而火星媒体则协助设计了海报和传单。

家居护理在生物危害中的影响回顾：SARS-CoV-2 / COVID-19案例

本技术简介旨在回顾与家居护理有关的现有指引、研究证据和已公布的实践方法，涵盖正规和非正规护理提供者，对留在自己家中的护理接受者提供的护理。家居护理已成为解决COVID-19大流行带来的激增护理能力要求的一个医疗护理选项。本简介旨在提供对各种家居护理问题的技术背景回顾，并提供信息、促进和改善社区对健康需求和个人自我护理能力要求的回应。它还尝试保护可能需要家居护理或受到全球COVID-19突发事件影响的人们的福祉。



技术咨询文件：将生物危害(包括疫症大流行)纳入减少灾害风险规划

为加强有系统的规划和协调，联合国国际减灾署将发布把生物危害相关风险(包括疫症大流行)纳入以下方面的指引：(1)国家和地方层面的减少灾害风险规划；以及(2)联合国可持续发展合作框架和共同国家分析与计划。《技术咨询文件：将生物危害(包括疫症大流行)纳入减少灾害风险规划》旨在提供基本的审核材料，以促进该联合国指引的制订。CCOUC为本技术文件的编制提供了专家意见。

参与世界卫生组织更新全球2019冠状病毒病家居照顾指引

世界卫生组织8月12日更新了在3月中发布的全球COVID-19患者家居照顾指引，陈英凝教授为此次更新提供了专家意见，包括有关患者接受家居照顾时所需要符合的条件。这份更新了的国际技术指引也引用了由CCOUC团队撰写的一份相关技术报告和一篇刊登在《柳叶刀》期刊的论文。

全球突发卫生事件研究中的伦理问题

纳菲尔德生物伦理委员会2020年1月发表了在全球突发卫生事件研究的相关伦理问题上所做的一项深入调查的结果。该调查由一个国际工作组负责。该工作组收集了来自全球各地许多贡献者的证据和经

gathered evidence and experience from many contributors across the globe, including CCOUC. Prof Emily YY Chan and her colleagues at CCOUC and JC School of Public Health and Primary Care, CUHK have also helped publish a Chinese version of the short report.

Key Considerations: Quarantine in the Context of COVID-19

Prof Emily YY Chan and Mr Chi Shing Wong worked with the WHO COVID-19 Research Roadmap Social Science working group's partners at the Social Science in Humanitarian Action Platform (SSHAP) to publish a Chinese version of a brief "Key Considerations: Quarantine in the Context of COVID-19" as a useful tool for the Chinese researchers, practitioners and policy makers. This brief sets out practical considerations relating to the design and impact of measures that restrict human movement patterns in the context of COVID-19, including quarantine, isolation and social distancing.

验，包括CCOUC。陈英凝教授及其CCOUC和香港中文大学赛马会公共卫生及基层医疗学院的同事协助出版了报告的中文版本简报。

关键考虑因素：2019冠状病毒病疫情中的隔离医学观察

陈英凝教授和黄智诚先生与世界卫生组织COVID-19社科医学研究专家小组的伙伴“人道主义行动中的社会科学平台”，合作出版了“关键考虑因素：2019冠状病毒病疫情中的隔离医学观察”简报的中文版。这份简报针对在COVID-19疫情背景下限制人类流动模式措施的设计和影响，提出了务实的考虑因素。此类措施包括：医学观察、医学隔离，以及增加社交距离。



Key Considerations: Online Information, Mis- and Disinformation in the Context of COVID-19

Prof Emily YY Chan and Mr Chi Shing Wong worked with partners of the WHO COVID-19 Research Roadmap Social Science working group at the Social Science in Humanitarian Action Platform (SSHAP) to publish a Chinese version of a brief "Key Considerations: online information, mis- and disinformation in the context of COVID-19". This brief sets out practical considerations relating to flows of information, misinformation and disinformation through online media, particularly social media networks, in the context of the COVID-19 pandemic. It details various types of online media, key players and influencers on social media, and strategies for ensuring good information and disrupting mis- and disinformation.

关键考虑因素：2019冠状病毒病疫情中的在线信息，错误和虚假信息

陈英凝教授和黄智诚先生与世界卫生组织2019冠状病毒病社科医学研究专家小组的伙伴“人道主义行动中的社会科学平台”合作出版了“关键考虑因素：COVID-19疫情中的在线信息、错误和虚假信息”简报的中文版。这份简报针对在2019冠状病毒病大流行背景下，就信息、错误信息和虚假信息通过网络媒体特别是社交媒体网络而流通，提出了务实的考虑因素。它详细地分析了各种类型的网络媒体，社交媒体的主要参与者和具影响力的人，以及确保良好信息和阻断错误和虚假信息的策略。

Key Considerations: COVID-19 in Informal Urban Settlements

Prof Emily YY Chan and Mr Chi Shing Wong worked with partners of the WHO COVID-19 Research Roadmap Social Science working group at the Social Science in Humanitarian Action Platform (SSHAP) to publish a Chinese version of a brief "Key Considerations: COVID-19 in informal urban settlements". This brief sets out practical considerations for protecting informal urban settlements from the spread and impacts of COVID-19. There is heightened concern about these settings because of the combination of population density and limited infrastructure. This briefing discusses what is known about vulnerabilities and how to support local action.

关键考虑因素：非正规城市住区中的2019冠状病毒病

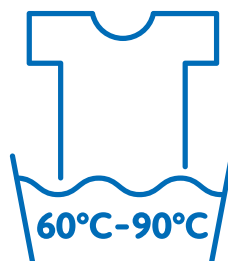
陈英凝教授和黄智诚先生与世界卫生组织COVID-19社科医学研究专家小组的伙伴“人道主义行动中的社会科学平台”合作出版了“关键考虑因素：非正规城市住区中的COVID-19”简报的中文版。这份简报列出了保护非正规城市住区免受COVID-19散播和影响的关键考虑因素。由于非正规城市住区结合了人口密度和基础设施紧密的问题，增加了人们对这些环境的忧虑。本简报讨论了对相关脆弱性的已有知识以及如何支持本地层面的行动。

Rapid Review: Vaccine Hesitancy and Building Confidence in COVID-19 Vaccination

Prof Emily YY Chan and Mr Chi Shing Wong worked with partners of the WHO COVID-19 Research Roadmap Social Science working group at the Social Science in Humanitarian Action Platform (SSHAP) to publish a Chinese version of a brief "Rapid Review: Vaccine Hesitancy and Building Confidence in COVID-19 Vaccination". This brief draws on social science literature and informal interviews with experts to illustrate that vaccine hesitancy is more complex and context-specific, and often reflects diverse, everyday anxieties – not just, or even primarily, exposure to misinformation or anti-vaccine campaigners. Based on this, the brief proposes strategies to guide policy makers, public health officials, vaccine developers, health workers, researchers, advocates, communicators, media actors and others involved in vaccine development, communication and deployment to boost confidence in COVID-19 vaccines.

快速回顾：疫苗犹豫和建立对2019冠状病毒病疫苗接种的信心

陈英凝教授和黄智诚先生与世界卫生组织COVID-19社科医学研究专家小组的伙伴“人道主义行动中的社会科学平台”合作出版了“快速回顾：疫苗犹豫和建立对2019冠状病毒病疫苗接种的信心”简报的中文版。本简报通过引述社会科学文献以及非正式专家访谈内容，阐明接触错误的信息、受反疫苗运动倡导者影响并不是造成疫苗犹豫的单一或主要原因，疫苗犹豫往往由更复杂的原因和受特殊背景所影响，并往往反映各种不同的日常焦虑。建基于此，本简报提出了一些有助于增强人们对COVID-19疫苗信心的策略，供决策者、公共卫生官员、疫苗研制者、医务工作者、研究人员、倡导者、讯息传播者、媒体行动者以及参与疫苗研制、传播和接种工作的其他人员参考。





Major International Conference Presentation

Global Research and Innovation Forum: Towards a Roadmap for the 2019 Novel Coronavirus

Prof Emily YY Chan has been invited by the World Health Organization (WHO) and the Global Research Collaboration for Infectious Disease Preparedness (GloPID-R) to join the 2-day WHO expert meeting in Geneva, Switzerland during 11-12 February 2020 to help set the global research agenda for the 2019 novel Coronavirus (COVID-2019), including priorities and governance frameworks for global coordination and implementation. Prof Chan co-chaired two sub-sessions on the state of the art and global research agenda setting for social sciences in outbreak response.

Live Seminar on Epidemic Ethics: Why Should Ethics Be Front and Centre to the Response to COVID-19? Is it?

Prof Emily YY Chan was invited by World Health Organization PHEPREN (Public Health Emergency Preparedness and Response Ethics Network) to give a presentation in an online seminar "Epidemic Ethics: Why should ethics be front and centre to the response to COVID-19. Is it?" on 20 April 2020. In addition to Prof Chan from Asia, health experts from Europe, Africa and North America also gave presentations in the live seminar with 300 participants from across the globe.

WHO Global Research and Innovation Forum on COVID-19

Prof Emily Chan, Mr C S Wong and Mr Zhe Huang were invited by the World Health Organization (WHO) and the Global Research Collaboration for Infectious Disease Preparedness (GloPID-R) to join a 2-day WHO virtual meeting of the Global Research and Innovation Forum on COVID-19 during 1-2 July 2020 via Zoom. With more than 1,200 key experts, partners and stakeholders participating, this meeting is a follow-up to the one held in February 2020, of which the global research roadmap for COVID-19 was formulated. On the second day of the meeting, Prof Emily Chan delivered a presentation entitled "Next steps and new frontiers: Emerging social sciences research priorities".

大型国际会议口头报告

全球研究与创新论坛：制订2019年新型冠状病毒研究路线图

陈英凝教授应世界卫生组织和全球传染病防治研究合作组织的邀请，于2020年2月11至12日参加在瑞士日内瓦举行、为期两天的世界卫生组织专家会议，协助世界卫生组织制订有关2019年新型冠状病毒的全球研究议程，当中包括设定研究优先和全球协调和执行的管治框架。陈教授为两个分组讨论的联席主席，分别是社会科学在疫情应对中的最新研究状况和全球研究议程设定。

流行病理现场直播研讨会：为什么伦理应该处于应对COVID-19的前线和中心？有没有呢？

陈英凝教授应世界卫生组织公共卫生应急准备和响应伦理网络的邀请，于2020年4月20日的一场名为“为什么伦理应该处于应对COVID-19的前线和中心？有没有呢？”的网络研讨会上作口头报告。除了来自亚洲的陈教授外，来自欧洲、非洲和北美的卫生专家还在这次现场直播研讨会向来自全球300名参与者演讲。

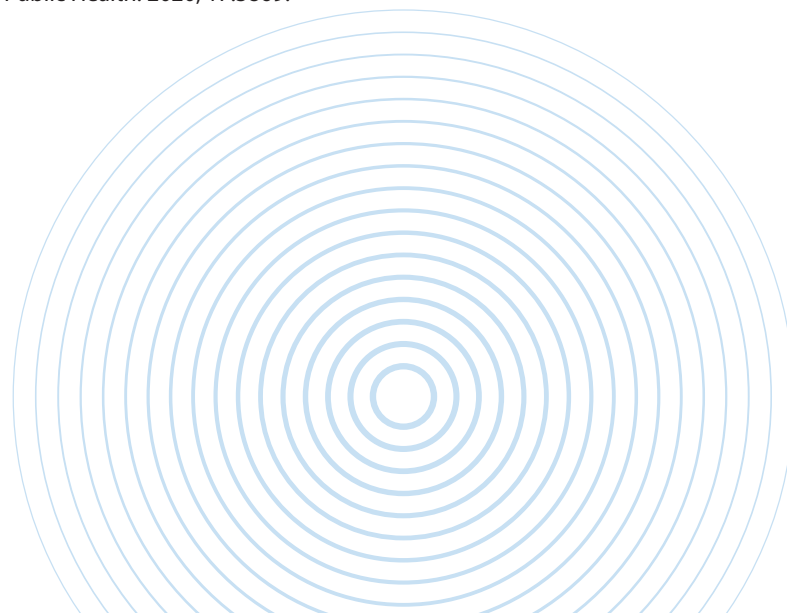
世界卫生组织2019冠状病毒病全球研究与创新论坛

陈英凝教授、黄智诚先生及黄喆先生应世界卫生组织和全球传染病防治研究合作组织邀请，透过Zoom在2020年7月1-2日参加了为期两天的COVID-19全球研究与创新论坛虚拟会议。此次是2020年2月举行有关制订COVID-19全球研究路线图会议的后续会议，有多达1200多位关键专家、合作伙伴和持份者参加。会议的第二天，陈教授发表了题为“下一步和新领域：新兴的社会科学研究优先领域”的演讲。



Academic Paper 学术论文

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- 10 Hung KKC, Walline HK, Chan EYY, Huang Z, Lo ESK, Yeoh EK, Graham CA. Health service utilization in Hong Kong during the COVID-19 pandemic – a cross-sectional public survey. *Int J Health Policy Manag.* 2020.doi:10.34172/IJHPM.2020.183
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项目
Project

3

Ethnic Minority Health Project (EMHP)

Background

China is one of the countries most affected by natural hazards and its rural population faces the highest natural-disaster risk. These rural communities are often characterised by being ethnic minority-based, living in relative poverty and lacking technical “knowhow” and resources for disaster preparedness, making them more vulnerable to various types of disaster.

Objectives

Ethnic Minority Health Project has five major objectives:

- To understand vulnerabilities and empower communities in rural and remote settings to prepare and mitigate the adverse impact of natural disasters;
- To bring science to the people by adapting technical “know-how” developed in academic settings to concrete practice in the field;
- To develop health and research workforce for rural and remote communities by offering practice and field-based trainings;
- To raise global awareness of issues related to disaster impact and preparedness among remote communities in developing countries; and
- To document empirical findings to support future research and programme development of related intervention for other rural, community-based health projects.

Besides improving the health outcomes of the people during disasters, the project model could also serve as an example for similar projects that support public health programmes in rural settings and attempt to harness efforts to mitigate the adverse disaster impact in China.

Selecting an appropriate site is the first step in each village studied, followed by three main phases, namely needs assessment, health intervention and impact evaluation. Time in-between visits ranges from three months to one year.

Project Structure and Project Cycle

- Phase 0: Site Selection
- Phase 1: Needs Assessment
- Phase 2: Health Intervention
- Phase 3: Impact Evaluation

少数民族健康计划

项目背景

中国是全球最受天灾威胁的国家，其中的农村人口面对最高的自然灾害风险。这些社群常常为少数民族聚居、相对贫困、并缺乏足够的防灾准备技能和资源。

项目宗旨

少数民族健康计划有以下五个主要目标：

- 了解贫困及偏远的农村的脆弱性并为当地社区赋权，以应对及减轻灾害造成的负面影响；
- 把科学知识带给民众，将学术界研究出的专门技术转化为可应用到社区里的实际行动；
- 为偏远农村地区培养卫生和科研人才，为他们提供实地培训；
- 就发展中国家偏远地区灾害影响和灾害准备相关的议题，提高国际社会对的关注；以及
- 总结农村社区为本健康项目的实证研究结果，以进一步发展相关的健康推广活动研究和项目。

计划除了能改善当地居民在灾害中的健康状况外，还可以作为类似的农村公共卫生项目的蓝本，以集合力量，缓和灾害对中国的负面影响。

每项村落研究均由选址开始，其后三个主要阶段包括需求评估、健康推广及成效评估。而两个阶段的走访之间相隔三个月至一年不等。

项目架构和项目周期

- 准备阶段：选址
- 第一阶段：需求评估
- 第二阶段：健康推广
- 第三阶段：成效评估





Postgraduate Research Projects Completed (2017-2021)* 已完成的研究生研究项目(2017-2021)*

Name 姓名	Project Title 项目名称	Project Site 项目选址	Year of Completion 完成年份
Oi Ting Shirley CHEUNG 张霏婷	Evaluation of Intervention Effectiveness of Disaster Preparedness Bags for Health Risk Reduction in Nepal: The Case of and Earthquake-Prone Village in Sindhupalchok (Pre-Post Impact Evaluation)	Bahunepati Village, Sindhupalchok, Nepal	2018
Sangay ZAM	Evaluation of the Effectiveness of Menstrual Health and Hygiene Programme in Nepal (Pre-Post Intervention Evaluation)	Bahunepati Village, Sindhupalchok, Nepal	2018
Julia Lok Tung YEUNG 杨乐彤	Water Separation in Shaanxi, China: An Application of the Theory of Planned Behaviour	Zulong Town, Ankang City, Shaanxi Province, China 中国陕西省安康市佐龙镇	2018
Sunji KIM 金孙吉	Identifying Patterns of Water and Handwashing Practice and Promoting Handwashing with the Theory of Planned Behaviour in Rural Communities	Dacao Village, Yingchengzi Township, Yitong Manchu Autonomous County, Siping City, Jilin Province, China 中国吉林省四平市伊通满族自治县营城子镇打草村	2019
Qiuyan KIM 金秋妍	A Cross-sectional Study on Causes of Indoor Air Pollution and Socio-demographic Predictors in Dacao Village, Jilin Province, Northeastern China	Dacao Village, Yingchengzi Township, Yitong Manchu Autonomous County, Siping City, Jilin Province, China 中国吉林省四平市伊通满族自治县营城子镇打草村	2019

* Since the establishment of the programme in 2009, 27 postgraduate research projects have been completed.

*自该项目2009年成立以来，完成的研究生研究计划已达27项。



Completed Sites

This programme started in 2009, completing 17 sites, serving 17 ethnic minorities and reaching more than 18,000 villagers. From August 2017 to July 2019, two villages have completed the whole project cycle, from site selection, needs assessment, health intervention to impact evaluation, namely: Liguang Village in Yunnan Province and Dacao Village in Jilin Province.

Specific health education and impact evaluation activities focusing on health concerns identified earlier were carried out by the team during the intervention and evaluation trips. Pre- and post-intervention surveys were used to determine the effectiveness of the education programmes in raising the awareness and knowledge in the two villages.

Liguang Village

- *Geographic location* - Liguang Village, Liming Township, Yulong County, Lijiang City, Yunnan Province
- *Ethnic minority / Proportion among local population* - Lisu / 100%
- *Common disaster* - Landslide / mudslide / fire
- *Total village population* - 1,378
- *Date of completion* - June 2018
- *Public health foci*
 - Waste management
 - Older people care
 - Diarrhoea and Preparing Oral Rehydration Solution
 - Dental health

Dacao Village

- *Geographic location* - Dacao Village, Yingchengzi Township, Yitong Manchu Autonomous County, Siping City, Jilin Province
- *Ethnic minority / Proportion among local population* - Manchu / 85%
- *Common disaster* - Flooding
- *Total village population* - 1,551
- *Date of completion* - March 2019
- *Public health foci*
 - Diarrhoea and preparing Oral Rehydration Solution
 - Prevention of non-communicable diseases
 - Indoor waste burning

Ongoing Site

Xiuxi Village

- *Geographic location* - Xiuxi Village, Puxi Township, Li County, Ngawa Tibetan and Qiang Autonomous Prefecture, Sichuan Province, China
- *Ethnic minority / Proportion of a specific minority among the local population* - Qiang / 100%
- *Common natural disasters* - Earthquake, landslides
- *Total population in village* - 290
- *Public health foci*
 - Waste management
 - Diarrhoea and Preparing Oral Rehydration Solution
 - Alcohol Consumption
 - Smoking
 - Prevention of non-communicable diseases

Health Needs Assessment and Health Intervention Trip

Xiuxi Village is one of the Qiang villages that experienced the Wenchuan earthquake in 2008 despite it did not cause any deaths. A team of 49 trainees and trainers conducted health needs survey and health intervention in June 2019.



已完成的项目点

这个始自2009年的项目，已在17座村庄里完成了工作，服务了17个少数民族，接触了超过18,000位村民。从2017年8月至2019年7月，团队再在两处村落完成从选址、需求评估、健康推广以至成效评估的项目周期，它们分别是云南省的黎光村和吉林省的打草村。

在每个村的第二和第三阶段走访中，CCOUC团队针对早前发现的健康问题开展了特定的健康教育和成效评估活动，并采用干预前和干预后的问卷调查来确定健康教育在提高两个村庄的意识和知识方面的有效性。

黎光村

- 地理位置 - 云南省丽江市玉龙县黎明乡黎光村
- 少数民族占人口比例 - 傈僳 / 100%
- 常见灾害 - 山泥倾泻、泥石流、火灾
- 总人口 - 1,378
- 项目完成日期 - 2018年6月
- 公共卫生议题 - 垃圾管理
- 老人照顾
- 腹泻和制作口服补液盐溶液
- 牙齿健康

打草村

- 地理位置 - 吉林省四平市伊通满族自治县营城镇打草村
- 少数民族占人口比例 - 满族 / 85%
- 常见灾害 - 水灾
- 总人口 - 1,551
- 项目完成日期 - 2019年3月
- 公共卫生议题 - 腹泻和制作口服补液盐溶液
- 预防非传染性疾病
- 室内垃圾焚烧

工作中的项目点

休溪村

- 地理位置 - 四川省阿坝藏族羌族自治州理县蒲溪乡休溪村
- 少数民族占人口比例 - 羌族 / 100%
- 常见灾害 - 地震、山体滑坡
- 总人口 - 290
- 公共卫生议题 - 垃圾管理
- 腹泻和制作口服补液盐溶液
- 酗酒
- 吸烟
- 预防非传染性疾病

健康需求评估及健康推广

休溪村是2008年经历汶川地震的羌族村庄之一，尽管地震没有造成人员死亡。是次行程在2019年6月举行，共有49学员和培训者参与，进行问卷调查和健康推广活动。





Ethnic Minority Health Project, China

17 ethnic minority groups;
10 provinces; 27 villages visited;
17 project villages; around 700 students, staff, practitioners trained;
>18,000 villagers reached

中国少数民族健康计划
17个少数民族；10个省份；
27座村庄；17个项目点；
约700名师生和从业人员接受培训；
接触超过18,000位村民

Qiang
羌

Manchu
满

Yi
彝

Naxi
纳西

Mongolian
蒙古

Korean
朝鲜

Bulang (Kunge)
布朗(昆格)

Tibetan
藏

Jingpo
景颇

Achang
阿昌

Hui
回

Zhuang
壮

Lisu
傈僳

Miao
苗

Dai
傣

Dong
侗







村落	民族	灾害
1 马鞍桥村 四川省	傣族及彝族	地震、水灾
2 大滩村 甘肃省	回族	地震、水灾、暴风雪
3 马岔村 甘肃省	汉族	旱灾
4 高友村和弄团村 广西省	侗族	火灾
5 红岩村 四川省	彝族	水灾
6 党政村 甘肃省	汉族	水灾、泥石流
7 拐村 云南省	壮族	旱灾、落石
8 星光村 重庆直辖市	苗族	地震、泥石流
9 南江村 贵州省	侗族	火灾
10 尔麦村 青海省	藏族	地震、雹暴、暴风雪
11 曼蚌汤村 云南省	布朗族(昆格族)	旱灾、水灾、泥石流、大象踩踏、台风
12 黑河村 云南省	傣族、景颇族、傈僳族	地震、水灾、泥石流、暴雨
13 岂扒村 贵州省	侗族	火灾
14 打草村 吉林省	满族	水灾
15 黎光村 云南省	傈僳族	泥石流、火灾
16 休溪村 四川省	羌族	地震、泥石流

到访村落

Village	Ethnicity	Disaster
1 Ma'anqiao Village - Sichuan Province	Dai, Yi	Earthquake, Flooding
2 Datan Village - Gansu Province	Hui	Earthquake, Flooding, Snowstorm
3 Macha Village - Gansu Province	Han	Drought
4 Gaoyou Village and Nongtuan Village - Gansu Province	Dong	Fire
5 Hongyan Village - Sichuan Province	Yi	Flooding
6 Dangzheng Village - Gansu Province	Han	Flooding, Landslide
7 Guai Village - Yunnan Province	Zhuang	Drought, Stone struck
8 Xingguang Village	Miao	Earthquake, Landslide
9 Nanjiang Village - Guizhou Province	Dong	Fire
10 Gamai Village - Qinghai Province	Tibetan	Earthquake, Hailstorm, Snowstorm
11 Manbangtang Village - Yunnan Province	Bulang (Kunge)	Drought, Flooding, Landslide, Stampeding Elephant, Typhoon
12 Heihe Village - Yunnan Province	Dai, Jingpo, Lisu	Earthquake, Flooding, Landslide, Rainstorm
13 Bapa Village - Guizhou Province	Dong	Fire
14 Dacao Village - Jilin Province	Manchu	Flooding
15 Liguang Village - Yunnan Province	Lisu	Landslide, Fire
16 Xiuxi Village - Sichuan Province	Qiang	Earthquake, Landslide

Project sites visited



China: Ten Thousand People's Scheme

Supported by State Ministry of Education (MOE) Ten Thousand Student Interflow Programme, a team of 15 staff members and students was deployed to Xi'an of Shaanxi Province, China in March 2018 to participate in the "Community Working Camp for University Students" co-organized by CCOUC and Xi'an Jiaotong University. The trip aimed to promote exchanges between students from Hong Kong and Mainland China and enhance the theoretical and practical capacity of students in working for the communities.

During the 6-day trip, the team gained an understanding of Xi'an's history and an insight into the public health status of the city's residents. To enhance the academic exchange between Xi'an and Hong Kong, CCOUC staff members presented the Sphere Standard and the challenges of promoting nutrition and health in Hong Kong in the one-day lecture. The team then conducted a two-day household health needs assessment and health promotion activities in Tayuan Village, Zuolong Township, Ankang City of Shaanxi Province. Health messages focusing on the preparation of home-made Oral Rehydration Solution (ORS), waste management and healthy diet were delivered to over 500 villagers to raise their awareness and knowledge.

中国：香港与内地高校师生交流计划（万人计划）

在国家教育部万名学生互助计划的支持下，2018年3月，由15人组成的团队前往西安参与CCOUC和西安交通大学合办的“大学生社区工作营”。该次访问旨在促进香港和内地学生之间的交流，提高开展社区工作所需的理论和实际能力。

为期六日的访问中，团队了解到西安的历史，并认识到居民的公共卫生状况。为加强西安和香港学生之间的学术交流，CCOUC的导师以《环球计划——人道主义宪章与人道救援响应最低标准》和推广营养健康的挑战(以香港为例)为题讲授了一天的课。随后，团队在陕西省安康市佐龙镇进行了两天的家居健康需求评估和健康推广活动。团队向超过500名村民宣传有关自制口服补液盐溶液、垃圾管理和健康饮食的信息，提高他们对健康行为的意识和知识。





Special Topic

Project Impact Evaluation: Ma'an Qiao Village Revisited

Ma'an Qiao Village in Panzhihua, Sichuan Province of China has demonstrated the sustained efforts in improving the health emergency disaster risk management (Health-EDRM) for the past decade. The village was one of the most severely devastated locations during the 2008 Panzhihua earthquake. CCOUC subsequently deployed several health needs assessment and intervention teams to improve the local disaster risk management capacity between 2009 and 2011. Pre- and post-intervention questionnaires were administered and results showed that the interventions had enhanced villagers' public health- and disaster-related knowledge.

Seven years later in January 2018, in response to the upcoming demolition and resettlement of the village, CCOUC deployed a team of 15 to re-visit the site and carry out several key activities including household surveys, focus group interviews, health interventions and photography documentation. One of the major objectives of this trip is to evaluate the long-term knowledge retention of the previous health promotion and disaster risk education held in 2010 and 2011. Through conducting surveys, changes of the study population between 2011 and 2018 were captured, and the disaster preparedness awareness of the study population was accessed.

Despite findings indicating a decline in related knowledge since interventions were held in 2011, the level of villagers' related knowledge was still higher than the pre-intervention phase. The findings were encouraging and had proved the significance of Health-EDRM interventions in not only improving the immediate knowledge but also exhibiting temporal stability over seven years. Findings also highlighted issues of changing health risks and needs of the village with the increase in education opportunities, income and access to processed food, as well as other aspects of modernization.

专题

项目影响评估：重访马鞍桥村

过去十年间，四川省攀枝花市马鞍桥村的变化充分展示了CCOUC在灾害健康风险管理方面所作出的努力。马鞍桥村是2008年攀枝花地震中受灾最严重的地区之一。CCOUC在2009年至2011年间部署了若干健康需求评估和健康教育活动，以提升当地的灾害风险管理能力。团队在健康教育活动前后进行了问卷调查，结果显示活动提升了村民的公共卫生和灾害相关的知识。

七年后即2018年，因村庄拆迁和重置问题，CCOUC 1月派出了15人的团队重访该村进行了入户调查、焦点小组访问、健康教育讲座和照片拍摄记录等活动。该次考察团旨在透过问卷调查，评估2010和2011年举办的健康宣传和灾害风险教育成效。通过调查，团队了解到村民在2011至2018年期间在灾害风险管理上的转变，并评估了他们的备灾意识。

尽管调查结果显示自2011年进行教育以来，村民的备灾相关知识水平有所下降，但仍高于教育前的水平。研究结果令人鼓舞，并证明了灾害健康风险管理教育不仅在授课的当下提升了村民的相关知识水平，其影响更能持续七年之久。研究结果亦强调随着村民教育机会和收入提高，以及更容易获得加工食品和其它现代化产物，农村的健康风险和需求也出现了改变。



Technology and Empowerment: Scaling up of Community Skills in Health Emergency Disaster Risk Management in Rural China (TES-HEDRM)

With the technological advancement, more people living in rural or far-flung communities could be reached so that their health literacy could also be enhanced. According to national statistics in China, as of December 2018, the number of rural netizens reached 222 million (26.7% of all netizens), with an increase of 12.91 million compared with that at the end of 2017 (i.e. an annual growth rate of 6.2%). Meanwhile, the number of Chinese mobile online education users has also increased steadily. The rapid popularization of smart mobile devices and the development of internet have provided more opportunities for online health education. Supported by Kadoorie Charitable Foundation, CCOUC hence developed the “Technology and Empowerment: Scaling up of Community Skills in Health, Emergency Disaster Risk Management in Resource Deficit Environment” to seize this opportunity.

To outreach to remote and rural ethnic minority communities in China, animated videos on health emergency and disaster risk management (Health-EDRM) such as the preparation of home-made oral rehydration solution (ORS) for the alleviation of symptoms of diarrhoea, the prevention of both communicable and non-communicable diseases, as well as some eminent challenges like the prevention of household injuries, waste management, indoor air pollution and food and medicine safety will be produced. These videos in different dialects of selected ethnic minority groups have been uploaded onto various online platforms, with an aim to empower the impoverished communities with skills to reduce the health-related risk arising from emergencies or disasters.

技术与赋权：提高中国农村卫生灾害健康风险管理的社区技能

信息技术的进步拉近了生活在农村或偏远社区的村民与健康知识的距离。据中国官方统计，截至2018年12月，中国农村网民数量达到2.22亿(占网民总数的26.7%)，比2017年末增加1291万(年度增长率:6.2%)。同时，中国在线教育平台移动客户端用户持续上升。智能设备的快速普及和移动互联网的发展为在线教育带来了更多机会。在嘉道理慈善基金会的支持下，CCOUC开发的“技术与赋权:提高中国农村卫生灾害健康风险管理的社区技能”计划就是其中一例子。

为了把灾害健康风险管理信息和技能推广至中国偏远和农村少数民族社区，CCOUC制作了与之相关的动画视频，例如自制口服补液盐溶液以减轻腹泻症状、预防传染病和非传染病，以及预防家居意外、垃圾管理、室内空气污染、食物和药物安全等。这些视频都已配上特定的少数民族方言，上传到多个在线平台，减少居民面对因紧急状况或灾害引起的健康风险。

Rural Communities in Transition

Urbanization revolves around themes such as the development of transitional towns or small cities, the population agglomeration, the expansion of infrastructure and public services to rural areas as well as the non-agricultural industries. These pose a series of health-related risks such as household injuries, improper waste management, pollution and disasters, and exert an increasing pressure on the health emergency and disaster risk management (Health-EDRM) system.

CCOUC recognizes the importance of reducing the risks emerged; our team has thus commenced relevant health education programmes in the transitional communities such as Liguang Village in Liming Township of Lijiang City, Yunnan Province of China to reduce the risks faced by various vulnerable groups and strengthen their capacities of disaster resilience and recovery.

Liguang Village has developed into a tourist attraction, the Laojun Mountain National Geopark, with the financial support from the local government. It aims to transit the village from an agriculture-oriented community to an eco-tourism spot with its Danxia landform, a unique landscape found in southeast, southwest and northwest China.

As observed by the assessment team in February 2018, its township was packed with newly-built inns and roads, which imitated an ancient city. Public toilets had been built and recycling bins set up to support the development of tourism. In addition to the infrastructure, many local young villagers were also employed at tourist facilities such as restaurants and ticket offices. Nevertheless, despite the aspiration of becoming an eco-tourism hotspot, villagers revealed that tourism had aroused some health concerns among themselves. A CCOUC intervention team of 27 thus conducted a household survey in Liguang Village to understand the challenges encountered by this transitional community. It was found that public health concerns were arisen from improper management of waste and sanitation facilities.

Health educational programmes for local primary school students and villagers were organized in the village to enhance their awareness of proper waste management. The team highlighted the health risks induced by improper methods and encouraged centralized waste management as well as the classification of combustible and non-combustible waste. Waste management has been a pressing issue not only in Liguang Village but also some other transitional communities. For instance, in Dacao Village of Yitong Manchu Autonomous County in Jilin Province, CCOUC identified that villagers and children had little understanding and awareness of proper waste management, especially regarding the treatment of plastic waste and health risks of indoor waste burning. In June 2019, another 50-strong team was sent to Xiuxi Village of Ngawa Tibetan and Qiang Autonomous Prefecture in Sichuan Province to investigate the waste management practices. During the household interviews, the villagers admitted that more household waste was created than 10 years ago. Waste burning was common in the community and more alarmingly, combustion was normally taken place near the farmland, which could lead to contamination of the crops. The intervention activities conducted by the team in both villages had inspired the local officials to improve the waste management such as waste classification and recycling in the coming years. Aside from waste management, there was a shift in dietary patterns due to the changes in lifestyles, increased consumption of processed food and rapid urbanization in these transitional communities.

Taking this into account, the CCOUC team also organized interventions in Dacao Village with topics of the relationship between hypertension and high-salt intake, as well as prevention of cardiovascular diseases through having a balanced diet. In Xiuxi Village, the team emphasized the concept of food safety and promoted the prevention of non-communicable diseases through balanced diet and exercise.

过渡期中的农村

过渡性城镇或小型城市的发展、人口聚集、基础设施和公共服务扩展至农村社区，以及非农业产业等议题，均与城市化息息相关。随着社会发展，城市化为过渡性社区带来一系列与健康有关的风险，例如家居意外、垃圾管理不当、污染和灾害，并增加健康灾害风险管理系统的压力。

CCOUC深明减低箇中风险的重要性；因此，团队在过渡性社区如云南省丽江市黎明乡黎光村等开展相关的健康教育项目，以减低社区各类脆弱人群面对的风险，并加强他们的应变和复原能力。

位于云南省的黎光村在当地政府的财政支持下，发展成为一个旅游景点——老君山国家地质公园。当地政府旨在利用其丹霞地貌（只出现在中国东南部、西南部和西北部的独特景观），将该社区从农业主导发展成生态旅游景点。

2018年2月，CCOUC评估团队到访黎明乡，观察到当地已布满新建的旅馆和模仿古城的道路。为了促进旅游业发展，不但建造了公共厕所，更增添了垃圾回收箱。除了基础设施的建设，当地许多年轻村民也就职于旅游区内，如餐厅和售票处等。然而，尽管政府有意发展该乡成生态旅游热点，村民却反映旅游业的发展为当地带来不少影响健康的问题。CCOUC一行27人的团队因此到访该社区，并进行了一系列的入户调查，以了解这个过渡性社区遇到的挑战。调查结果显示，垃圾和卫生设施的管理不当是当地多项公共卫生问题的源头。

在黎光村，团队为当地小学生和村民举行了健康教育计划，以提高社区对正确垃圾管理的意识。团队强调不当措施造成的健康风险，并鼓励当地进行集中垃圾管理以及垃圾（可燃烧和不可燃烧）分类。除了黎光村外，垃圾管理在其它过渡性社区，例如吉林省伊通满族自治州打草村，同样也是迫切的问题。CCOUC团队发现当地的村民和儿童对垃圾管理，特别是在处理塑料垃圾的和室内燃烧的健康风险方面缺乏了解和意识。2019年6月，另一个50人团队前往位于四川省阿坝藏族羌族自治州的休溪村，调查当地的垃圾管理方法。入户调查期间，村民承认相比十年前，村内制造了更多家居垃圾。燃烧垃圾在社区尤为常见，更令人担忧的是，村民通常在农田附近燃烧垃圾，有可能污染农作物。团队在打草村和休溪村均进行了健康教育活动，并启发了当地官员在未来几年改善现况，包括进行垃圾分类和回收。除了垃圾管理外，生活方式的改变、加工食品的需求增加以及过渡性社区的急速城市化，也使村民的饮食模式产生了变化。

考虑到这个健康议题，CCOUC团队在打草村举办了以“高血压和高盐摄入的关系”和“均衡饮食，预防心血管疾病”为题的教育活动。团队在休溪村则强调食物安全的概念，并提及透过均衡饮食和运动预防减少患上非传染病的风险。



Community Health Outreach to Build Disaster Resilience

CCOUC, together with its partner CUHK Centre for Global Health, GX Foundation and Hong Kong Sheng Kung Hui Western District Elderly Community Centre conducted a 2021 Hong Kong Community Health Outreach and Facemask Distribution Project cum CCOUC Urban Health-EDRM Fieldwork from 11 to 13 August 2021, involving the participation of CUHK medical students (including GPS students), other CUHK Faculty of Medicine students and alumni, medical students from University of Hong Kong Faculty of Medicine and other volunteers. In addition to providing experiential learning and survey research opportunities to students, there were also community service elements including facemask distribution, medical check-up for older people, and disaster preparedness bag education, which could benefit the health and wellbeing of vulnerable, older populations in Western District of Hong Kong Island, especially in the context of the current COVID-19 pandemic. This constituted CCOUC's fieldtrip for the year 2020-2021 and CCOUC's contribution to celebrate the 40th Anniversary of CUHK Faculty of Medicine as part of its Outreach Community Service Programme.

社区健康外展活动以建立抗灾力

2021年8月11日至13日，CCOUC与合作伙伴香港中文大学（中大）全球卫生中心、共享基金会和香港圣公会西环长者综合服务中心，进行了2021年香港社区健康外展和口罩派发活动暨CCOUC城市灾害健康管理实地教研，参加者包括中大医学生（包括环球医学领袖培训专修组别学生）、其他中大医学院学生和校友、香港大学医学院的医学生和其他志愿者。除了为学生提供体验式学习和调查研究机会外，活动还有社区服务元素，包括派发口罩、老年人体检和备灾袋教育，有助于提升香港岛西区弱势老年人口的健康和福祉，尤其在当前COVID-19大流行的情况下。这次活动除了是CCOUC 2020-2021年度的实地教研项目外，也是庆祝中大医学院40周年的外展社区服务计划的一部分。



Global Humanitarian Programme

Kingdom of Bhutan: Hong Kong – Bhutan Humanitarian Medicine Training and Exchange Programme

With the support of Chow Tai Fook Charity Foundation, CCOUC launched the “Hong Kong-Bhutan Humanitarian Medicine Training and Exchange Programme” from January 2016 to August 2018.

Throughout the programme, collaborations with the Ministry of Health and the Ministry of Home and Cultural Affairs of the Royal Government of Bhutan as well as the only medical university, Khesar Gylapo University of Medical Sciences of Bhutan (KGUMSB), have been established. These paved the way for the local capacity building activities such as the lecture on strengthening the public health and health disaster emergency risk management capacity for over 800 local academics and students of the KGUMSB and Ugyen Academy, the only international college of the country.

The highlight of this programme is to build up local capacity through training practitioners. Ten Bhutanese fellows were supported to attend the summer courses “Disaster and Humanitarian Crisis” and “Climate Change and Health”. Two Bhutanese professionals, Dr Namgay Rinchen, the medical officer in-charge in a district hospital in Bhutan, and Ms Sangay Zam, an Assistant Lecturer at KGUMSB, were supported to attend the full-time Master of Public Health (MPH) programme at The Chinese University of Hong Kong in the academic year 2017/18. Throughout the one-year programme, two of them not only attended courses of the MPH programme, but also delivered presentations in various seminars and conferences. Upon completion of the MPH programme in July 2018, they resumed their original duties in clinical and academic fields in Bhutan. They applied their learning experience and contributed to their country by adapting the knowledge gained from the health system management and response module to establish a safer hospital as well as spread the importance of public health and raise the awareness of disaster risk management in their communities through education. Ms Sangay Zam was appointed the focal point for developing and launching disaster management and contingency plan in her university. She was glad that she could help strengthen the disaster management system in Bhutan.

To promote exchange between Bhutan and Hong Kong, three sharing sessions “Bhutan–A Kingdom of Happiness and Disasters”, “Bhutan–Health Actions in Disaster Response” and “Bhutan–Aggravated Disaster Risk along with Development” were delivered by the Bhutanese fellows, which were attended by more than 180 students and academics of CUHK.

全球人道项目

不丹王国：香港·不丹人道医疗培训交流计划

在周大福慈善基金会资助下，CCOUC在2016年1月至2018年8月期间推行了“香港·不丹人道医疗培训交流计划”。

计划期间，CCOUC与不丹多个政府部门(包括卫生部和民政及文化事务部)，以及唯一的医科大学——凯萨尔国王不丹医科大学建立了合作关系。这些合作关系为CCOUC在当地向不丹唯一的国际中学——不丹乌颜学院和凯萨尔国王不丹医科大学的800多名当地学者和学生举办的能力增强活动(例如关于加强公共卫生和健康灾害紧急风险管理能力的讲座)铺平了道路。

“香港·不丹人道医疗培训交流计划”的重点在于透过培训从业人员提升不丹当地的能力。自2016年起，周大福慈善基金会共赞助了10名不丹学人修读“灾害与人道危机”和“气候变化与健康”暑期课程，更为两名不丹专业人士，包括不丹地区医院主管医生Namgay Rinchen医生和凯萨尔国王不丹医科大学助理教授Sangay Zam女士，提供了来港修读香港中文大学2017至18年度全日制公共卫生硕士课程的机会。一年的硕士课程期间，他们不但参与了有关该硕士课程的课堂，更在不同的研讨会和会议上进行了演讲。修毕课程后，他们回到自己在不丹医疗和教育领域上的岗位，在不丹应用来港学习的经验，贡献国家。一方面，透过运用卫生系统管理和响应课程中的知识，建立更安全的医院；另一方面，通过教育传播公共卫生的重要性，提高社区灾害风险管理的意识。Sangay Zam女士更在她所在的大学里被任命为制订和启动灾害管理和应急计划的重点人物。对于能够帮助加强不丹的灾害管理系统，Sangay Zam女士感到很高兴。

为促进不丹和香港的交流，CCOUC共举办了三场交流讲座，题为“不丹:快乐与灾害的国度”、“不丹:灾害救援卫生行动”以及“不丹:发展与灾害风险恶化的关系”，为不丹讲者和超过180名香港中文大学师生提供交流的机会。





Democratic People's Republic of Korea (DPRK)

CCOUC conducted the first training entitled Health and Emergency Disaster Risk Management (H-EDRM) for the healthcare and disaster relief practitioners of the two farms in Sinuiju, North Pyongan Province of the Democratic People's Republic of Korea (DPRK) from 12 to 13 March 2018.

It has been the second time the team visiting Susong Farm in Sinuiju since 2016. The purpose of this trip is to conduct training for frontline practitioners based on the needs identified previously and concerns from the local counterparts. In March 2018, the team revisited Susong Farm and deployed the training on Health-EDRM for the 25 medical practitioners including village doctors and nurses, teachers of the local school and farm committee members of the Susong Farm and Ryonghung Farm. CCOUC team first introduced the Sphere standards, which outline sets of common principles and minimum standards in life-saving areas of humanitarian response. Messages on the prevention of hypertension such as less salt intake, less alcohol consumption and cessation of smoking were also disseminated. Lastly, in view of the prevalence of diarrhoea, the making of oral rehydration solution (ORS) was demonstrated. To enhance the learning effect, the disaster preparedness kits that contain dynamo torches, whistles, emergency blankets, water containers and soaps were distributed amongst the audience after the training and were also sent to the 492 households in Susong Farm within weeks after the training. Immediately after the Sphere standard training, a separate session for the medical practitioners in the two farms was also conducted to review the use of first-aid and medical equipment as well as the management of medicine.

朝鲜民主主义人民共和国

CCOUC于2018年3月12至13日到访朝鲜平安北道新义州，为遂成里和龙兴里从事健康卫生和救灾的人员举办了灾害健康风险管理首次培训。

本次活动是CCOUC团队自2016年起第二次到访新义州遂成里，旨在为前线人员举办建基于之前的需求评估和当地持分者关注议题的培训。2018年3月，团队再次到访遂成里并向遂成里和龙兴里的25名成员包括医护人员如村医和护士、当地学校老师以及里委员会提供灾害健康风险管理的训练。CCOUC团队先向他们介绍环球计划，概述了人道主义行动的基本原则和最低标准，然后传播了预防高血压的讯息，如减少食盐摄入、减少饮酒和戒烟。有见腹泻在当地肆虐，团队亦示范了自制口服补液盐溶液的方法。为了增强学习效果，团队不但派发了装有手电筒、口哨、急救毯、水瓶和肥皂的备灾袋给参与者，同时亦分送到遂成里的492户家庭。除此以外，CCOUC团队更为当地的医护人员开设了一个有关急救及医疗器材用法和药物管理的讲座。

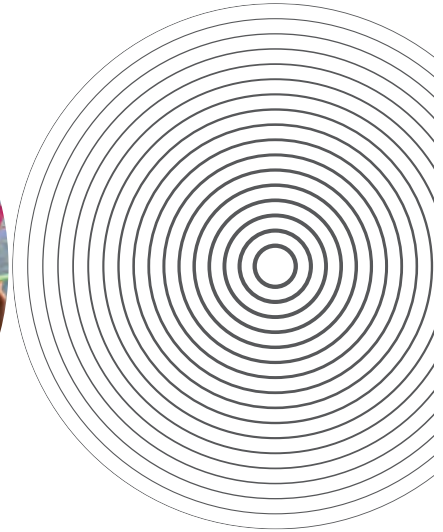
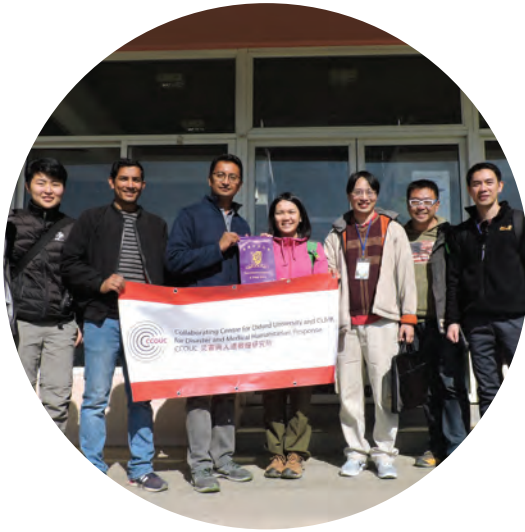


Republic of the Union of Myanmar

CCOUC team visited Yangon and Naypyidaw of Myanmar in August 2017 to explore potential educational, research and knowledge transfer collaborations with the local government units, academic institutions and non-governmental organizations. The team held a public health training session at the University of Public Health, Yangon and met with various government units to identify potential field-based training sites and the feasibility of strengthening Health Emergency and Disaster Risk Management (Health-EDRM) programmes in the country.

缅甸联邦共和国

CCOUC团队在2017年8月到访缅甸仰光和内比都，与当地政府部门、教育机构和非政府组织探索潜力的教育、研究和知识转移合作单位。团队在仰光公共卫生大学举办公共卫生培训讲座后，与当地不同的政府部门见面，发掘有潜力的实地培训项目地点和评估该国强化灾害健康风险管理课程的可行性。



Federal Democratic Republic of Nepal: Disaster Response Capacity Building in Post-earthquake Nepal

After two devastating magnitude 7.8 and 7.3 earthquakes struck Nepal in 2015, CCOUC has held four training trips to those earthquake-affected areas. The objectives of these trips are to train future health practitioners on health emergency and disaster risk management (Health-EDRM) and enhance the community resilience towards disaster through a series of disaster risk reduction and preparedness education delivered by the trainees.

In January 2018, a team of 23 trainees and trainers visited Bahunepati Village in Sindhupalchok, Nepal, which was severely affected by the earthquakes in 2015. The team did not only conduct household survey to investigate if the health needs had been met during the recovery phase, but also organized a health intervention based on the major health concerns amongst the villagers. These include menstrual health hygiene for female, as well as the preparation of Oral Rehydration Solution and disaster emergency kits. Trainees also had opportunities visiting various NGOs and medical organisations. Through interacting with frontline humanitarian and medical practitioners, trainees had a deeper understanding of disaster preparedness and response as well as public health conditions and challenges in Nepal.

To evaluate the impact of health intervention activities held in 2018 and further strengthen the community capacity on public health and disaster preparedness, CCOUC deployed a team of 22 to re-visit Bahunepati Village in January 2019. Through household survey, the team found not only the awareness of preparing and carrying disaster preparedness kit before and during disasters remained high, but also menstrual health knowledge among female villagers was sustained. In view of the local proneness to disasters, the team decided to conduct health intervention on landslide self-protection. Besides, proper waste management was reinforced amongst local villagers because the team observed the deteriorating situation in the previous trip.

Thanks to the consecutive support of local stakeholders such as Dhulikhel Hospital and National Society for Earthquake Technology (NSET) that have provided trainees with opportunities to learn more about the local emergency relief and recovery efforts, especially in the post-disaster phase in Nepal, as well as the measures they have taken to build up the local capacity towards disasters. These allow the trainees to gain valuable insights into the proactive and sustainable solutions in reducing risks and casualties during disasters.

尼泊尔联邦民主共和国: 提升尼泊尔震后的灾害应变能力

尼泊尔在2015年分别受到7.8级及7.3级强烈地震的侵袭。自此, CCOUC在受灾地区共举办了四次培训旅程, 旨在培训未来的卫生从业人员的健康应急和灾害风险管理, 并通过一系列的减灾风险和备灾教育提高社区应对灾害的能力。

2018年1月期间, 包含学员和培训者在内的23人团队到访三年前受地震严重影响的辛杜帕尔乔克县Bahunepati村庄。团队不仅进行了入户问卷调查, 调查该处的健康需求在灾后恢复阶段是否达标, 团队更组织了基于当地村民的主要健康问题的健康干预活动, 题目包括女性的月经健康卫生知识、自制口服补液盐溶液的方法和备灾袋的内容。是次旅程, 学员亦获得与不同非政府组织和医疗机构的前线人道或医疗从业员的互动机会, 从而更深入了解尼泊尔的备灾、应灾以及公共卫生条件和挑战。

2019年1月, CCOUC调配了22人的团队再次到访Bahunepati村庄, 以评估2018年举行的健康干预活动成效并进一步加强该社区的公共卫生和备灾能力。透过问卷调查, 团队发现村民对于灾前准备和灾害期间携带备灾袋的意识仍高, 女性的月经健康知识亦得到维持。鉴于当地容易受灾害影响, 团队进行了有关山泥倾泻发生时的自我保护教育。同时, 向当地村民加强正确的垃圾管理等知识。

感谢当地持份者的支持, 如杜利克尔医院和尼泊尔国家地震技术学会交流, 学员深入了解到当地救灾和灾后恢复阶段方面的工作, 以及当地为增强灾害应变能力而进行的措施。这使学员获得有关减少在灾害风险和伤亡方面主动并可持续解决方案的宝贵见解。

研究与出版
Research and Publication

4

Research Themes

研究主题

A Health-Emergency and Disaster Risk Management (Health-EDRM)

A 灾害健康风险管理(Health-EDRM)

1 Asian Rural Health-EDRM

- **Aims:** To review scientific evidence on disasters and health emergency and disaster risk management in Asian rural-based areas.
- **Research method:** Narrative literature review
- **Main findings:** Health burden within a rural community lies with children and the older populations with limited personal and community preparedness assessments. There is a lack of scientific evidence for Health-EDRM interventions in rural areas despite vast volume of disaster literature. Health relief providers often include personnel with no previous disaster training. Disaster risk reduction interventions need to address rural-specific risks such as higher rates of respiratory illness and lower rates of literacy. There is an urgent need for evidence on the long-term health outcomes and sustainable implications of health relief programmes in rural areas. Interventions should be modified according to local and cultural context.

1 亚洲地区农村的灾害健康风险管理(Health-EDRM)

- **目的:** 回顾亚洲农村地区关于灾害健康灾害风险管理方面的科学证据。
- **研究方法:** 叙述性文献回顾
- **主要调查结果:** 农村社区的健康负担集中于儿童和老年人口,而针对这类人群的个人和社区准备的评估一直缺乏。尽管有大量关于灾害的文献,但农村地区的灾害健康风险管理的干预措施的科学证据仍然存在不足。而提供卫生救援的人士,通常是以前没有受过灾害培训的人员。因此,需要采取降低灾害风险的干预措施解决现时农村特有的健康风险,如减少较高的呼吸道疾病发病率和提升较低的识字率。现在亟需有关农村地区健康救援方案的长期健康结果和可持续影响的证据,而一些干预措施亦需根据当地的文化背景而修改。

2 Special Issues I, II, III on Health-EDRM of the International Journal of Environmental Research and Public Health (2019-2022)

- Prof Emily Chan and Dr Holly Lam were the guest editors of the special issues entitled Health-EDRM of the International Journal of Environmental Research and Public Health. The special issues published papers describing/reporting the latest disaster risks and health risk analyses, as well as interventions for health-related disaster risk management.
- Several works of the CCOUC team were accepted in these special issues, including papers on fire awareness and responses in Hong Kong, the development of health vulnerability index for the Belt and Road Initiative (in collaboration with the Institute of Mountain Hazards and Environment of China), household responses to Typhoon Manghikut in Hong Kong, and food-safety in an ethnic minority community in rural China.

2 国际环境研究与公共卫生杂志的Health-EDRM特刊 I, II, III(2019-2022)

- 陈英凝教授和林靖宇博士是国际环境研究和公共卫生期刊的特刊——Health-EDRM的客席编辑。该特刊刊登描述/报告最新灾害风险、健康风险分析,以及与健康相关的灾害风险管理的干预措施的论文。
- 特刊刊登了CCOUC团队的多项工作,包括关于消防意识和香港应对措施的论文、制订“一带一路”倡议的健康脆弱性指数的论文(与中国山地灾害与环境研究所合作)、香港家庭对台风山竹对策的论文,以及中国农村少数民族社区的食品安全的论文。

3 Collaboration with the Institute of Mountain Hazards and Environment – Disaster Risk Model in the Belt and Road Region

- **Aims:** Despite the importance of health vulnerability in disaster risk assessment, most of the existing disaster vulnerability indicators only emphasize on economic and social vulnerability instead of health. This study was to construct a disaster risk model that includes a number of key health indicators and covers the Belt and Road Initiative (BRI) region.
- **Research method:** Two-stage dimension reduction statistical method
- **Main outcomes:** The proposed final health vulnerability index included nine indicators: dependence ratio (age-population ratio of those below 15 and above 65 years old), under-5 mortality ratio, maternal mortality ratio, tuberculosis prevalence, age-standardized raised blood pressure, physician ratio, hospital bed ratio, and coverage of the measles-containing-vaccine first-dose (MCV1) and diphtheria tetanus toxoid and pertussis (DTP3) vaccines. This proposed index, which better reflects the health vulnerability in a community, may serve as a policy and implementation tool to facilitate capacity-building of Health-EDRM.

3 与中国山地灾害与环境研究所合作——“一带一路”地区灾害风险模型

- **目的:** 尽管健康脆弱性在灾害风险评估中有着重要的角色,但大多数现有的灾害脆弱性指标仅强调经济和社会的脆弱性而忽略了健康这一要素。本研究旨在建构一个灾害风险模型,其中包括一些关键的健康指标,研究地区涵盖整个“一带一路”地区。
- **研究方法:** 两阶段的降维统计方法
- **主要成果:** 所建议的最终健康脆弱性指数包括九项指标: 0-14岁或65岁或以上人口占总人口的比例、5岁以下儿童死亡率、产妇死亡率、结核病患病率、高血压年龄标准化患病率、医生比例、医院病床比例和首剂含麻疹疫苗(MCV1)和三剂次白喉破伤风类毒素和百日咳(DTP3)疫苗的覆盖率。我们建议的指数可以更好地反映社区的健康脆弱性,可以作为灾害健康风险管理能力建构和政策实施的工具。



B Environmental Health - Climate Change and Health

1 Health and Environmental Co-benefits (HEC) Behaviour

- **Aims:** To examine the knowledge and attitude on climate change and HEC behaviours, current patterns of HEC behaviours, and barriers of adopting HEC behaviours among the Hong Kong adult population.
- **Research methods:** Mixed qualitative and quantitative study
- **Main findings:** Hong Kong residents were highly aware of the general issues about climate change and its links to their health and daily living. The three most commonly practiced HEC behaviours were switching off stand-by mode of electronic appliances, waste separation, and bringing their own water containers. Females were more likely to practice HEC behaviours. Older people were more willing to practice dietary-related HEC behaviours. Most of the respondents thought promoting environmentally-friendly education was very important for future health promotion and protection interventions. Major barriers identified for adopting HEC behaviours included underlying health status, lack of relevant nutritional knowledge for diet arrangement, and logistical limitations.

2 Health Impact of Climate Change in China

- **Aims:** To review current evidence for health impacts of climate change-related extreme events (i.e. rising temperature, changing patterns of rainfall, extreme weather events, and sea-level rise) in China.
- **Research methods:** Narrative literature review
- **Main findings:** The impact of temperature on mortality was the most extensively studied outcome and the reported associations were geographically varied. Rainfall-related studies predominantly focused on impact related to infectious and vector-borne diseases; consistent associations were rare. Mental health outcomes of climate change have gained increasing attention, particularly in the context of extreme weather events. The lack of studies about the health implications of rising sea levels and on comorbidity and injury outcomes warrants immediate attention.

Environmental Health - Weather-Related Health Association

1 Typhoon Mangkhut

- **Aims:** Typhoon Mangkhut was a super typhoon which landed in Hong Kong on 16 September 2018. This study examined household preparedness, individual response and household impacts of the typhoon among the Hong Kong population.
- **Research methods:** Random digit dialing population telephone survey study
- **Main findings:** 93.9% and 74.3% of respondents reported some form of emergency preparedness and typhoon-specific preparedness measure (TSPM) against Mangkhut. Respondents who perceived their homes to be at high risk during typhoons and had practiced routine emergency preparedness measures (during non-emergency periods) were more likely to undertake TSPM. 33.4% of respondents reported some forms of impact (11.1% were household specific) by Typhoon Mangkhut. Practicing TSPM was not associated with reduction of short-term household impacts. Current preparedness measures may be insufficient to address the impact of super typhoons. The main findings and implication of this study has been published in a policy brief that was issued in March/ April 2019 to inform relevant policy planning.

B 环境健康 - 气候变化与健康

1 健康 - 环境协同效益的行为研究

- **目的:** 研究香港成年人对于气候变化和具有健康协同效益行为的知识和态度、对健康协同效益行为的采取模式, 以及采取该行为时的障碍。
- **研究方法:** 质性和量化混合研究法
- **主要调查结果:** 香港居民高度关注有关气候变化的一般信息及其与健康和生活日常生活的关系。而三种最常用的健康协同效益行为分别是关闭电子设备的待机模式、废物分类, 以及自带水壶。在受访者当中, 女性比男性更常采取健康协同效益行为, 而老年人更常采取与饮食相关的健康协同效益行为。大多数受访者认为, 推广环保教育对于未来的健康促进和保护措施而言非常重要。采取健康协同效益行为的主要障碍包括潜在的健康状况、缺乏相关的饮食安排和营养知识, 以及后勤上的限制。

2 中国 - 气候变化对健康的影响

- **目的:** 回顾目前中国的极端气候变化事件(如气温升高、降雨异常、极端天气事件和海平面上升)对健康影响方面的证据。
- **研究方法:** 叙述性文献回顾
- **主要调查结果:** 关于气温对死亡人数之间关系的研究最为广泛, 不同研究地点的结果也各有不同。与降雨相关的研究就主要集中在与传染病和病媒传播的疾病有关的影响上; 研究的结果也不尽相同。气候变化于心理健康上的影响, 特别是在极端天气事件的背景下, 越来越受到关注。而有关海平面上升对健康的影响、并发症和损害的研究, 目前比较缺乏, 这个情况需立即关注。

环境健康 - 天气与健康的关系

1 台风山竹

- **目的:** 台风山竹是一场超强台风, 于2018年9月16日登陆香港。这项研究调查了香港人在台风期间的家庭准备情况、个人应对以及台风对于家庭的影响。
- **研究方法:** 随机数码拨号人口电话调查研究
- **主要调查结果:** 93.9%和74.3%的受访者有为台风采取某种形式的应急准备, 和有针对台风做准备措施。在台风期间, 认为自己的家庭处于高风险并且已经实施基本的应急准备措施(非紧急时期)的受访者, 更有可能针对台风采取准备措施。33.4%的受访者表示台风山竹会产生某种形式的影响(11.1%是针对家庭上的影响)。然而, 采取台风准备措施与减少台风于家庭上的短期影响并无显著关系。这反映目前的准备措施可能不足以应对超级台风的影响。本研究的主要发现和含义已发表在2019年3月/4月发布的政策简报中, 以便为相关政策规划提供信息。

2 Extreme Temperatures - Cold Spells and Heatwaves

- A series of telephone survey studies targeting the impact of extreme hot and cold in Hong Kong were conducted. Issues covered included self-risk-perception accuracy, the impact of cold and heat waves on physical activity, protective measures against cold waves, and the effects of high temperature on existing allergic symptoms.
- **Research method:** A serial telephone survey study

3 Temperature-Health Associations

- A number of time-series temperature-health analyses were conducted to understand the relative risks of hospital admissions during period of extreme temperatures. Health outcomes studied included mental disorder, COPD, pneumonia, asthma, diabetes, myocardial infarction, salmonella, rotavirus, and norovirus infection.
- **Research method:** Time-series health outcome modelling

C Global Health and Humanitarian Medicine

1 Vector-borne Disease Hazards - Dengue Fever

- **Aims:** To examine the knowledge and perception of dengue fever, mosquito-bite experiences, and protective measures taken right after the local dengue fever outbreak in Hong Kong in 2018.
- **Research method:** Random digit dialing population telephone survey study
- **Main findings:** Findings indicated a high level of awareness about the local outbreak (96.1%), symptom identification (84.0%), and adoption of at least one mosquito preventive measure (nearly 80%). About 40% of respondents claimed to have been bitten by mosquitoes during the study period (high mosquito prevalence season in Hong Kong). Mosquito bites were most prevalent in places near grassy areas, near water sources, at public transportation waiting areas, and at home. The older people (≥ 65 years old) and those with a primary level education or below were less likely to be able to identify symptoms of dengue fever. Younger people (< 25 years old) and those who lived in lower floors (\leq the 6th floor) were at higher risk of mosquito bites. Females and those with a secondary education level or higher were more likely to adopt a greater number of protective measures against mosquito.

2 Evaluation of Health and Disaster Education Intervention: Ma'an Qiao Village, Sichuan, China

- **Aims:** To evaluate long-term (7 years') and immediate effects of health education interventions in a rural Chinese earthquake-prone transitional village.
- **Research methods:** Mixed qualitative and quantitative study
- **Main findings:** The findings demonstrated knowledge improvement in areas of water and sanitation, food and nutrition, and disaster preparedness immediately after the Health-EDRM education interventions. Temporal stability of knowledge retention was observed in household hygiene and waste management and smoking beliefs seven years after the interventions. Other important findings include differences in knowledge uptake pattern of oral rehydration solution between earthquake-prone and flood-prone communities. Use of Internet and mobile technology for accessing disaster-related information was found to be independent of gender and income. Overall, this study demonstrated knowledge improvement through Health-EDRM education interventions in a remote rural community.

2 极端温度——寒潮和热浪

- 我们针对香港极端炎热和寒冷天气的影响进行了一系列电话调查研究。问题包括自我风险评定的准确性、热浪及寒潮对身体活动的影响、针对寒潮的保护措施，以及高温对现有的过敏症状的影响。
- **研究方法:** 系列电话调查研究

3 气温与健康的关系

- 针对温度与健康的关系进行时间序列分析，从而了解极端温度对于住院人数之间的相对风险。研究的疾病包括心理障碍、慢性阻塞性肺病、肺炎、哮喘、糖尿病、心肌梗塞、沙门氏菌、轮状病毒和诺如病毒感染。
- **研究方法:** 时间序列健康结果模型

C 全球卫生与人道医学

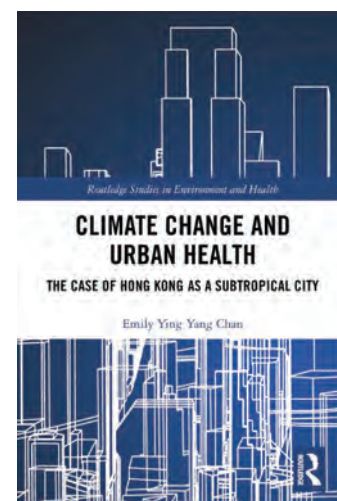
1 病媒传播疾病的危害 - 登革热

- **目的:** 研究2018年香港爆发登革热之后，香港民众对于登革热、蚊虫叮咬的经历以及保护措施的知识认知。
- **研究方法:** 随机数码拨号人口电话调查研究
- **主要调查结果:** 调查结果指出受访者对于当地疫情(96.1%)，登革热症状辨认(84.0%)以及采取至少一种防蚊措施(近80%)有较高的意识。大约40%的受访者声称在研究期间(香港的蚊子流行季节)被蚊子叮咬。草地附近、水源附近、公共交通等候区和家中是蚊虫叮咬发生最为普遍的地方。长者(≥ 65 岁)和小学或以下教育程度的人较难识别出登革热症状。较年轻的人(< 25 岁)和住在较低楼层(≤ 6 楼)的人被蚊子叮咬的风险较高。女性和具有中学或更高教育水平的女性更有可能采取更多针对蚊子的保护措施。

2 健康与灾害教育干预的评估: 中国四川马鞍桥村

- **目标:** 评估在中国农村地震频发的过渡村的健康教育干预的长期(7年)和即时影响。
- **研究方法:** 质性和量性混合研究法
- **主要调查结果:** 调查结果表明，在实施灾害健康风险管理(Health-EDRM)的教育干预措施之后，水和卫生、食品和营养以及备灾领域的知识得到了改善。在干预措施实施七年后，我们观察到村民仍然能回忆起家居卫生和废物管理以及吸烟信念方面的知识。其它重要的发现包括地震频发和易发洪水社区之间对于口服补液盐的知识吸收模式上存在差异。并且发现是否使用互联网和手机去获取与灾害有关的信息，与其性别和收入无关。总体而言，该研究展示了在偏远的农村社区开展灾害健康风险管理的健康教育，有助于当地人民提高知识。

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Book/ Book Chapter 专书和专章

1. Chan EYY, Huang Z, Ho JYE, Hung H, Hung KKC, Wong CS. Health Emergency and Disaster Risk Management: an emerging framework for achieving synergies among the Sendai Framework, the 2030 Agenda for Sustainable Development, the New Urban Agenda and the Paris Agreement. In: United Nations Global Assessment Report (UNGAR) 2022. UNDRR; forthcoming.

2. Chan EYY, Lam HCY (eds.) 2nd Edition of Health Emergency and Disaster Risk Management (Health-EDRM). Basel: MDPI; 2021.

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4. Chan EYY, Shaw R. (eds.) Public health and disasters - Health

Emergency and Disaster Risk Management in Asia. Tokyo: Springer; 2020.

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International Conference Paper 国际会议论文

1. Chow S, Chan EYY. A cross-sectional survey study of association between self-reported health status and temporary settlement conditions of 2020 flood-affected rural communities in Neijiang City, Sichuan, China. Paper presented at: The 2021 Annual Scientific Meeting of Hong Kong College of Community Medicine. 2021 Sep 25; Hong Kong, China.

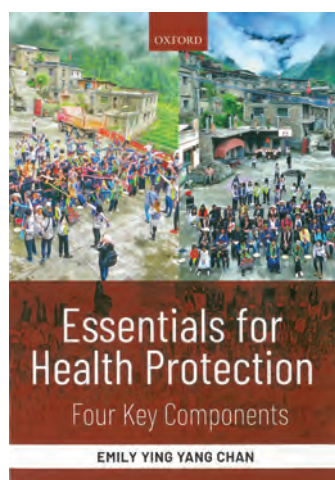
2. Cho YCY, Ho KLT, Dubois C, Chan EYY. A narrative literature review on cataract surgery during the COVID-19 pandemic – Implication on “new normal” of community service provision. Paper presented at: The 2021 Annual Scientific Meeting of Hong Kong College of Community Medicine. 2021 Sep 25; Hong Kong, China.

3. Tong KHY, Dubois C, Mc Donnell K, Kim JH, Hung KKC, Kowk KO, Chan EYY. Narrative review of scientific evidence on the effectiveness of health-EDRM primary preventive interventions against water-borne diseases in contexts with inadequate safe drinking water. Paper presented at: The 2021 Annual Scientific Meeting of Hong Kong College of Community Medicine. 2021 Sep 25; Hong Kong, China.

4. Hung HHY, Chan EYY. Association between working conditions and self-management behaviours of people with type 2 diabetes. Paper presented at: The 2021 Annual Scientific Meeting of Hong Kong College of Community Medicine. 2021 Sep 25; Hong Kong, China.

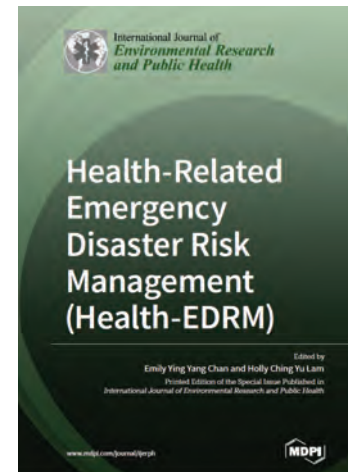
5. Hung HHY, Chan EYY. The relationship between consumption of home-prepared meals during work hours and glycaemic control of employed persons with type 2 diabetes. Paper presented at: The 2021 Annual Scientific Meeting of Hong Kong College of Community Medicine. 2021 Sep 25; Hong Kong, China.

6. Huang Z, Chan EYY, Kim JH, Hung KKC, Kwok KO, Lee EKP, Wong ELY, Wong SYS, Dubois C, Liu S. Population adherence to infection control behaviors during Hong Kong's first and third COVID-19 wave: a serial cross-sectional population study. Paper presented at: The 2021 Annual Scientific Meeting of Hong Kong College of Community Medicine. 2021 Sep 25; Hong Kong, China.





- 7.** Huang Z, Chan EYY, Zee BCY. Spatial impact on temperature and mortality relationship in subtropical metropolis, Hong Kong. Paper presented at: The 2021 Annual Scientific Meeting of Hong Kong College of Community Medicine. 2021 Sep 25; Hong Kong, China.
- 8.** Huang Z, Chan EYY, Zee BCY. Mortality and socioeconomic vulnerability assessment model for community health protection planning in Hong Kong. Paper presented at: The 2021 Annual Scientific Meeting of Hong Kong College of Community Medicine. 2021 Sep 25; Hong Kong, China.
- 9.** Chan GKW, Man AYT, Lam HCY, Chan GK, Hall BJ, Hung KKC. Is urban household emergency preparedness associated with short-term impact reduction after a super typhoon in subtropical city. Paper presented at the WDEM Congress on Disaster and Emergency Medicine; 2019 May 7-10; Brisbane, Australia.
- 10.** Wong CKP, Chan EYY. Enhancing H-EDRM Research and Education for Urban Community Resilience. Paper presented at the Beijing International Convention Center; 2019 May; Beijing, China.
- 11.** Chan GKW, Chan EYY. Health Risk Communication in Rural Communities in China. Paper presented at the UNDRR Global Platform for Disaster Risk Reduction 2019; 2019 May; Geneva.
- 12.** Chiu CP. Leave no one behind: online sign language course for first responders and the public health emergencies. Paper presented at the UNDRR Global Platform for Disaster Risk Reduction 2019; 2019 May; Geneva.
- 13.** Chan EYY. What is known and unknown, and required for H-EDRM research. Paper presented at the 14th Asia Pacific Conference on Disaster Medicine (APCDM); 2018 October; Kobe, Japan.
- 14.** Chan EYY. Scientific evidence to support heat-health warning system development and health risk communication in temperature extreme events: the case of Hong Kong. Paper presented at the Advanced Institute on Disaster Risk with system approach for slow-reduction onset climate disasters; 2018 June 7; Taipei.
- 15.** Chan EYY. Health Emergency and Disaster Risk Management (Health-EDRM) of communicable diseases in refugee camps: the case of Rohingya 2017. Paper presented at the Infectious 2018 (15th Annual Scientific Meeting); 2018 June 12; Hong Kong.
- 16.** Chan EYY, Man AYT, Lam HCY. A pilot study on patterns and predictors on dietary-related health and environmental co-benefits behaviours in Hong Kong. Paper presented at 2018 International Society for Environmental Epidemiology/Exposure Science (ISEE/ES) Asian Chapter conference; 2018 June 21-24; Taipei.
- 17.** Chan EYY. Climate change and H-EDRM. Paper presented at the Research Summit on Health-Related Emergency and Disaster Risk Management (H-EDRM); 2018 July; Hong Kong.
- 18.** Lo SK, Chan EYY. Comparing effectiveness between traditional and online education on Health-EDRM. Paper presented at the Research Summit on Health-Related Emergency and Disaster Risk Management (H-EDRM); 2018 July; Hong Kong.
- 19.** Huang Z, Chan EYY. Disaster risk education in remote ethnic minority of rural China: the case of an earthquake-prone village in Sichuan. Paper presented at the Research Summit on Health-Related Emergency and Disaster Risk Management (H-EDRM); 2018 July; Hong Kong.
- 20.** Lam HCY, Chan EYY. Self-risk-perception accuracy and its association with the use of heating equipment during period of low temperature – a cross-sectional telephone survey study in Hong Kong. Paper presented at the Research Summit on Health-Related Emergency and Disaster Risk Management (H-EDRM); 2018 July; Hong Kong.
- 21.** Tam GCH, Chan EYY, Huang Z. Household preparedness and preferred communication channels in public health emergencies: a cross-sectional survey of residents in an Asian developed urban city. Paper presented at the Research Summit on Health-Related Emergency and Disaster Risk Management (H-EDRM); 2018 July; Hong Kong.
- 22.** Ho JY, Chan EYY, Mo PKH, Lam HCY. Assessing the impact of cold and heat waves on physical activity in a sub-tropical urban population. Paper presented at the Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology (ISES-ISEE 2018); 2018 August 26-30; Ottawa, Canada.
- 23.** Chan EYY, Lam HCY, So SHW, Goggins WB, Ho JY, Liu S, Chung PPW. Short-term association between ambient temperature and mental disorders hospitalization in an Asian subtropical city: a time-series study. Paper presented at the Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology (ISES-ISEE 2018); 2018 August 26-30; Ottawa, Canada.
- 24.** Luo T, Chan EYY, Goggins WB. Temperature and fall-related hospital admissions in Hong Kong SAR, China. Paper presented at the Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology (ISES-ISEE 2018); 2018 August 26-30; Ottawa, Canada.
- 25.** Chan EYY, Guo C, Huang Z, Chan GKW, Lo SK, Man AYT, Lam HCY, Hung KKC. Public perception and sociodemographic predictors of urban transport safety: cross-sectional study after a 2017 urban underground metro fire in the Chinese metropolis. Paper presented at the Golden Jubilee Asia-Pacific Academic Consortium of Public Health Conference (APACPH) 2018; 2018 September 12-14; Sabah, Malaysia.
- 26.** Chan EYY, Man AYT, Lam HCY, Huang Z, Lo SK. Scientific evidence on natural disasters and health emergency and disaster risk management in Asian rural-based area. Paper presented at the Golden Jubilee Asia-Pacific Academic Consortium of Public Health Conference (APACPH) 2018; 2018 September 12-14; Sabah, Malaysia.
- 27.** Chan EYY, Ho JY, Huang Z, Kim JH, Lam HCY, Chung PPW, Wong CKP, Liu S, Chow S, Man AYT, Lo SK. Long-term and immediate impacts of Health Emergency and Disaster Risk Management (Health-EDRM) education interventions in a rural Chinese earthquake-prone transitional village. Paper presented at the Golden Jubilee Asia-Pacific Academic Consortium of Public Health Conference (APACPH) 2018; 2018 September 12-14; Sabah, Malaysia.
- 28.** Ho JY, Chan EYY, Hung HHY, Liu S. The health impact of climate change in cities of middle income countries: a review of current knowledge and research gaps in China. Paper presented at the APRU Global Health conference 2018; 2018 October 28-30; Kuala Lumpur, Malaysia.
- 29.** Wong CKP, Man AYT, Chan EYY. Program effectiveness to address menstrual health knowledge gap in a rural Nepal village. Paper presented at the APRU Global Health conference 2018; 2018 October 28-30; Kuala Lumpur, Malaysia.



- 30.** Lau DH, Chan EYY, Wong CK. Effectiveness of a drama-and-song-based health education in increasing knowledge on household waste management in Manchu ethnic minority-based Dacao Village. Paper presented at the 15th International Congress of Behavioral Medicine; 2018.
- 31.** Chan EYY, Lam HCY, Man AYT. Personal heat protective measures during the 2017 heatwave in Hong Kong: a telephone survey study. Paper presented at the First Global Forum for Heat and Health, Global Heat health Information Network (GHHIN); 2018 December 17-20; Hong Kong.
- 32.** Chan EYY. Heat-related health impacts: global overview and research frontiers in Hong Kong. Paper presented at the First Global Forum for Heat and Health, Global Heat health Information Network (GHHIN); 2018 December 17-20; Hong Kong.
- 33.** Lam HCY, Chan EYY. Effects of high temperature on existing allergic symptoms among adults: an exploratory cross-sectional telephone study. Paper presented at the First Global Forum for Heat and Health, Global Heat health Information Network (GHHIN); 2018 December 17-20; Hong Kong.
- 34.** Lam HCY, Chan EYY, Man AYT. Personal heat protective measures during the 2017 heatwave in Hong Kong: a telephone survey study. Paper presented at the First Global Forum for Heat and Health, Global Heat health Information Network (GHHIN); 2018 December 17-20; Hong Kong.
- 35.** Chan GKW. Regional perspectives of heat action and innovation. Paper presented at the First Global Forum for Heat and Health, Global Heat health Information Network (GHHIN); 2018 December 17-20; Hong Kong.

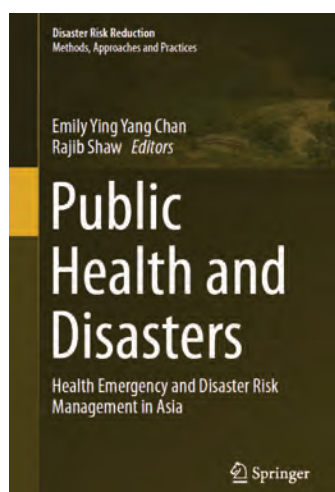
Technical Reports, Guides and Manuals 技术报告、指南和手册

- 1.** Chan EYY, Gobat N, Hung H, MacGregor H, Wong E, Cheung A, Huang Z, Hung K, Kim JH, Lo ESK, Tam Z, Wong CS. Technical Report for WHO: Review on implications of home care in a biological hazard: The case of SARS-CoV-2/COVID-19. Hong Kong: CCOUC; 2020 December, 40 p.
- 2.** UNDRR-APSTAAG. Asia-Pacific Regional Framework for NATECH (Natural Hazards Triggering Technological Disasters) Risk Management. United Nations Office for Disaster Risk Reduction – Asia-Pacific Science, Technology and Academia Advisory Group; 2020, 60p.
- 3.** Chow SKW, Chan EYY, Wong CS. "Housing" as Health-EDRM strategy for climate adaptation: the case of rural China (Health-Emergency and Disaster Risk Management (Health-EDRM) Technical Brief Series #202002). Hong Kong: CCOUC; 2020 Jun, 23 p.
- 4.** Chan EYY, Gobat N, Hung H, MacGregor H, Wong E, Cheung A, Huang Z, Hung K, Kim JH, Lo ESK, Tam Z, Wong CS. A review on implications of home care in a biological hazard: the case of SARS-CoV-2/COVID-19 (Health-Emergency and Disaster Risk Management (Health-EDRM) Technical Brief Series #202001). Hong Kong: CCOUC; 2020 May 27, 31 p.
- 5.** Chan EYY, Lam HCY, Man AYT, Chan GKW. Policy implications of urban HEDRM: the cases of extreme wind events and vector-borne

- diseases (policy brief). Hong Kong: CCOUC; 2019. 8 p.
- 6.** Information Fact Sheet Working Group. Health risks of chemical irritants and materials used in mass gatherings (Information Fact Sheet). Hong Kong: CCOUC; 2019 Aug 14, 6 p.
- 7.** Chan EYY, Hung KKC, Huang Z, Wong CKP, Lam HCY, Ho H, Fong A, Choi C, Lee J, Ho JY, Ling KWK, Liu S, Chiu CP, Man AYT, Kim JK, Chan GKW, Shaw R, Chow S. Building bottom-up Health Emergency and Disaster Management (Health-EDRM) programs in disaster prone and resource deficit context. IRDR Working Paper Series – Volumn 1. 2019.
- 8.** Lo S, Lyne K, Chan E, Capon A, Chapter 2: Planetary health and resilience in Asia. In: Legido-Quigley H, Asgard-Jirhabdeh N, editors. Resilient and people-centred health systems: progress, challenges and future directions in Asia. WHO; 2018.

Research Grant 研究拨款

- 1.** Hung KKC (PI). Research that address the key research priorities in four major research areas in Health Emergency and Disaster Risk Management (Health-EDRM) [Area 4]: Health workforce development strategy in Health-EDRM. World Health Organization Registration: 2021/1134482-0. Grant Period: 1 July to 31 December 2021. Amount: US\$24,976.
- 2.** Hung KKC (PI). To conduct research that address the key research priorities in four major research areas in Health Emergency and Disaster Risk Management (Health-EDRM) [Area 4]: Health workforce development strategy in Health-EDRM. World Health Organization Registration: 2020/1001576-0. Grant Period: 1 April 2020 to 30 November 2021. Amount: US\$100,000.
- 3.** Chan EYY (PI). Homecare of individuals with COVID-19. World Health Organization Registration: 2020/1029037-0. Grant Period: 30 June to 30 December 2020. Amount: HK\$77,530.
- 4.** Hung KKC (Co-I). The role of communication strategies and media discourse in shaping psychological and behavioral response to the COVID-19 outbreak. Canadian Institutes of Health Research Funding Reference Number: 170635. Grant Period: 1 March 2020 to 28 February 2022. Amount: CA\$45,500.
- 5.** Chan EYY (PI). Collaborative Initiative for Health-Emergency Disaster Risk Management (CIHEDRM). University of Oxford. Grant Period: 1 April 2019 to 31 December 2023. Amount: GBP 100,000.
- 6.** Chan EYY (PI). A pilot study of research ethics and infrastructure support for cross-cultural collaboration in academic and research development: the case of global health emergency research. University of Oxford. Grant Period: 1 March to 31 December 2019. Amount: GBP 32,000.
- 7.** Emily YY Chan (PI). A Community-based Cluster Randomized Control Trial in Technology and Empowerment of Community Skills in Health, Emergency Disaster Risk Management (Health-EDRM) in Rural China: TE-HEDRM Trial. Grant Period: 1 September 2018 to 31 August 2021. Amount: HK\$1,563,500.
- 8.** Emily YY Chan (PI). Learning by Doing: Field Experiential Teaching and Learning in Rural China. UGC Teaching Award Grant, Hong Kong University Grants Committee. Grant Period: 1 July 2018 to 30 June 2021. Amount: HK\$450,000.
- 9.** Emily YY Chan (PI), Gloria Kwong Wai Chan, Chunlan Guo, Chi Shing Wong, Sida Liu, Zhe Huang, Carman Ka Man Mark. Teaching Public Health in Disaster and Emergency Response with Massive Open Online Course and Face-to-Face Classrooms: Building a Global Humanitarian Response Community. Micro-Module Courseware Development Grant, The Chinese University of Hong Kong. Grant Period: 1 May 2017 to 30 April 2018. Amount: HK\$118,900.



5

教育
Education

Postgraduate-Level Academic Course

(Also serves as short term certificate courses)

Global Health (Master level)

The global nature of public health issues across the domains of practice are of growing importance. This course will enable a deeper understanding of a global perspective to non-communicable and communicable diseases; the inequalities between nations; the impact of the wider environment on health; response to disasters; and the role of international bodies.

Disaster & Humanitarian Crisis

This course offers an overview of the disaster management cycle and the public health and medical implications of disaster and humanitarian crisis. It aims to show how public health principles may be applied in disaster relief and how evidence-based health-related humanitarian actions can be planned, implemented and evaluated.

Climate Change and Planetary Health

Climate change is an important topic for public health practice. As the frequency and severity of climate-related disasters increase, in order to protect health and well-being, the need to understand and prepare for unforeseeable events is rapidly growing. This course provides an overview of issues in relation to climate change and health in the context of public health practice. It introduces important concepts of how to tackle climate change related health impacts and how to support community preparedness, response, policy formulation and implementation.

Food Security: Local and Global Perspectives

This course introduces the factors affecting the sustainability of the contemporary food systems at both global and local perspectives. Areas including technological advancement, economic drive, political stability, as well as socio-cultural influences will be analysed critically to provide insights for tackling the challenges of future food crisis.

Emergency Risk Communication in Disaster & Humanitarian Crisis

In a crisis, the need to communicate risks as accurately as possible in a timely manner arises as much from public expectation as professional need. Communication not only helps build resilience of the community but also prevent disease, disability and death, and restore dignity of the people facing disasters. This course offers theoretical and practical framework of effective advocacy and emergency risk communication in an evolving media landscape.

Global Health Perspective of Humanitarian Crisis & Human Security

The course aims at providing an overview of the interconnections between health and human security in the context of globalization and forced migration arising from many causes. Specifically, the course examines how the changing humanitarian and human security landscape, e.g. the current context of conflict, brought the two fields closer together and the challenges presented for human security and global health.

Research Methodology for Disaster and Medical Humanitarian Response

The course aims to show how public health and research principles can be applied in humanitarian settings. Participants will receive technical training in research study to address public health needs of populations affected by disasters and in resource-poor settings.

研究生课程

(及短期证书课程)

全球卫生(硕士课程)

公共卫生学渐见全球化。本课程旨在给予学员全球化的视角，深入了解重要的公共卫生议题，包括传染及非传染病、国与国之间的不平等、环境对人类健康的影响、各国对灾害的反应，以及国际组织在全球卫生的角色等。

灾害及人道危机

本课程阐述灾害和人道危机的公共卫生与医学涵义，并展示如何在灾害救援中应用公共卫生原理，及如何筹划、落实和评估循证医疗人道行动。

气候变化与全球卫生

气候变化是公共卫生实践的重要课题。随着气候相关灾害的频率和严重性增加，为了保障健康和福祉，了解和为不可预见事件作准备的需求正在迅速增长。本课程概述了公共卫生实践中与气候变化和健康相关的问题。它介绍了如何应对与气候变化相关的健康影响以及如何支持社区准备、响应、政策制订和实施的重要概念。

粮食保障: 本地及全球视野

本课程介绍影响现今本地及全球食物系统稳定性的因素，并深入探讨不同层面(科技发展、经济动力、政治稳定、社会文化影响)，以此作为洞察及解决未来粮食危机的要领。

灾害和人道危机中的紧急风险传讯

面对危机时，及时和准确地发放风险资讯非常重要。传讯不但有助提升社区的抗灾力，还可预防疾病、残疾及死亡，更可助灾民重拾尊严。本课程提供在不断演变的媒体环境下，进行有效倡议和紧急风险传讯的理论和实践框架。

全球卫生视野下的人道危机及人类安全

本课程概述在全球化及多种原因导致强迫迁徙的背景下，健康与人类安全的关系。本课程集中检视不断变化的人道救援和人类安全环境，例如在现今的冲突中，如何将两个领域拉近，审视人类安全和全球卫生面临的挑战。

灾害与人道救援研究方法

本课程旨在展示如何将公共卫生及研究原理应用于人道情况。学生会接受研究技术的训练，以应付受灾害影响及身处资源短缺环境的人群的公共卫生需求。



Field Action Lab

This is a practicum course aiming at providing a unique opportunity for students to gain familiarity with public health practice. Students are required to complete an approved public health practice related practicum in a variety of settings, including rural field trip, governmental and non-governmental health agencies, academic institutions, or community settings under the supervision of site administrators.

实地研习

本实践式课程旨在提供独特机会，让学员参与公共卫生的实习式学习。学员需要按获批准的题目，在工作人员的指导下于不同的场所(农村、政府及非政府卫生机构、学术机构或社区)进行实习。

Undergraduate-Level Academic Course

本科生课程

Global Health (Bachelor level)

This course will introduce how public health principles may be applied to understand and examine health issues and initiatives in global settings. Public health issues in various countries such as China, Bhutan, Indonesia, USA, Brazil etc. will be identified and students will work in teams, develop critical thinking skills and expand their knowledge base in public health and provide possible solutions of global health issues.

全球卫生(学士课程)

本课程旨在介绍如何将公共卫生原则应用于全球卫生的框架。学生会深入了解各国(如中国、不丹、印尼、美国、巴西等)的公共卫生问题，并会以分组形式，发展批判思维技能、扩阔公共卫生知识基础及提出解决方法。

Scholarships Awarded by CCOUC* CCOUC颁发的奖学金*

	2017	2018	2019
CCOUC Outstanding Disaster Project Award CCOUC杰出灾害研究报告成绩优异奖	Wing Kwan KWOK 郭咏筠 <i>Project Title:</i> Case Study—Pakistan Flood 2010	Sze Nga FUNG 冯诗雅 <i>Project Title:</i> Looking Back, Moving Forward—Case Study of Haiti Earthquake	---
	Jonathan Way Hang WONG 王汇恒 <i>Project Title:</i> The 2015 Nepal Earthquake – Discussion on its General Public Health Consequences and Proposal of a Multi-Level Health Emergency Disaster Risk Reduction Strategy	Shirley Oi Ting CHEUNG 张霏婷 <i>Project Title:</i> Typhoon Hato: How to Empower the Disaster Risk Reduction in Macau?	
Namgay RICHEN <i>Project Title:</i> Flood in Sarpang, Bhutan 2016: A Case Study			
Mrs. Catherine SW Chan-Kwok Prize in Humanitarian Field Work 陈郭淑云人道救援考察奖	Dawnie Ho Hei LAU 刘皓晞	Lo Mei TSOI 蔡露薇	Evan Su Wei SHANG 商书维

*Due to the COVID-19 pandemic, these two field-related scholarships were suspended in 2020.

*由于COVID-19疫情，2020年暂停颁发此两项与实地研习相关的奖学金。





Massive Open Online Course (MOOC) 大规模开放线上课程

As part of CCOUC's education and knowledge transfer endeavour, 11 English and 2 Chinese free MOOC courses on disaster and medical humanitarian response hosted at the platforms of the University of Oxford, The Hong Kong Jockey Club Disaster Preparedness and Response Institute (HKJCDPRI) at Hong Kong Academy of Medicine, and XuetaoX have been developed since 2014. Upon registration, students are allowed to study the course at a location of their own choice and at their own pace. A certificate of completion is issued for participants who have successfully completed each course. These courses are useful for students and practitioners to explore health emergency and disaster risk management (Health-EDRM) issues. CCOUC is also collaborating with academic units and programmes to offer these courses for students to fulfill their course requirements.

作为CCOUC教育和知识转移项目的一环，CCOUC自2014年开发了11门英文和2门中文免费大规模开放线上课程，在牛津大学、香港医学专科学院香港赛马会灾难防护应变教研中心和学堂在线平台上开课。学生可按自己的学习进度，在自己选择的地点修读相关课程。成功完成每门课程的学员均获发结业证书一张。这些课程有助学生和从事相关工作的人员探索灾害健康风险管理的议题。同时，CCOUC与各学术单位和课程合作，为学生提供这些课程以满足他们课业的要求。

English Course 英文课程	Total Number of Registered Students 注册学生总数	Number of Cohorts 开课次数
Public Health Principles in Disaster and Medical Humanitarian Response * 灾害与人道救援中的公共卫生原理 *	7,749	10
Climate Change and Health 气候变化与健康 https://ccouc.org/climate-change-and-health	3,600	10
Research Methodology for Disaster and Medical Humanitarian Response 灾害与人道救援研究方法 https://ccouc.org/research-methodology-for-disaster-and-medical-humanitarian-response-4	2,500	8
Global Health Challenge for Human Security 全球卫生对人类安全的挑战 https://ccouc.org/global-health-challenge-for-human-security	1,300	6
Core Public Health Concepts for Health Emergency and Disaster Risk Management 灾害健康风险管理中的公共卫生核心概念 https://ccouc.org/core-public-health-concepts-for-hedrm	1,100	5
Health System Approach in Managing Disaster 灾害管理的卫生系统模式 https://ccouc.org/health-system-approach-in-managing-disaster	850	4
Principles of Occupational Health and Challenges of Industrial Disasters 环境卫生原理与工业灾害挑战 https://ccouc.org/principles-of-occupational-health-and-challenges-of-industrial-disasters	600	3
Foundations of Food Security 粮食保障基础 https://ccouc.org/foundations-of-food-security	600	3
International Humanitarian Law 国际人道法 https://ccouc.org/international-humanitarian-law	2,000	3

Basic Sign Language for First Responders and the Public in Health Emergencies and Disasters 卫生紧急情况 and 灾害中现场急救员及一般公众的基础手语 https://ccouc.org/basic-sign-language-for-first-responders-and-the-public-in-health-emergencies-and-disasters	1,600	2
Crisis and Risk Communication in Emergencies and Disasters 紧急情况和灾害中的危机和风险信息传播 https://ccouc.org/crisis-and-risk-communication-in-emergencies-and-disasters	1,100	2
Chinese Course ** 中文课程 **	Total Number of Registered Students 注册学生总数	Number of Cohorts 开课次数
Health and Disaster Preparedness in Rural China 中国农村健康及备灾培训 https://ccouc.org/health-and-disaster-preparedness-in-rural-china	520	3
Humanitarian Charter and Minimum Standards in Humanitarian Response 人道主义宪章与人道救援响应最低标准: 环球计划的实践 https://ccouc.org/humanitarian-charter-and-minimum-standards-in-humanitarian-response	290	3
Total 合计	~24,000	62

* This English MOOC was hosted at the University of Oxford platform, while the other English MOOCs were hosted on the Hong Kong Jockey Club Disaster Preparedness and Response Institute (HKJCDPRI) platform.
 此英文课程在牛津大学平台开课，其它英文课程在香港赛马会灾难防护应变教研中心平台开课。

** These two Chinese MOOCs were hosted at the XuetangX platform.
 此两个中文课程在学堂在线平台开课。



知识转移
Knowledge Transfer

6

Professional Development Programmes (PDPs) for Hong Kong Secondary School Teachers

To enhance the knowledge in global public health and disaster issues among Hong Kong secondary school teachers and students and thereby enhance community disaster resilience, CCOUC continued to offer the “Global Public Health Learning and Teaching Series: Health Protection” training programme for secondary schools teachers, tailored under the framework of Liberal Studies Curriculum in Hong Kong, covering module 4 “Globalization”, module 5 “Public Health” and module 6 “Energy Technology and the Environment”. It is also included in the Professional Development Programme (PDP) of the Hong Kong Education Bureau. Hong Kong secondary school teachers could enroll in the training programmes through Training Calendar of Education Bureau. After the completion of a training programme, attendees can obtain a certificate issued by CCOUC.

As part of CCOUC’s commitment of community disaster risk literacy building under the HKJCDPRI project, this series of training programmes intends to train 200 school teachers between 2014 and 2019, thereby delivering disaster resilience and disaster risk literacy knowledge to 100,000 students.



香港中学教师专业发展课程

CCOUC为增强全港中学师生对全球公共卫生及灾害议题的认识，从而提升社区抗灾力，特意参考香港通识科课程框架，配合其中单元四“全球化”、单元五“公共卫生”和单元六“能源科技与环境”的内容，继续提供“全球公共卫生学与教系列:健康保障”中学教师培训课程，并作为香港教育局认可的“教师专业发展课程”的一部分，让中学教师可以透过教育局的培训行事历报读。教师完成课程后，可获由CCOUC颁发的证书。

整个系列的培训课程是CCOUC在香港赛马会灾难防护应变教研中心项目下，提升社区风险素养的其中一项重要工作；目标是在2015至2019年间培训200名中学教师，从而把抗灾力及社区灾害风险素养的知识传授给十万名中学生。





全球公共卫生学与教系列: 健康保障

“全球公共卫生学与教系列: 健康保障”涵盖四个专门范畴，包括应急准备、气候变化与可持续性、传染病防控及环境健康。CCOUC陆续在每个专门范畴出版一本相应的专题小册子，而本报告所涵盖的期间再出版了两本新的小册子，协助中学教师预备相关的教学课题。每本小册子均有中、英文印刷及数码版本：

- 1 **灾害与公共卫生的关系** 2015年10月出版
- 2 **全球化-气候变化与人类健康** 2016年6月出版
- 3 **传染病对城市的威胁** 2017年12月出版
- 4 **环境健康危害与公共卫生应对** 2019年6月出版

同时，CCOUC为加深香港中学师生对现今中国医疗与卫生体制和农村健康的认识，特意在培训课程中引入中国农村的健康与教育的讲题，并出版了《中国农村的健康与教育》(2017年1月出版)。

在2014年11月至2021年9月，共有约381名来自219间中学的教师索取超过10万本小册子作辅助通识教育科学习的教材。

研讨会

CCOUC继续定期举办配合相关小册子的教师培训课程。

Global Public Health Learning and Teaching Series: Health Protection

The “Global Public Health Learning and Teaching Series: Health Protection” covers four streams, namely emergency preparedness, climate change & sustainability, communicable disease control, and environmental health. CCOUC has published a booklet under each stream, including two new booklets during the reporting period, to facilitate Hong Kong secondary school teachers in preparing for the teaching of relevant topics. Each booklet has Chinese and English versions in printed and digital formats:

- 1 **Relationship between Disasters and Public Health from a Hong Kong Perspective** published in July 2016
- 2 **Globalisation: Climate Change and Human Health** published in May 2017
- 3 **Urban Threat of Infectious Diseases** published in May 2018
- 4 **Health Environmental Hazards and Public Health Responses** published in June 2019

Moreover, to enhance the understanding of the issues of contemporary healthcare system and rural health in China among secondary school teachers and students, the training programme has also included the theme of health and education in rural China, and a related booklet Health and Education in Rural China was published in January 2017.

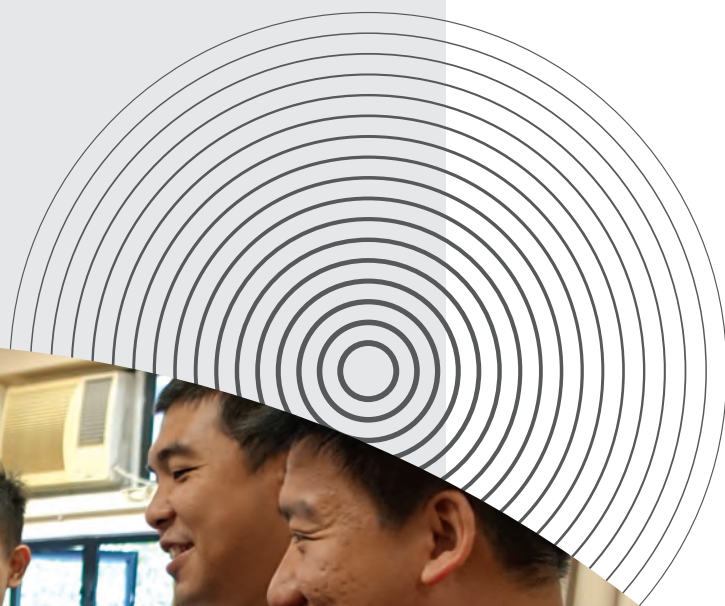
Between November 2014 and September 2021, 381 teachers from 219 secondary schools ordered the booklets as supplementary learning materials of Liberal Studies for more than 100,000 students.

Seminars

During the reporting period, CCOUC continued to organize teacher training programmes regularly to complement the designated topics of the booklets.



举办日期 Date	课程专题 Programme Topic	出席中学数目(总数136间) Number of Secondary School Attended (Total: 136)
29/9/2017	中国农村的健康与教育 Health and Education in Rural China	26
13/12/2017 13/6/2018	传染病对城市的威胁 Urban Threat of Infectious Diseases	51
18/1/2019	环境健康危害与公共卫生应对 Health Environmental Hazards and Public Health Responses	30
29/5/2019	老年人与灾害 Older People and Disaster	29





Community Knowledge Transfer

Interactive and Multimedia Exhibition Wall at Climate Change Museum

A new exhibition wall introducing CCOUC's research findings about climate disasters and public health became a part of the museum in November 2017. It was one of the collaborations between CCOUC and the Hong Kong Jockey Club Museum of Climate Change located in CUHK campus.

With the aid of videos and an interactive display, a series of CCOUC's research findings were displayed in a key location in the museum to showcase the impact of climate change on human lives for the general public. The aim of this exhibition was to enhance the awareness and capacity of the public in mitigating the adverse effect of climate change on health.

Fire Asia 2018 Conference

Prof Emily YY Chan delivered a presentation "General Public Knowledge of Health Emergency and Disaster Risk Management in Emergency Fire Incidents: The Case of Public Transportation Systems in Hong Kong" at the Fire Asia 2018 and Hong Kong Fire Services Department 150th Anniversary Celebration held from 7 to 9 May 2018 at the Hong Kong Fire and Ambulance Services Academy.

Guest Lecture on Leadership at Hong Kong Fire and Ambulance Services Academy

Mr Cheuk Pong Chiu was invited by Fire Services Department to deliver a guest lecture on "Leadership in Emergency" to Principal Firemen at Fire and Ambulance Services Academy on 29 Nov 2018.

社区知识转移工作

气候变化博物馆的互动及多媒体展览墙

在2017年11月，气候变化博物馆增设一块关于CCOUC在气候灾害和公共卫生方面研究成果的新展览墙。该展览墙是CCOUC及位于香港中文大学校园的香港赛马会气候变化博物馆的合作项目之一。

CCOUC透过视频及互动的方式展示气候变化对于公众生活的影响的研究成果。本次展览的目的，是为了提高公众对于减轻气候变对健康的不利影响上的认知和能力。

亚洲消防国际会议2018

陈英凝教授在2018年5月7至9日在香港消防及救护学院举行的亚洲消防国际会议2018暨香港消防处成立一百五十周年庆典上作了“大众对紧急火灾事故的公共卫生和灾害风险管理认知:香港公共交通系统的个案”的演讲。

香港消防处消防及救护学院领导力讲座

赵卓邦先生应消防处邀请，于2018年11月29日在香港消防及救护学院向消防总队目发表题为“突发事件中的领导力”的嘉宾讲座。





Public Education on Weather and Health

To enhance resilience of local population in face of extreme weather events, CCOUC collaborated with Hong Kong Observatory to talk about weather-related health issues in a radio programme “Climate Watcher” of the public broadcaster Radio Television Hong Kong on 7 December 2019. In the programme, Mr Chi Shing Wong introduced the centre’s research on extreme temperatures and mortality and morbidity in Hong Kong, including those for vulnerable age groups and specific diseases. The health impact of other extreme weather events, natural disasters and climate change were also discussed in the programme.

Emergency Management Training Course of Hong Kong Institute for Public Administration

Prof Emily YY Chan was invited to be a speaker at the Emergency Management Training Course 2020/2021 to emergency-related senior civil servants and senior management of public authorities and public utilities offered by Hong Kong Institute for Public Administration on 8 March 2021. In her presentation, Prof Chan outlined key principles in emergency management to 36 participants from various government bureaus, departments, public authorities and public utilities of the 3-day training session.

Public Talk at the 1st Oxford Hong Kong Forum

Prof Emily YY Chan delivered the opening plenary talk entitled “Why I chose the lesser travelled path - prominence of public health and disaster relief in the age of turbulence” at the 1st Oxford Hong Kong Forum on 10 April 2021.

天气与健康公众教育

为加强本地居民面对极端天气事件的应变能力，CCOUC与香港天文台合作，于2019年12月7日在本地公营电台香港电台的广播节目《大气候》中，谈论与天气有关的健康问题。在该节目中，黄智诚先生介绍了本中心有关香港极端温度，死亡率和发病率的研究，包括针对弱势年龄组和特定疾病的研究。该节目还讨论了其它极端天气事件、自然灾害和气候变化对健康的影响。

香港公共行政学院应急管理培训课程

陈英凝教授应邀于2021年3月8日在香港公共行政学院主办的2020/2021年应急管理培训课程中担任讲者，该课程面向与应急相关的高级公务员以及公营部门和公共事业的高级管理人员。陈教授向来自政府各相关政策局和部门、公营部门和公共事业36名参与为期三天培训课程的学员概述了应急管理的主要原则。

第一届牛津香港论坛公开讲座

陈英凝教授在2021年4月10日举行的第一届牛津香港论坛上作题为“为什么我选择了一条较少人走的路——在动荡时代公共卫生和救灾的重要性”的开幕讲座。



Guangdong-Hong Kong-Macao Greater Bay Area Climate Change and Health Forum

CCOUC members were invited to participate in the “Guangdong, Hong Kong and Macao Climate Change and Health Forum” organised by the Hong Kong Observatory on 22 January 2018. More than 30 experts in the fields of meteorology, remote sensing, infectious disease, and medicine and public health from government departments, public organisations, and academic institutions in the three places joined the forum for an in-depth discussion and exchange about the current evidence and strategies for mitigating the health impact of climate change on residents in the Guangdong-Hong Kong-Macao Greater Bay Area. Professor Emily YY Chan delivered a presentation entitled “The Health Impact of Climate Change among Subtropical Urban Residents” at the forum.

Training Workshop for a Delegation of Guizhou Provincial Red Cross

A training workshop for a delegation of Guizhou provincial Red Cross with the theme of capacity building for emergency management was organised by CCOUC on 18 December 2017 at SPHPC. Mr Cheuk Pong Chiu held a sharing session on “Strategy and Management of Disaster and Emergency Humanitarian Response” to introduce the Hong Kong emergency response system, the minimum standards in humanitarian response of the Sphere Project and current key working projects of CCOUC. He also shared his firsthand frontline health emergency response and project management experience with the Guizhou delegation.

Training Workshop for the Faculty of Ningxia Medical University

Entrusted by Ningxia Medical University (NMU), the JC School of Public Health and Primary Care (JCSPHPC) organised a training workshop on medical and health teaching for a delegation of 15 key faculty members of NMU during 15-19 Jan 2018 at the School. Three lecturers entitled “From Theory to Practice – Field-Based Training”, “New Teaching Concept and Strategy” and “Teaching Technique for Nutritional Behaviour” were delivered by three CCOUC team members to share and discuss the experience and strategies in training the new generation of public health professionals.

粤港澳大湾区的气候变化与健康论坛

CCOUC成员受邀参加由香港天文台于2018年1月22日举办的“粤港澳气候变化与健康论坛”。超过三十位来自粤港澳政府部门、公共机构和学术机构的气象、遥感技术、传染病、医学及公共卫生等领域的专家参与此次健康论坛。专家就减轻气候变化对粤港居民的健康影响现况和策略进行了深入的讨论和交流。其中，陈英凝教授在论坛上发表了以“气候变化对亚热带城市居民的健康影响”为题的演讲。

贵州省红十字会应急管理培训班

CCOUC于2017年12月18日上午在赛马会公共卫生及基层医疗学院举办“贵州省红十字会干部应急管理能力提升专题赴港培训班”，由赵卓邦先生为与会代表作了题为“灾害应急管理与人道主义救援方法”的专题讲座，介绍香港灾害应急系统、环球计划的人道救援响应最低标准，以及研究所重点工作等议题，并与贵州同仁分享了他多年的前线卫生应急及项目管理经验。

宁夏医科大学教师研修班

香港中文大学赛马会公共卫生及基层医疗学院获宁夏医科大学委托，于2018年1月15至19日在学院举办了为期一周的“宁夏医科大学学科骨干教师教学能力研修班”。其间，三位CCOUC成员在各自专长的领域作了题为“从理论到实践——实地考察经验分享”、“教学新思维与新思路分享”及“营养行为学教学分享”的主题讲座，与该校15位赴港学员共同交流探讨教学经验及学术成果。



Emergency Disaster Relief Forum 2018 in Sichuan Province

Prof Emily YY Chan, Mr Sida Liu and Ms Carol Wong were invited to participate in the "Natural Disaster Health Emergency Forum 2018" of the Emergency Disaster Relief Forum 2018 co-organised by Health Emergency Branch of Chinese Preventive Medicine Association and Health Emergency Center of Chinese Center for Disease Control and Prevention in Beichuan, Sichuan Province, China on 9 May 2018. Around 162 representatives from Provincial Centers for Disease Control and Prevention, hospitals, public and private organisations as well as academic institutions were invited to participate in this forum to conduct in-depth exchange and discussion on emergency relief in China. Prof Emily Chan delivered a presentation entitled "Interpretation of International Strategy for Disaster Reduction—Sendai Framework", which covered the issue of Health Emergency and Disaster Risk Management (Heath-EDRM) and its interaction with various global policies since 2015.

Training Workshop for Senior Civil Servants of Guizhou Province

A training workshop for senior civil servants of Guizhou province with the theme of disaster response and management was organised by CCOUC on 27 Nov 2018 at Jockey Club School of Public Health and Primary Care (JCSPHPC). Mr Cheuk Pong Chiu held a sharing session on "Disaster Response and Management". During the session, Mr Chiu introduced the Three Tier Hong Kong emergency response system, and used Lamma Island ferry collision in 2012 as an example for explanation. He also introduced other specific contingency plans in Hong Kong and had in-depth discussion of Daya Bay (nuclear power plant) Contingency Plan (DBCP) with participants. Besides, Mr Chiu shared the minimum standards in humanitarian response of the Sphere Project, training opportunities of disaster management in Hong Kong, current key working projects of CCOUC, as well as his firsthand frontline experiences in health emergency response, project management and training with participants.

四川省“2018灾害应急救援论坛”

陈英凝教授、刘思达先生和黄嘉宝女士应邀出席2018年5月9日由中华预防医学会卫生应急分会及中国疾病预防控制中心卫生应急中心等合办的“2018灾害应急救援论坛”中的“自然灾害卫生应急分论坛”。是次在四川省北川举办的会议，邀请了包括各省区中国疾病预防控制中心、医院、公私营机构及学术界等162位代表参加，就中国应急救援展开深入交流和探讨。陈英凝教授发表了题为“世界减灾策略：《仙台框架》解读”的演讲，内容涵盖了灾害健康风险管理(H-EDRM)及其自2015年起与多项全球政策的相互关系。

中国贵州省高级公务员培训班

CCOUC于2018年11月27日在香港中文大学赛马会公共卫生及基层医疗学院举办了以灾害应对和管理为主题的中国贵州省高级公务员培训班。赵卓邦先生举行了“灾难应对与管理”分享会。在会议期间，赵先生介绍了香港的三级应急系统，并以2012年南丫岛渡轮海难为例进行解释。赵先生亦介绍了香港其它类型的应变计划，并与参加者就大亚湾核电厂应变计划(DBCP)进行深入讨论。赵先生又分享了环球计划提倡的人道救援响应最低标准、香港灾害管理的培训机会以及CCOUC目前的主要工作项目。他还与参加者分享了自己在健康应急、项目管理和培训方面的第一手前线经验。





附录
Annex

Staff (as of 30 September 2021)

- *Director*
Professor Emily Ying Yang CHAN
- *Deputy Director*
Professor Kevin Kei Ching HUNG
- *Postdoctoral Fellow*
Dr Zhe HUANG
- *Assistant Director*
Mr Chi Shing WONG
- *Research Assistant*
Ms Pui Yin MOK

Advisor (Surname in alphabetical order)

- Professor Francis Ka Leung CHAN
- Professor Chris P. CONLON
- Professor Tai Fai FOK
- Professor Colin A. GRAHAM
- Professor Peter HORBY
- Mr Darren NASH
- Professor Sian M. GRIFFITHS
- Professor Louise RICHARDSON
- Professor Joseph Jao Yiu SUNG
- Professor Rocky Sung Chi TUAN
- Professor Samuel Yeung Shan WONG
- Professor Eng Kiong YEOH

Honorary Staff

- Professor William Bernard III GOGGINS
Professor
- Professor Virginia S. G. MURRAY
Adjunct Professor
- Professor Eliza Yee Lai CHEUNG
Adjunct Assistant Professor
- Mr Cheuk Pong CHIU
Adjunct Tutor
- Ms Caroline DUBOIS
Adjunct Tutor
- Professor Colin A. GRAHAM
Professor (by courtesy)
- Professor Jean Hee KIM
Associate Professor
- Professor Kevin Sida LIU
Adjunct Assistant Professor
- Ms Sharon Ka Wong CHOW
Adjunct Tutor
- Ms Holly Lai Ho LI
Adjunct Tutor

成员 (于2021年9月30日)

- 所长
陈英凝教授
- 副所长
洪矾正教授
- 博士后研究员
黄喆博士
- 助理所长
黄智诚先生
- 研究助理
莫佩贤女士

顾问 (依姓氏英文字母排列)

- 陈家亮教授
- Chris P. CONLON教授
- 霍泰辉教授
- 简家廉教授
- Peter HORBY教授
- Darren NASH先生
- 葛菲雪教授
- Louise RICHARDSON教授
- 沈祖尧教授
- 段崇智教授
- 黄仰山教授
- 杨永强教授

荣誉成员

- 高威廉教授
教授
- Virginia MURRAY教授
客座教授
- 张依励教授
客座助理教授
- 赵卓邦先生
客座导师
- 杜沛欣小姐
客座导师
- 简家廉教授
礼任教授
- 金真希教授
副教授
- 刘思达教授
客座助理教授
- 周嘉旺女士
客座导师
- 李丽荷女士
客座导师





Key Member & Associate (Surname in alphabetical order)

- Mr Jonathan ABRAHAMS
- Professor Chok Wan CHAN
- Ms Gloria Kwong Wai CHAN
- Dr Purdy Ying Ting CHAN
- Ms Carol Sin Yee CHIU
- Ms Janet Yiu Wai CHOW
- Ms Phoebe Pui Wun CHUNG
- Professor Nina GOBAT
- Dr Chunlan GUO
- Professor Qunli HAN
- Ms Agnes Kam Yan HO
- Dr Janice Ying En HO
- Mr Keith Yun Chau HON
- Dr Qudsia HUDA
- Dr Heidi Hoi Yi HUNG
- Ms Makiko KATO
- Dr Ryoma KAYANO
- Professor Jean Hee KIM
- Ms Christine Pui Yan KO
- Professor Kin On KWOK
- Ms Mauraer Men Wai LAI
- Dr Holly Ching Yu LAM
- Professor Jennifer LEANING
- Ms Clare Ying Wai LEE
- Dr Donald Kwok Tung LI
- Mr Qun LI
- Dr Kelvin Wai Kit LING
- Mr Eugene Siu Kai LO
- Ms Sharon Tsoon Ting LO
- Ms Asta Yi Tao MAN
- Ms Carman Ka Man MARK
- Ms Kaffee Ka Ki MOK
- Professor Vincent Chung Tong MOK
- Dr Elizabeth NEWNHAM
- Ms Wendy Wing Yi NG
- Professor Isabella Wai Yin POON
- Professor Rajib SHAW
- Ms. Rosanna Tse Ying SO
- Professor Greta Chun Huen TAM
- Ms Regan Ka Lam TAM
- Ms Sophine Nok Sze TSANG
- Professor Shelly Lap Ah TSE
- Ms Sophia Yan Ting TSE
- Mr Zhe WANG
- Mr Agassi Chun Wai WONG
- Ms Carol Ka Po WONG
- Ms Jennifer Shuk Ting WONG
- Dr Lilian Hiu Lei WONG
- Professor Justin Che Yuen WU
- Professor May Pui Shan YEUNG
- Professor Nelson Chun Yiu YEUNG
- Dr Tony Ka Chun YUNG

主要成员和合作者 (依姓氏英文字母排列)

- Jonathan ABRAHAMS先生
- 陈作耘教授
- 陈广慧女士
- 陈英婷医生
- 赵倩仪小姐
- 周瑶慧女士
- 钟珮媛小姐
- Nina GOBAT教授
- 郭春兰博士
- 韩群力教授
- 何锦欣女士
- 何盈恩博士
- 韩润畴先生
- Qudsia HUDA医生
- 洪凯儿博士
- 加藤真喜子女士
- 茅野龙马医生
- 金真希教授
- 高佩茵小姐
- 郭健安教授
- 黎文慧女士
- 林靖宇博士
- Jennifer LEANING教授
- 利盈慧女士
- 李国栋医生
- 李群先生
- 凌伟杰博士
- 卢肇锺先生
- 罗顺婷女士
- 文易淘小姐
- 麦嘉雯女士
- 莫嘉琪女士
- 莫仲棠教授
- Elizabeth NEWNHAM博士
- 吴咏儿小姐
- 潘伟贤教授
- Rajib SHAW教授
- 苏紫盈女士
- 谭俊萱教授
- 谭嘉琳小姐
- 曾诺诗小姐
- 谢立亚教授
- 谢欣婷小姐
- 王哲先生
- 黄进维先生
- 黄嘉宝女士
- 黄淑婷女士
- 王晓莉医生
- 胡志远教授
- 杨贝珊教授
- 杨竣尧教授
- 翁家俊博士

Intern

- Ms Kimberley Hor Yee TONG (University of Southampton), UK (2018)
- Mr Evan Su Wei SHANG (CUHK), HK (2019)
- Mr Victor Xin Yuan CHEN (CUHK), HK (2020)
- Mr Edwin Yi Yau LAM (Swansea University), UK (2020)
- Ms Cecilia Shi Ya LEUNG (CUHK), HK (2020)
- Mr Tayyab Salim SHAHZADA (CUHK), HK (2020)
- Ms Tiffany Sze Tung SHAM (CUHK), HK (2020)
- Ms Cassandra Yee Man CHEUNG (Imperial College London), UK (2021)

实习生

- 汤可怡小姐 (英国南安普敦大学)(2018)
- 商书维先生 (香港中文大学)(2019)
- 陈信源先生 (香港中文大学)(2020)
- 林宜宥先生 (英国斯旺西大学)(2020)
- 梁诗雅小姐 (香港中文大学)(2020)
- Tayyab Salim SHAHZADA先生 (香港中文大学)(2020)
- 沈思彤小姐 (香港中文大学)(2020)
- 张伊雯小姐 (英国伦敦帝国学院)(2021)

Strategic Partner (Name in alphabetical order)

Hong Kong SAR, China

- Chow Tai Fook Charity Foundation
- Croucher Foundation
- CUHK Centre for Global Health
- Education Bureau, The Government of the Hong Kong Special Administrative Region
- GX Foundation
- Hong Kong Academy of Medicine
- Hong Kong Jockey Club Charities Trust
- Hong Kong Jockey Club Disaster Preparedness and Response Institute
- Hong Kong Jockey Club Museum of Climate Change
- Hong Kong Observatory, The Government of the Hong Kong Special Administrative Region

伙伴机构 (依机构名称英文字母排列)

中国香港特别行政区

- 周大福慈善基金
- 裘槎基金会
- 香港中文大学全球卫生中心
- 香港特别行政区政府教育局
- 共享基金会
- 香港医学专科学院
- 香港赛马会慈善信托基金
- 香港赛马会灾难防护应变教研中心
- 香港赛马会气候变化博物馆
- 香港特别行政区政府香港天文台

- The Kadoorie Charitable Foundation
- Oxfam Hong Kong
- World Green Organisation
- Wu Zhi Qiao (Bridge to China) Charitable Foundation
- ZeShan Foundation

Mainland China

- Beijing Normal University
- Chinese Center for Disease Control and Prevention
- Center for Disease Control and Prevention, Jilin Province
- Center for Disease Control and Prevention, Yitong County
- Center for Disease Control and Prevention, Qinghai Province
- Center for Disease Control and Prevention, Yunnan Province
- Center for Disease Control and Prevention, Dehong Autonomous Prefecture
- Center for Disease Control and Prevention, Yingjiang County
- Chinese Society of Disaster Medicine, Chinese Medical Association
- Health Emergency Response Office (Public Health Emergency Command Center), National Health Commission
- Institute of Mountain Hazards and Environment (IMHE), Chinese Academy of Sciences
- IRDR ICoE on Risk Interconnectivity and Governance on Weather/Climate Extremes Impact and Public Health (IRDR ICoE-RIG-WECEIPHE), Fudan University
- The Jinpa Project, Qinghai Province
- Lijiang Yulong County Poverty Alleviation and Development Office
- Partners in Hope, Yunnan Province
- School of Public Health, Xi'an Jiaotong University
- Yunnan Health and Development Research Association (YHDRA), Yunnan Province
- Zhuoyue Education

International

- Alliance of International Science Organizations on Disaster Risk Reduction (ANSO-DRR)
- Asia Pacific Disaster Mental Health Network
- Association of Pacific Rim Universities (APRU) Global Health Program
- Centre for Gross National Happiness (GNH Centre), Bhutan
- Centre for Research on the Epidemiology of Disasters (CRED), Université catholique de Louvain, Belgium
- Dhulikhel Hospital, Nepal
- François-Xavier Bagnoud Center for Health and Human Rights (FXB), Harvard University, United States
- Harvard Humanitarian Academy (HHA), Harvard University, United States
- Harvard Humanitarian Initiative (HHI), Harvard University, United States
- Institute of Forestry, Tribhuvan University, Nepal
- Integrated Research on Disaster Risk (IRDR)
- Integrated Risk Governance Project (IRG) (a core research project of Future Earth international research programme)
- Karolinska Institutet, Sweden
- JHU-Tsinghua Doctor of Public Health programme, Johns Hopkins Bloomberg School of Public Health and Institute for Hospital Management of Tsinghua University
- Keio University, Japan
- Khesar Gyalpo University of Medical Sciences of Bhutan
- Marie Stopes International in Nepal
- Ministry of Home and Cultural Affairs, Royal Government of Bhutan
- Ministry of Health, Royal Government of Bhutan
- National Society for Earthquake Technology – Nepal (NSET)
- Nuffield Department of Medicine, University of Oxford, United Kingdom
- Prepare and Response Initiative, Nepal
- Public Health England (PHE), United Kingdom

- 嘉道理慈善基金
- 香港乐施会
- 世界绿色组织
- 无止桥慈善基金
- 择善基金会

中国内地

- 北京师范大学
- 中国疾病预防控制中心
- 吉林省疾病预防控制中心
- 伊通县疾病预防控制中心
- 青海省疾病预防控制中心
- 云南省疾病预防控制中心
- 德宏州疾病预防控制中心
- 盈江县疾病预防控制中心
- 中华医学会灾难医学分会
- 国家卫生健康委员会卫生应急办公室(突发公共卫生事件应急指挥中心)
- 中国科学院山地灾害与环境研究所
- 复旦大学极端天气气候与健康风险互联和治理IRDR国际卓越中心
- 青海省玉树州金巴慈善救助会
- 丽江市玉龙县扶贫开发办公室
- 云南省希望之侣
- 西安交通大学公共卫生学院
- 云南省健康与发展研究会
- 岚皋县佐龙镇卓越托管辅导中心

国际

- 国际防灾减灾科学联盟
- 亚太灾害心理健康网络
- 环太平洋大学联盟全球卫生计划
- 不丹国民幸福指数中心
- 比利时天主教鲁汶大学灾害流行病学研究中心
- 尼泊尔杜利克尔医院
- 美国哈佛大学弗朗索瓦·克萨维埃·巴努中心
- 美国哈佛大学哈佛人道学院
- 美国哈佛大学哈佛人道行动
- 尼泊尔特里布万大学林业研究所
- 灾害风险综合研究计划
- 综合风险管理计划(未来地球国际研究计划核心研究项目)
- 瑞典卡罗琳医学院
- 清华-约翰霍普金斯医疗卫生管理博士项目, 约翰霍普金斯大学彭博公共卫生学院和清华大学医院管理研究院
- 日本庆应义塾大学
- 不丹凯萨尔国王医科大学
- 玛丽·斯特普国际组织尼泊尔代表处
- 不丹房屋及文化事务部
- 不丹卫生部
- 尼泊尔国家地震技术学会
- 英国牛津大学纳菲尔德临床医学院
- 尼泊尔灾难防护应变行动
- 英格兰公共卫生厅





- School of Architecture, Planning and Policy Development, Bandung Institute of Technology (ITB), Indonesia
- Sphere
- Ugyen Academy, Kingdom of Bhutan
- United Nations Development Programme (UNDP) in Nepal
- United Nations Office for Disaster Risk Reduction Asia Pacific Science Technology and Academia Advisory Group (UNDRR APSTAAG)
- World Health Organization Centre for Health Development (WHO Kobe Centre)
- World Health Organization Global Outbreak Alert and Response Network (GOARN)
- World Health Organization Thematic Platform for Health Emergency and Disaster Risk Management (WHO H-EDRM) Research Group
- World Meteorological Organization
- 印度尼西亚万隆理工学院建筑、规划及政策发展学院
- 环球计划
- 不丹乌颜学院
- 联合国开发计划署尼泊尔代表处
- 联合国减灾署亚太科学技术及学术顾问小组
- 世界卫生组织健康开发中心(世卫组织神户中心)
- 世界卫生组织全球疫情警报和反应网络
- 世界卫生组织灾害健康风险管理专题研究组
- 世界气象组织

Collaboration Agreement

- CUHK and University of Oxford on CCOUC
- Center for Disease Control and Prevention, Jilin Province
- Center for Disease Control and Prevention, Qinghai Province
- Center for Disease Control and Prevention, Yunnan Province
- Chinese Center for Disease Control and Prevention
- Chinese Society of Disaster Medicine, Chinese Medical Association
- François-Xavier Bagnoud Center for Health and Human Rights (FXB), Harvard University, United States
- Harvard Humanitarian Initiative, Harvard University, United States
- The Kadoorie Charitable Foundation
- Université catholique de Louvain, Belgium

合作协议

- 香港中文大学与牛津大学
- 吉林省疾病预防控制中心
- 青海省疾病预防控制中心
- 云南省疾病预防控制中心
- 中国疾病预防控制中心
- 中华医学会灾难医学分会
- 美国哈佛大学弗朗索瓦·克萨维埃·巴努中心
- 美国哈佛大学哈佛人道行动
- 嘉道理慈善基金
- 比利时天主教鲁汶大学

Scholarship, Development and Project Grant

* Please refer to p. 58 regarding research grants.

- CCOUC Humanitarian Scholarship (Mr Lik Shuen David Chan via The Chinese University of Hong Kong Foundation, Inc., USA)
- CCOUC Disaster Research Study Scholarship (Anonymous donor)
- Mrs. Catherine SW Chan-Kwok Prize in Humanitarian Field Work (Professor CHAN Chok-wan)
- CUHK Development Grant for the CUHK MOOC titled "Health and disaster preparedness in rural China" (CUHK)
- CUHK Development Grant for the CUHK MOOC titled "The Sphere Project: Humanitarian Charter and Minimum Standards in Humanitarian Response" (CUHK)
- CUHK Development Grant for eLearning Course on United Nations Sustainable Development Goals and Health (CUHK)
- CUHK Development Grant for Online Short Course: Case studies in disaster and medical humanitarian relief in the Asia Pacific region (CUHK)
- Development Grant for Public Health Train-the-Trainer Project in China's Rural Communities (Chow Tai Fook Charity Foundation)
- CUHK Project Grant for Documentation of 2018 National Teaching Award (CUHK)
- CCOUC灾害与人道救援研究所人道奖学金(陈力旋先生经香港中文大学基金会(美国)捐赠)
- CCOUC灾害研究奖学金(佚名捐赠者)
- 陈郭淑云人道救援考察奖(陈作耘教授)
- 香港中文大学慕课发展拨款：中国农村健康及备灾培训(香港中文大学)
- 香港中文大学慕课发展拨款：环球计划及标准：人道救援响应的最低标准(香港中文大学)
- 香港中文大学联合国可持续发展目标与健康电子学习课程发展拨款(香港中文大学)
- 香港中文大学线上短期课程发展拨款：亚太区灾害与医疗人道救援个案研究(香港中文大学)
- 中国农村公共卫生培训者培训计划发展拨款(周大福慈善基金)
- 香港中文大学记录2018国家级教学成果奖项目拨款(香港中文大学)

奖学金、发展及项目拨款

*有关研究拨款，请参阅第58页

- Ethnic Minority Health Project (CUHK and University of Oxford)
- Global Health Internship Program (CUHK)
- Hong Kong -Bhutan Humanitarian Medicine Training and Exchange Programme (Chow Tai Fook Charity Foundation)
- Hong Kong Jockey Club Disaster Preparedness and Response Institute (HKJC-DPRI) (The Hong Kong Jockey Club Charities Trust via Hong Kong Academy of Medicine)
- STEM and Health-Emergency and Disaster Risk Management Field Based Experiential Learning (CUHK)
- Technology and Empowerment: Scaling up of Community Skills in Health Emergency Disaster Risk Management in Rural Communities in China (The Kadoorie Charitable Foundation)
- 少数民族健康计划(香港中文大学及牛津大学)
- 全球卫生实习计划(香港中文大学)
- 香港·不丹人道医疗培训交流计划(周大福慈善基金)
- 香港赛马会灾难防护应变教研中心(香港赛马会慈善信托基金(经香港医学专科学院))
- 科学、技术、工程及数学与灾害健康风险管理实地体验式学习(香港中文大学)
- 科技与赋权: 提高中国农村社区在灾害健康风险管理方面的社区技能(嘉道理慈善基金)

Honour & Award

- 2021
Professor Eliza Cheung
The Spirit of Teamwork Award (Group) - Psychological Support Service Volunteer Team, Hong Kong Red Cross, 9th Spirit of Hong Kong Awards
- 2021
Professor Kevin KC Hung
Hong Kong Humanity Award, Hong Kong Red Cross
- 2019
Professor Emily YY Chan
Nominee, United Nations Sasakawa Award for Disaster Risk Reduction
- 2018
Professor Emily YY Chan
Second Prize, National Teaching Achievement Award (Higher Education), Ministry of Education, China
- 2017
Professor Emily YY Chan
UGC Teaching Award, University Grants Committee of Hong Kong
- 2017
Professor Emily YY Chan
University Education Award, The Chinese University of Hong Kong

荣誉和奖项

- 2021
张依励教授
第九届香港精神奖团队合作奖 - 香港红十字会心理支援服务义工队
- 2021
洪矾正教授
香港红十字会香港人道年奖
- 2019
陈英凝教授
联合国笹川减灾奖被提名人
- 2018
陈英凝教授
中国教育部高等教育国家级教学成果奖二等奖
- 2017
陈英凝教授
香港大学教育资助委员会杰出教学奖
- 2017
陈英凝教授
中大博文教学奖





Join Us

Become a Fellow / Intern

CCOUC offers four fellowship and internship programmes, including:

- *Regional Fellowship*
- *NGO Fellowship*
- *Graduate Fellowship*
- *Internship*

Become a Volunteer

CCOUC welcomes undergraduates, postgraduates and professionals to join its projects as volunteers. All CCOUC volunteers work closely with the project team and play a significant role in the coordination of its field-based activities. Volunteers may be involved in the health needs assessments, health interventions and impact evaluations in field-based humanitarian programmes in the Asia-Pacific Region.

Study with Us

CCOUC offers academic training in disaster mitigation and medical humanitarian crisis response for students from undergraduate to postdoctoral levels with a wide variety of backgrounds. The trainings include lectures, media-supported learning and role-play simulation exercises.

Master of Public Health Programme

At the JC School of Public Health and Primary Care of The Chinese University of Hong Kong, CCOUC offers eight MPH courses, namely:

- *Climate Change and Planetary Health*
- *Disaster and Humanitarian Crisis*
- *Emergency Risk Communication in Disaster and Humanitarian Crisis*
- *Field Action Lab*
- *Food Security: Local and Global Perspectives*
- *Global Health*
- *Global Health Perspectives of Humanitarian Crisis & Human Security*
- *Research Methodology for Disaster and Medical Humanitarian Response*

Online Courses

- *Climate Change and Health*
<https://ccouc.org/climate-change-and-health>
- *Research Methodology for Disaster and Medical Humanitarian Response*
<https://ccouc.org/research-methodology-for-disaster-and-medical-humanitarian-response-4>
- *Global Health Challenge for Human Security*
<https://ccouc.org/global-health-challenge-for-human-security>
- *Core Public Health Concepts for Health Emergency and Disaster Risk Management*
<https://ccouc.org/core-public-health-concepts-for-hedrm>
- *Health System Approach in Managing Disaster*
<https://ccouc.org/health-system-approach-in-managing-disaster>

加入我们

成为学人 / 实习生

CCOUC提供四类学人和实习生计划，包括：

- 区域学人计划
- 非政府组织学人计划
- 研究生学人计划
- 实习计划

成为志愿者

CCOUC欢迎本科生、研究生和专业人士加入成为其项目的志愿者。所有CCOUC志愿者均与项目团队紧密合作，并在协调前线工作上担当重要角色。志愿者会参与其项目所需要的活动，如在农村进行健康需求评估、健康干预和影响评估。

学习

CCOUC为来自不同学科的学生提供从本科到博士后的减灾和人道危机应变学术训练，培训形式包括讲课、媒体支援学习和模拟角色扮演练习。

公共卫生硕士课程

CCOUC在香港中文大学赛马会公共卫生及基层医疗学院提供八个公共卫生硕士课程：

- 气候变化与全球卫生
- 灾难及人道危机
- 灾难和人道危机中的紧急风险传讯
- 实地研习
- 粮食保障:全球及本地视野
- 全球卫生
- 全球卫生视野下的人道危机及人类安全
- 灾害与人道救援研究方法

线上课程

- 气候变化与健康
<https://ccouc.org/climate-change-and-health>
- 灾害与人道救援研究方法
<https://ccouc.org/research-methodology-for-disaster-and-medical-humanitarian-response-4>
- 全球卫生对人类安全的挑战
<https://ccouc.org/global-health-challenge-for-human-security>
- 灾害健康风险管理中的公共卫生核心概念
<https://ccouc.org/core-public-health-concepts-for-hedrm>
- 灾害管理的卫生系统模式
<https://ccouc.org/health-system-approach-in-managing-disaster>

- *Principles of Occupational Health and Challenges of Industrial Disasters*
<https://ccouc.org/principles-of-occupational-health-and-challenges-of-industrial-disasters>
 - *Foundations of Food Security*
<https://ccouc.org/foundations-of-food-security>
 - *International Humanitarian Law*
<https://ccouc.org/international-humanitarian-law>
 - *Basic Sign Language for First Responders and the Public in Health Emergencies and Disasters*
<https://ccouc.org/basic-sign-language-for-first-responders-and-the-public-in-health-emergencies-and-disasters>
 - *Crisis and Risk Communication in Emergencies and Disasters*
<https://ccouc.org/crisis-and-risk-communication-in-emergencies-and-disasters>
 - *Health and Disaster Preparedness in Rural China*
<https://ccouc.org/health-and-disaster-preparedness-in-rural-china>
 - *Humanitarian Charter and Minimum Standards in Humanitarian Response*
<https://ccouc.org/humanitarian-charter-and-minimum-standards-in-humanitarian-response>
 - *Public Health Principles in Disaster and Medical Humanitarian Response (under revision)*
- 环境卫生原理与工业灾害挑战
<https://ccouc.org/principles-of-occupational-health-and-challenges-of-industrial-disasters>
 - 粮食保障基础
<https://ccouc.org/foundations-of-food-security>
 - 国际人道法
<https://ccouc.org/international-humanitarian-law>
 - 卫生紧急情况和灾害中现场急救员及一般公众的基础手语
<https://ccouc.org/basic-sign-language-for-first-responders-and-the-public-in-health-emergencies-and-disasters>
 - 紧急情况和灾害中的危机和风险信息传播
<https://ccouc.org/crisis-and-risk-communication-in-emergencies-and-disasters>
 - 中国农村健康及备灾培训
<https://ccouc.org/health-and-disaster-preparedness-in-rural-china>
 - 人道主义宪章与人道救援响应最低标准：全球计划的实践
<https://ccouc.org/humanitarian-charter-and-minimum-standards-in-humanitarian-response>
 - 灾害与人道救援中的公共卫生原理 (修订中)

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愿景 Our Vision

To maximise health and
minimise adverse impact
of disasters experienced by
vulnerable populations.

致力促进脆弱人群的健康并
减轻灾害给他们带来的负面
影响。

To serve as a platform for research, education and community knowledge transfer in the areas of disaster and medical humanitarian crisis policy development, planning and response. To achieve this mission, CCOUC

为灾害及人道救援危机的政策发展、规划及应对等范畴，提供一个研究、教育及社区知识转移的平台。为实现这项使命，CCOUC灾害与人道救援研究所

- Focuses our unique multidisciplinary public health research team on gathering and evaluating evidence to synthesise concrete knowledge and practical guidelines based on that evidence for disaster preparedness, relief and response; · 由跨学科的公共卫生研究团队就备灾、救援及应对方面收集和评估证据，作具体知识和作业指引的基础；
- Provides training for global academic and frontline disaster relief practitioners; · 提供培训予全球教研及前线救灾人员；
- Establishes academic internship and fellowship programmes to support and enhance technical and research capacity in Greater China and the Asia-Pacific Region; · 设立实习和学人计划，支援及加强大中华及亚太地区内的技术和科研能力；
- Delivers technical seminars to enhance understanding and knowledge transfer of disaster and medical humanitarian response experiences; and · 举办技术研讨会，加强对灾害和医疗人道救援的了解及相关经验的知识转移；
- Publishes materials for teaching, research and historical reference. · 出版用于教育、科研及历史记录的各类参考资料及教材。

使命
Our Mission

