

CONTENTS

	Page
Introduction	1
The One Health Workforce Project	2
Organizational Structure	4
Collaborative Network	5
University and Faculty Members	5
THOHUN Steering Committee	6
THOHUN National Coordinating Office	10
THOHUN Implementation Activities	
Objective 1: OHW Assessment, Planning and Policy Communication	
• Development of One Health core competency domains for the current workforce S Moonsom, IF Chavez, K Waters, S Fenwick, P Singhasivanon	12
• Development of One Health core competency for Thailand current workforce S Moonsom, IF Chavez, P Singhasivanon	16
• Project proposal development workshop S Moonsom, IF Chavez, P Singhasivanon	20
Objective 2: Education & Pre-Service Training of One Health Students (Future Workforce)	
• Integrative One Health modules for current and future One Health workforces K Kreausukon	21
• Development of fundamental One Health core competency course for multidisciplinary students P Amavisit	23
• Development of One Health workforce of Thai university network for community-based learning on infectious diseases prevention S Angkitrakul	25
• International short course on ecosystem health (THOHUN-TELI) S Moonsom, IF Chavez, P Singhasivanon	27
• Attachment of Thai students to provincial One Health Network S Moonsom	33
• Using One Health approach to address challenges of antimicrobial resistance and inappropriate use of antibiotics through training of future health workforces W Katip, P Kanjanarat, R Maktrirat, N Kasatpibal, U Anukool, T Meeyam, P Oberdorfer	35
• Training for future One Health workforce for responding to emerging infectious diseases in companion and exotic animals S Suwanpakdee, N Sangkachai, M Thongdee, L Sariya, P Prompiram, J Taowan, P Saksai, R Phonaknguen, W Thanapongtharm, P Panichabhongse, PK Taisuwan, S Moonsom, IF Chavez, W Wiriyarat	44

Objective 3: Education and In-Service Training of Health Officers, Practitioners and Professionals (Current Workforce)	
• Developing a short training course on surveillance of and rapid response to emerging infectious disease outbreaks in communities for public health personnel in Thailand	A Unahalekhaka 48
• Training current One Health workforce to recognize and respond to emerging infectious diseases in suspected/infected companion and exotic animals	W Wiriyarat 49
• Capacity building and networking of laboratory professionals for zoonotic disease control: intensive training in identification of pathogenic bacteria	P Luangsook, U Anukul, CS Tharinjareon, P Phunpae, N Kongyai, W Chaisowwong, T Meeyam, T Yano, A Sirimalaisuwan, S Moonsom, W Sirirungsri 51
• Stakeholder consultative and gap analysis for in-service training	R Somrongthong 61
• One Health implementation for village health and livestock volunteers	S Sungpradit 63
Objective 4: Faculty/Staff Development and Improved Academic Offerings	
• Development of a One Health online course for academic staff and university students	S Lirtmunlikaporn 67
• Analysis of existing e-learning structure in the college of public health sciences, Chulalongkorn University	N Taneepanichskul 69
• Training the trainers: integration of One Health core competency for multi-discipline workforces	P Amavisit 71
• Development of e-learning of zoonotic diseases	R Khattiya, T Yano, W Hueston, N Kongdee, S Boonchu 72
Objective 5: Organizational Development of Sustainable OHUNs	
• Leadership development program	S Moonsom, IF Chavez, P Singhasivanon 78
• Scholarships for One Health event participation	S Moonsom, IF Chavez, P Singhasivanon 80
One Health Operational Research under THOHUN Research Grants	81
• Whole genome sequencing of extended-spectrum beta-lactamase-producing <i>Escherichia coli</i> isolated from patients, farm waste and canals in Thailand	C Runcharoen, KE Raven, S Reuter, T Kallonen, S Paksanont, J Thammachote, S Anun, B Blane, J Parkhill, SJ Peacock, N Chantratita 82
• Risk factor identification, disease surveillance and One Health application for intestinal amoebiasis prevention and control in endemic areas	AR Pawestri, K Thima, S Leetachewa, P Maneekan, S Moonsom 84
• Prevalence and genetic variations of bovine and bovine-like enteroviruses detected in cattle and goat feces and in water sources surrounding animal farms in Kanchanaburi province, Thailand	N Income, N Kosoltanapiwat, S Taksinoros, T Homat, P Leungwutiwong, P Maneekarn, IF Chavez 86

• Distribution, co-infection and clinical significance of arboviruses in southern Thailand	88
..... S Suwanmanee, P Surasombatpattana, R Hamel, D Misse, N Luplertlop	
• A framework development to promote collective action in community within one health household environment practice to prevent and control dengue fever in central region of Thailand	89
..... W Parunawin, O Laosee, W Ounsaneha, C Rattanapan	
• Prevalence of <i>Cryptosporidium</i> spp. Infection in dairy calves in Khon Kaen province, Thailand	90
..... P Doungmala, P Phuektes, W Taweenan, S Sangmaneedet	
• Prevalance and risk factors for methicillin-resistant <i>Staphylococcus aureus</i> in swine-production personnel in Chiang Mai-Lamphun province, Thailand	91
..... P Rongsanam, T Yano, D Tamdee, U Anukool	
• Plasmid-mediated colistin resistance in swine farms	92
..... P Ketkhao, S Thongratsakul, C Poolkhet, S Juangphanich, A Worarach, P Poolperm, P Amavisit	
List of abbreviations	93