

Conference Program

January 7th, 2015

08:00 Registration

09:00 Opening Ceremony, chaired by **Prince Peesadej Ratchanee**

09:30 Keynote by **Prince Peesadej Ratchanee**, President of Royal Project Foundation or representative: “The Royal Project Foundation: The Starting Point of Highland Development in Thailand.”

10:00 Keynote by **Prof. Dr. John Lindsay Falvey**, Melbourne University, Australia: “Sustainable Development in the Thai Highlands; the experience of the Thai-Australian Development Project.”

10:30 Group photo

10:45 Coffee break

11:00 Keynote by **Prof. Dr. Pongsak Angkasith**, Former President of Chiang Mai University: “Role of Faculty of Agriculture and Chiang Mai University in Highland Agricultural Development”

11:30 Keynote by **Prof. Dr. Joachim Müller**, University of Hohenheim, Germany: “Technological innovations in tropical highlands”

12:00 Lunch break

13:00 Thematic session part 1 (4 parallel sessions)

15:00 Break

15:30 Thematic session part 2 (4 parallel sessions)

17:30 Break

18:30 Conference dinner

January 8th, 2015

08:00 Registration

09:00 Keynote by **Dr. Annie Wesley** International Development Research Centre, Canada: “Role of Research and Impact Pathways for Improved Nutrition and Food Security in Uplands”

09:30 Keynote by **Dr. Siripong Hungspreug**, Director of Highland Research and Development Institute

10:00 Coffee break

10:30 Poster session

11:30 Lunch break

13:00 *Thematic session part 3* (4 parallel sessions)

14:40 Break

15:10 *Thematic session part 4* (3 parallel sessions)

17:30 Closing Ceremony

January 9th, 2015: Conference excursion

08.30 Departure from the Empress Hotel

10:00 Visit to Nong Hoi Royal Project Development Center

12:30 Lunch

13:30 Visit to Mon Cham Mountain View Point

15:30 Back to the Empress Hotel

Thematic session 1: Wednesday, 7th of January 2015

1.1 Biodiversity and resource management in highland communities

13:00:00	1	Shinji Fukuda	Data-driven modelling for agricultural sciences
13:20:00	2	Peter Hoare	Community networking for improved highland fire management
13:40:00	3	Renezita Sales-Come	Community-Based Forest Management and Biodiversity Conservation Strategies in Dipterocarp Forests in Silago, Southern Leyte, Philippines
14:00:00	4	Jarunee Pilumwong	Local Biodiversity Restoration for Food Bank in the Highland Community
14:20:00	5	Taparat Seeloy-ounkeaw	Carbon Storage Potentials in Highland Community Forests, Northern Thailand
14:40:00	6	Korawan Sringarm	An overview of medicinal and aromatic plants from Northern Thai Highland areas with potential for greenhouse cultivation

1.3 Food security in highland communities

13:00:00	13	Jochen Weiss	Novel approaches to structure agricultural raw materials to create value-added food products
13:20:00	14	Panomsak Promburom	Multi-level Assessment of Food Insecurity in Chiang Mai Province
13:40:00	15	Budsara Limnirankul	Building Local Capacities in Natural Resources Management for Food Security in Highland of Northern Thailand
14:00:00	16	Budsara Limnirankul	Community Participation in Developing and Assessing Household Food Security in the Highlands of Northern Thailand
14:20:00	17	Prasit Wangpakapattanawong	Agroecology, food security, and nutrition in the highland of northern Thailand
14:40:00	18	Chheanghong Eng	Food and Nutrition Security of Farming Households with 2-5 Years Old Children as Influenced by Selected Governance Factors in Chet Borei District, Kratie Province, Cambodia

1.2 Small-holder farmers, cooperatives and networking

13:00:00	7	Horst Weyerhäuser	Adaptation strategies of farming communities in Central Asian mountains
13:20:00	8	Anthony Walker	As It Used to Be: Farming Strategies in a Lahu Village Half a Century Ago
13:40:00	9	Joshua Ringer	Small-Holder Farmer Experience and Strategies Rebuilding Food Production Ability in Resource-Poor Post-Conflict Upland Farming Communities in Myanmar
14:00:00	10	Huyen Le Thi Thanh	Motivation for cooperative group membership of local pig producers in the northern mountains of Vietnam and their response to market changes
14:20:00	11	Nathitakarn Pinthukas	Farmers' Perception and Adaptation in Organic Vegetable Production for Sustainable Livelihood in Chiang Mai Province
14:40:00	12	Kazuo Ando	An Agro-networking society in the eastern Himalayan Highland: A case of Monpa Model of Arunachal Pradesh, India

1.4 Land use assessment and soil science

13:00:00	19	Karl Stahr	A new detailed soil map of northwestern Thailand as an important source for planning sustainable landuse
13:20:00	20	Melvin Lippe	An integrated assessment to simulate the potential future impact of land-use change on above-ground carbon in Mountainous Northern Thailand
14:20:00	21	Chalernpol Samranpong	Assessment of THEOS and Landsat 5 TM Satellite Images on Highland Agricultural Land Use Monitoring
14:00:00	22	Benchaphun Ekasingh	Scenario analysis for multiple goal achievement of sustainable agricultural land use in Northern Thailand
13:40:00	23	Suwimon Wicharuk	Influence of local agricultural practices on soil properties under different land use types in Northern Thai Highlands
14:40:00	24	Rando Sekiguchi	Effect of hot water soil sterilization on soil physical properties of aggregated volcanic ash soils.

Thematic session 2: Wednesday, 7th of January 2015

2.1 Water resources and watershed interactions

15:30:00	25	Wolfram Spreer	Irrigation in highland areas
15:50:00	26	Shinya Takeda	Changing Land Use and Water Management in a Ladakhi Village of Northern India
16:10:00	27	Soontorn Khamyong	Roles of Agroforest Ecosystems on Water Storages in Highland Watershed, Northern Thailand
16:30:00	28	Chanchai Sangchyoswat	Evaluation of Water Use Efficiency in Highland Watershed Area
16:50:00	29	Yutaka Matsuno	Water Environment of Agricultural Reservoirs in Nara Basin, Japan
17:10:00	30	Taweesak Viyachai	Development of cut chrysanthemum production in two soilless systems

2.3 Management, market access and commercialization in the highlands

15:30:00	37	Benchaphun Ekasingh	Recognition of Highlanders' Diversity as a Strategy for Sustainable Highland Development
15:50:00	38	Azamat Azarov	Improved management potential for small-scale farming systems in the Tien Shan Mountains of Kyrgyzstan
16:10:00	39	Trong Phuc Ho	Determinants of Profit Inefficiency Among Hybrid Rice Farmers in Central Vietnam
16:30:00	40	Thuy Nguyen	Spatial linkage of regional rice markets in the Philippines
16:50:00	41	Panitpim Sittisak	Trade-offs between the Economic, Social and Environment Objectives in Optimal Resource Management in the Fang Watershed, Chiang Mai Province, Thailand
17:10:00	41a	Nguyen Thi Ngoc Thuong	Livelihood of farm households after land revocation: A case study in Song Khe commune, Bac Giang city, Bac Giang province, Vietnam

2.2 Highland community development

15:30:00	31	Pepijn Schreinemachers	Too much to handle? Pesticide exposure in commercialized upland agriculture in Southeast Asia
15:50:00	32	Nobumasa Hatcho	Establishment of sustainable water management through the participation of local resource users
16:10:00	33	Patrick Artur Groetz	Rural Innovations and Their Impact in Southeast Asian Mountains - the Case of the Nabanhe National Nature Reserve in Yunnan, Southwest-China
16:30:00	34	Vera Tekken	Impacts of societal transformation on land management in traditional mountainous rice landscapes in Vietnam and the Philippines
16:50:00	35	Joan Bastide	Vulnerability assessment of mountain communities in Lao PDR: towards a framework for action
17:10:00	36	Tinnarat Pitakpongjaroen	Optimal Production Systems in Highland Community in Chiang Mai Province

2.4 Freshwater fish production and animal health

15:30:00	42	Chanagun Chitmanat	Upland Aquaculture in Thailand
15:50:00	43	Worawit Maneepitaksanti	First record of ectoparasite for Siamese bat catfish (<i>Oreoglanis siamensis</i> , Smith, 1933) from the Inthanon Mountain, Chiang Mai, Thailand
16:10:00	44	Warren Come	Ethno-veterinary practices in marginal upland areas in Inopacan Leyte, Eastern Visayas, Philippines
16:30:00	45	Intira Intarak	Effects of Slaughter Weight on Carcass and Meat Characteristics of Punga Fish (<i>Pangasius bocourti</i> Sauvage)
16:50:00	46	Autchara Kayan	Effects of Slaughter Weight on Carcass and Meat Quality of Nile Tilapia (<i>Oreochromis niloticus</i>)
17:10:00	46a	Tran Quang Hung	Apparent Digestibility of Selected Feed Ingredients for Black Carp, <i>Mylopharyngodon piceus</i>

Thematic session 3: Thursday, 8th of January 2015

3.1 Impact of climate change and weather variability on highland agriculture

13:00:00	47	Attachai Jintrawet	Climate variability and seasonal crop yield forecast in Thailand
13:20:00	48	Kanita Ueangsawat	Fate of ENSO phase on Upper Northern Thailand, a case study in Chiang Mai
13:40:00	49	Chung Nguyen Thi	Impact of seasonal weather variability on rice production in central highland of Vietnam.
14:00:00	50	Thuyen Pham Thi	Farmers' Evaluation of Adaptation Options To Climate Pressure On Highland Robusta Coffee Production, Daklak Province, Vietnam
14:20:00	51	Uy Tran Cao	Factors Impact on Farmers' Adaptation to Drought in Maize Production in Dakrong District, Quang Tri Province, Vietnam

3.3 Fruit production for international markets

13:00:00	57	Daruni Naphrom	Improvement of Coffee Production of Small-scale Farmer on Highland, Om-koi District, Chiang Mai Province, Thailand
13:20:00	58	Nudee Charoenkit	Modeling the relationship between hormone dynamics and off-season flowering of litchi by using Random Forests
13:40:00	59	Van Thanh Nguyen	Banana farmers' sustainable agriculture behaviors in the Vietnam uplands: the case of Quang Tri Province
14:00:00	60	Marcus Nagle	Research and development of sorting technologies for mango fruit
14:20:00	61	Quy Bui Hong	Input and Output Commercialization of Poor and Non-Poor Lychee Farmers in Luc Ngan District, Bac Giang Province, Vietnam

3.2 Renewable energy use in mountainous areas

13:00:00	52	Xiongkui He	Status of new energy crop planting in China
13:20:00	53	Khambai Phunthavongsa	Socio-economic factors affecting on Jatropha biofuel production adoption on smallholder farmers in upland area, North Lao PDR
13:40:00	54	Melvin Lippe	Using a life-cycle assessment approach to examine the potential of rubber seeds as new biodiesel feed stock source
14:00:00	55	Matthias Inthachot	Use of hydraulic ram pumps for irrigation in remote highland areas
14:20:00	56	Wolfram Spreer	Properties of bio-char from different feedstock produced in a low cost kiln

3.4 Small scale pig and chicken production in highland communities

13:00:00	62	Sanchai Jaturasitha	Native Chicken as a Potential Protein Source in the Highland of Thailand
13:20:00	63	Jinda Glinoubol	Effects of Crossbred on the Carcass and Meat Quality of Thai Native or Duroc with Pietrain Pigs
13:40:00	64	Kerstin Schoell	The influence of intervention projects on pig production marketing groups in Vietnam
14:00:00	65	Philipp Muth	Carcass grading for local Vietnamese Ban pigs and its potential for a quality feedback system in a short food supply chain
14:20:00	66	Watchara Laenoi	Phenotypic Characterization and Farm Management of Indigenous Chicken Reared in Highland Region of Phayao Province

Thematic session 4: Thursday, 8th of January 2015

4.1 Cereal production in the highlands

15:10:00	67	Chanakan Prom-u-Thai	Variation of grain nutritional quality among Thai purple rice genotypes grown at different locations
15:30:00	68	Janjira Rungcharoen	Rice Research and Development in Highland Communities
15:50:00	69	Nobutaka Ito	Rice is a Strategic Key Resource for ASEAN Economic Community
16:10:00	70	Shinji Fukuda	Application of Random Forests for modelling rice yield from monthly weather data in Ibague, Colombia
16:30:00	71	Sanginboy Sanginov	Wheat based double cropping system in various vertical belts of mountainous Tajikistan
16:50:00	72	Adirek Punyalue	Reduce burning in maize production by relay cropping with legumes

4.3 Post-harvest management of highland products

15:10:00	79	Eriko Yasunaga	Distribution Condition and Physiological Change in Mango Fruits Transported from Thailand to Japan
15:30:00	80	Pichaya Poonlarp	Research and Development on Increasing Efficiency of Vegetables Postharvest Management in the Royal Project
15:50:00	81	Sangtiwa Suriyong	Influence of storage conditions on change of hemp seed quality
16:10:00	82	Suchada Vearasilp	Radio Frequency Heating on Lipid Peroxidation, Decreasing Oxidative Stress and Aflatoxin B1 Reduction in <i>Perilla frutescens</i> L. Highland Oil Seed
16:30:00	83	Suchada Vearasilp	Vertical Operating Prototype Development Supported Radio Frequency Heating System in Controlling Rice Weevil in Milled Rice

4.2 Ruminant and pastures in highland areas

15:10:00	73	Boonlom Cheva-Isarakul	session keynote
15:30:00	74	Trevor Gibson	Faculty Agriculture, CMU and Highland Pasture Agronomy
15:50:00	75	Kittipong Samootkwam	Effect of Improving Lamphun Cattle with Black Angus on Carcass and Meat Quality
16:10:00	76	Takafumi Gotoh	Impacts of feeding patterns with concentrate and/or roughage on body weight and intramuscular fat content at slaughter in Wagyu and Holstein steers
16:30:00	77	Elsaid Oudah	Productive and Reproductive performance of Imported French Alpine Goats under Subtropical Conditions in Egypt
16:50:00	78	Tossapol Moonmanee	Relationships among feed intake, blood metabolites, follicle size, and progesterone concentration in ewes exhibiting or not exhibiting estrus after estrous synchronization in the tropics

4.4