



Pha Tad Ke Botanical Garden

Newsletter Nr. 13 - June 2014

PHA TAD KE - THE CLIFF TO UNTIE AND RESOLVE

Some times people ask me what we do here the whole day, so here is part of our ongoing work: Six months of capacity building at PTK with generous support of many different partners.

RIK GADELLA, PHA TAD KE BOTANICAL GARDEN

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in Pha Tad Ke Botanical Garden

*The Pha Tad Ke Newsletter is distributed 3 times a year via e-mail.
Big thanks to our volunteer collaborators, and if anyone is interested to writing
articles or help us with occasional translations please let us know. © Pha Tad Ke
& the authors, 2014. Subscription at www.pha-tad-ke.com*



ຫວ້າ - Syzygium sp, Myraceae



ໄຮໃບໃຫຍ່ - *Ficus glaberrima*, Moraceae

Friends of Pha Tad Ke Botanical Garden

In January 2010 the Friends of Pha Tad Ke Association was created in France followed in July 2011 in the Netherlands and September 2011 in Laos. Each of these non-profit associations helps the creation of the Pha Tad Ke Botanical Garden with scientific support, fund raising efforts and educational projects. In addition the Luang Prabang Fund for Culture and Conservation that was created in 2011 in the USA accepts donations that are tax-deductible for the benefit of Pha Tad Ke Botanical Garden or other cultural and conservation projects in the Lao PDR.

Helping the Friends of Pha Tad Ke will allow you to follow the day-to-day evolution of the garden, look behind the scenes of its operations and participate in the Pha Tad Ke adventure !

Information: www.friends-pha-tad-ke.com

When you become a member for the creation phase, your 5-year (2010-2014) membership will entitle you to:

Member - € 100:

- Our newsletter (3 times a year, english/french) contains news about the garden, on-going work and actions, and articles about the flora, arts and culture of Laos.

Friend Member - € 300:

- Private visit to PTK, including boat trip and picnic (for 2 pax, booking required)
- A 30% reduction on the garden's publications and products (except Folies)
- Access to our favoured travel agent in Laos, reductions on hotels and restaurants etc. (see list of the partners of the Friends)
- Mention of your name on our website
- An invitation for two people to the official opening.

Support Member - Institutions & Companies - € 2,000:

- Mention of your name on our website with your logo
- Discount of 10% on one of our editions « Folies »
- A private reception at the pre-opening for a group from your institution/company.

Donor Member - € 5,000 €, or more:

- Discount of 10% on two of our editions « Folies »
- Inclusion of your name on the donor plaque at the entrance to the garden.

Members can increase their involvement in the creation of Pha Tad Ke by supporting one or more of our individual projects:

• **Adopt a tree: from € 50 to € 2,000**

Buying and planting a tree is only a beginning. It must then be fed, cared for and pruned. This takes time, money and care. Love your tree and adopt a seedling or a mature tree.

• **Sponsor a Bookparty: € 400**

Guided visits to the gardens for groups of children or students, who will spend a day learning about Pha Tad Ke's work and plants. The package includes transport to the garden and lunch. At the end of the day, every participant will receive a copy of our specially published books.

• **Sponsor a student: € 4,400 for 4 years**

In conjunction with three institutions, PTK has set up a grant for the best first-year student. At the end of the first year of study, the winning student will be offered a scholarship that will allow him or her to continue his or her studies. In exchange, the recipient will be required to do a two-month work placement at the garden during summer recesses and to work at the garden for one year at the end of his/her studies.

• **Sponsor a research post: € 1,800 for one year**

Given the heavy workload at the university and the very low salaries in Laos, there is little time left for building research projects. With this grant PTK will enable a post doc to do a year's research on a topic chosen in consultation with PTK.

• **Sponsor a field trip: € 10,000**

In conjunction with the Royal Botanic Garden Edinburgh, we have set up a three-year partnership to train our horticultural team and to carry out an ambitious program of monthly field trips to gather specimens for a collection of living plants that will be unique in Laos. At the same time we will collect specimens for a herbarium. Each trip will require a substantial investment in time and money but this work is imperative as it will form the very foundations of our garden and its collections.

• **Sponsor a building: from € 15,000**

Several buildings will be required to house our collections and staff, and provide facilities for visitors. These buildings will include: Nurseries (€ 15,000), Orchid House (€ 27,000), Butterfly Farm (€ 32,000), Reception area (€95,000), Restaurant (€ 95,000), offices for research staff (€ 130,000), Traditional Medicines House (€ 135,000) and Library or Herbarium (€ 190,000).



November 29 / December 14, 2013
Workshop Singapore Botanic Garden

Somdy Oudomsack (Head Gardener), Saysamone Inthavong and Khamphat Thongchan (Horticulturists), were invited by Singapore Botanic Garden for a workshop in Garden Design and Planting Techniques. Supervised by Dr. Nura Abdul Karim (Plant Records Manager) they spend 2 weeks in the facilities and various departments and nurseries of this excellent garden. The honourable Tan Jiew-Hoe dedicated his precious time and energy to take them to visit the newly established Garden on the Bay and several other parks.

Funding: Singapore Botanic Garden, Brennan Family Foundation/APHEDA and the honourable Mr. Tan Jiew-Hoe (president of the Singapore Horticultural Society).



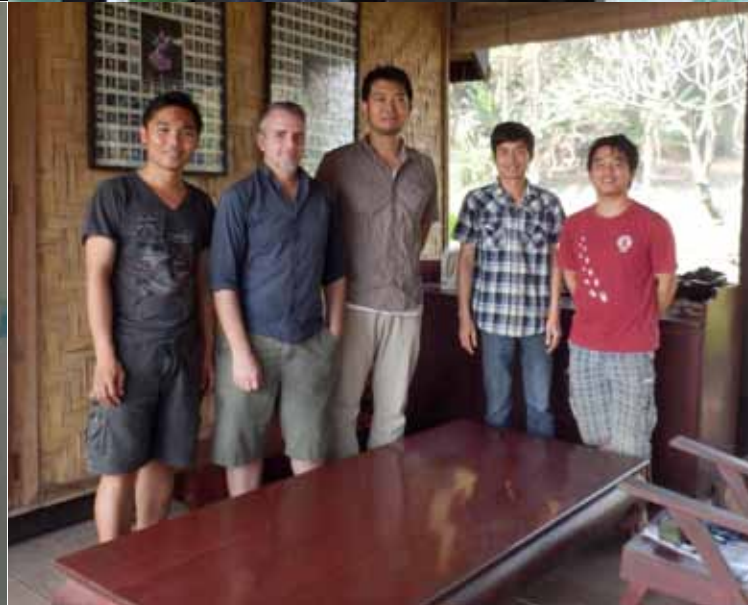
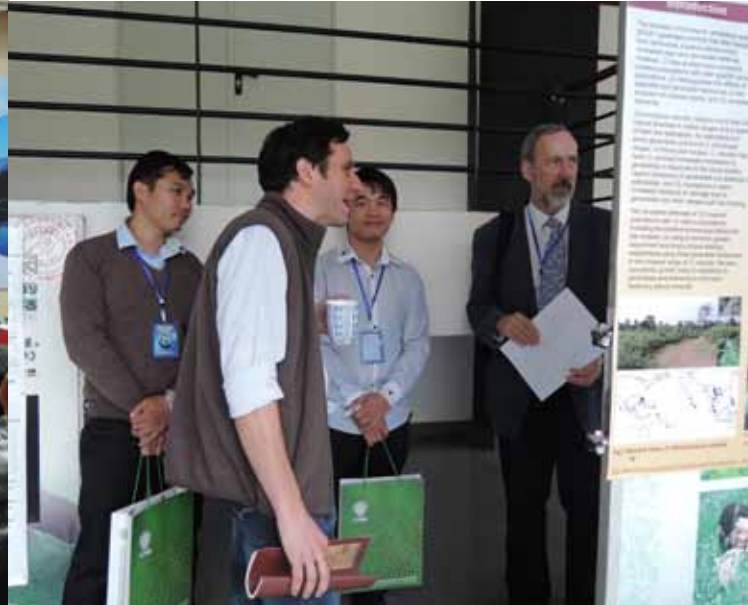
January 5/9, 2014
Study Trip Traditional Medicine Center, Vientiane

Kittisack Phouthavong (Botanist) and Salat Phanyason (Horticulturist) joined with teachers from Northern Agriculture and Forestry College (NAFC) in a training at Vientiane Traditional Medicine Center.



Established in 1976, the Traditional Medicine Research Center (TMRC) is the only institution of its kind in Laos dedicated to ongoing research on traditional Lao medicine and the use of medicinal plants. Special focus was given in this training to the process of the production of medicine from plant materials, such as herbal teas as well as capsules etc.

Funding: SURAFCO / NAFC



January 10/19, 2014

3rd Xishuangbanna Tropical Botanic Garden Symposium on Climate Change and Botanical Gardens

Insavai Sitthivohane (Ecological Projects), Somdy Oudomsack (Head Gardener), Kithisak Phouthavong and Keoudone Souvannakhoummane (Botanists) were invited by XTBG to participate in their 3rd International Symposium. A great occasion to meet scientists from all over the world and Keoudone Souvannakhoummane presented a poster on the Conservation of Zingiberaceae in Lao PDR. After the congress extensive visits of the nurseries and herbarium facilities resulted in discussions for future collaborations especially with Dr. Akihiro Nakamura

Funding: XTBG, PTK, Brennan Family Foundation/APHEDA



March 1/31, 2014

**Horticulture Training Queen Sirikit
Botanic Garden in Chiang Mai**

For one month four PTK horticulture staff: Nang Nhay Wongchan, Bounsi Kham-khoueng, Veo Dalavong and Xaisamon Inthavhong received extensive practical training from QSBG staff in Orchid and Decorative plants care and breeding.



The Phongkhai village near Chiang Mai was visited to learn how to manage orchid conservation and reforestation project at Doi Inthanone. QSBG also organised several excursions for PTK staff amongst others to the forest at Doi Phui and Doi Suthep.

Funding: QSBG, PTK and TABI



March 21/27, 2014

**Sydney Royal Botanic Gardens -
Mount Annan**

Daniel Bishop (Manager Horticulture), Geoff Duggan (Manager Technical Services and Landscape Planning) and Graeme Errington (Technical Officer Rainforest Seed Research Plant Bank) visited PTK to assess and discuss future collaborations on general horticulture and the possibility to start a seed collecting program with a seed bank facility.

As part of a larger program to support capacity building in the SE Asian Region, they advise a garden currently under construction in Dalath, Vietnam and have organised training programs in collaboration with BGCI and Singapore Botanic Garden.

Funding: SRBG, HSBC Australia, PTK



March 24 / April 7, 2014

**CERTIFICATE COURSE IN
BIODIVERSITY CONSERVATION &
PROTECTED AREA MANAGEMENT IN
LAOS at NUoL**

Insavai Siththivohane (Ecological Projects and Office Manager at PTK) participated in this 2-weeks course organised at the National University of Laos in Vientiane in collaboration with professors of Faculty of Science and Faculty of Forestry, with teaching assistance and case studies provided by the Wildlife Conservation Society (WCS). The course included a 3-days field trip to Phou Khao Khouay National Protected Area. 18 participants from 6 organizations participated.



Funding: PTK



April 23/29, 2014

Arborist Workshop at PTK

Mister John Learned from the USA provided a 1-week training on tree maintenance and pruning techniques for PTK staff. Staff from local Forestry Department of Chompeth district were invited to participate.

Tree maintenance is an important element in the gardens' work, to keep the trees healthy, give them more beautiful shapes and to stimulate their fruit production.

Over 300 trees were planted last year in the PTK arboretum alone and good care is an important task for now and the future when they grow old and big.

Funding: PTK



May 1/31, 2014

**Horticulture Training Queen Sirikit
Botanic Garden in Chiang Mai**

For one month six PTK horticulture staff: Somphanh Cheryiasong, Houmpheng Soudaphone, Chan Phanh Vongthavichit, Salat Phanyason, Sengthong Soulinnaphou and Siphon Bounthongsy received extensive practical training from QSBG staff in Horticultural care and maintenance of NTFP's, Medicinal Plants and upland tree species. Somphanh Cheryiasong and Siphon Bounthongsy spent additional time at the Doi Suthep Royal Project for training on Ferns and Salat Phanyason and Sengthong Soulinnaphou participated in a workshop on ethno-botany held at QSBG from 19 to 23 May.

Funding: QSBG, PTK and TABI



June 5/8, 2014

**Visit and signing MOU with TISTR:
Thailand Institute of Scientific and
Technological Research**

Esteemed guests were:

Mr. Yongvut Saovapruk

Governor

Dr. Suparp Artjariyasripong

Deputy Governor of R&D for Bio-industries

Dr. Piya Chalermglin

Chief Research Expert

Mr. Sayan Tanpanich

Director of Agricultural Technology Department

Dr. Jittra Wannawichitra

Director of Office of Certification Body

Ms. Chanchira Sinoulchan

Director of International Relations Division

Dr. Montree Keawdoug

Director of Lam Takhong Research Station

Dr. Promote Triboun

Researcher of Agricultural Technology Department





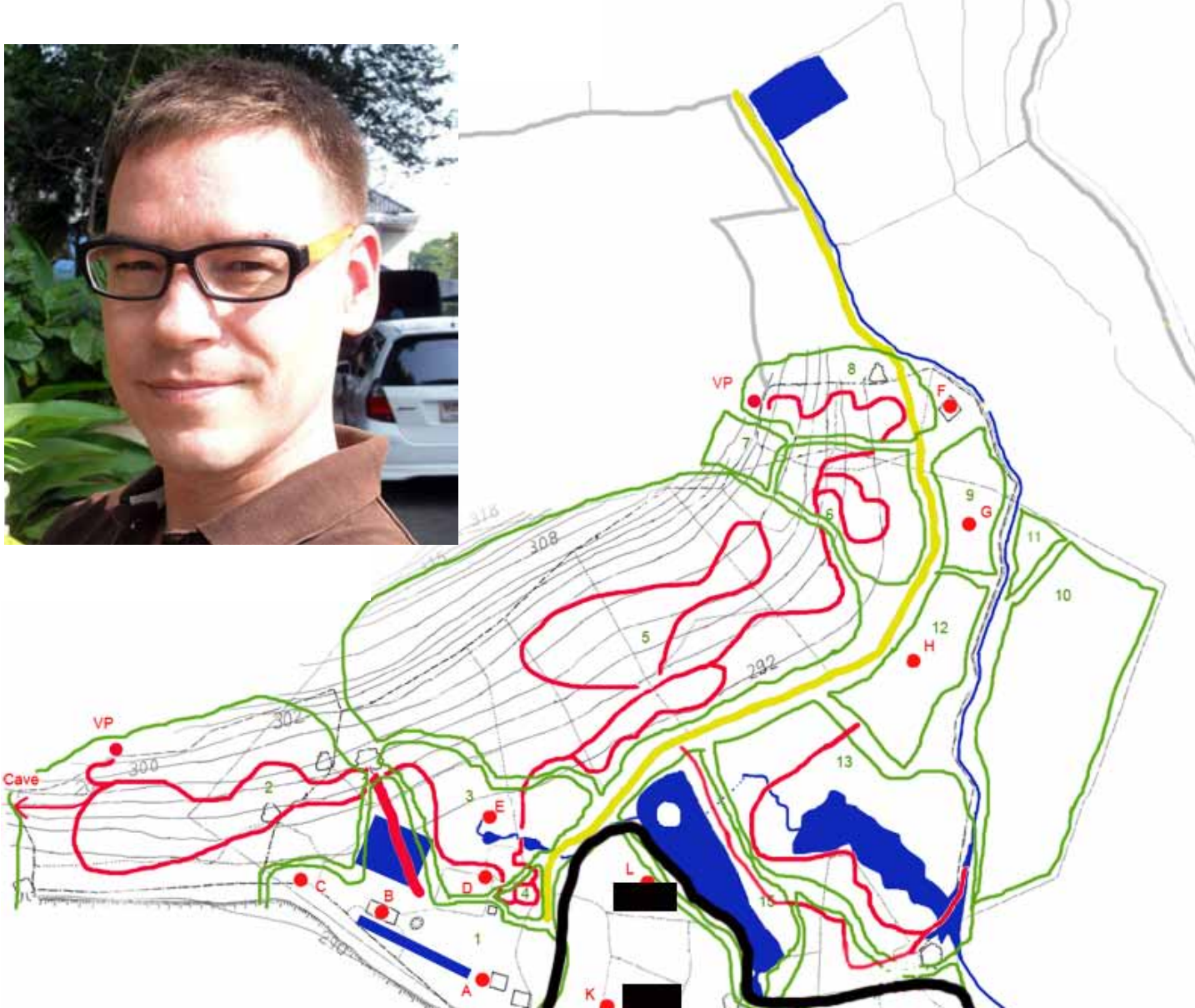
June 9/14, 2014
Management Coaching

In collaboration with PUM and LANITH we organized at Pha Tad Ke a Management Coaching session under the direction of AnneMarie Buschers from the Netherlands. This training targeted mid-level Lao managers of small and medium-sized enterprises to develop the skills and characteristics needed to be a confident, independent, and resourceful leader within their workplace.

For five days participants from culture orientated companies in Luang Prabang joined this session at PTK while a similar session was organised for the hospitality business at LANITH from June 2 to 6.



Funding: PUM, LANITH and Participants



July 5/15, 2014

Landscape Design Workshop at PTK

Goustan Bodin a French landscape architect based in Bangkok will provide a ten day workshop to PTK staff on landscape design.

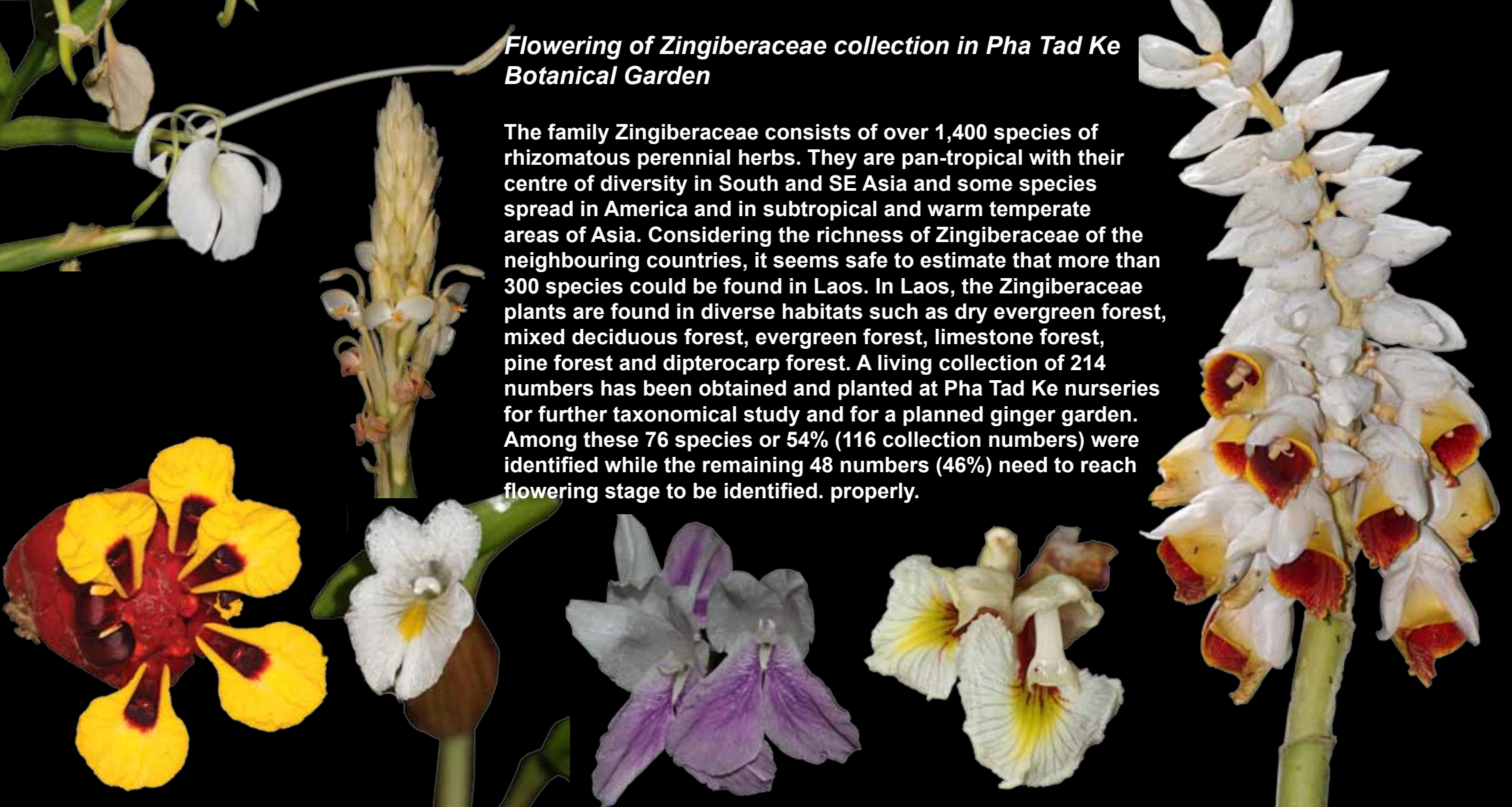
The goal of the training is to provide PTK staff with a clear method to follow when designing with plants. The training will address theoretical aspects of designing with plants and be followed by practical tests.

The training will be fed with illustrations and discussions about planting schemes in international botanical gardens

Funding: PTK

Flowering of Zingiberaceae collection in Pha Tad Ke Botanical Garden

The family Zingiberaceae consists of over 1,400 species of rhizomatous perennial herbs. They are pan-tropical with their centre of diversity in South and SE Asia and some species spread in America and in subtropical and warm temperate areas of Asia. Considering the richness of Zingiberaceae of the neighbouring countries, it seems safe to estimate that more than 300 species could be found in Laos. In Laos, the Zingiberaceae plants are found in diverse habitats such as dry evergreen forest, mixed deciduous forest, evergreen forest, limestone forest, pine forest and dipterocarp forest. A living collection of 214 numbers has been obtained and planted at Pha Tad Ke nurseries for further taxonomical study and for a planned ginger garden. Among these 76 species or 54% (116 collection numbers) were identified while the remaining 48 numbers (46%) need to reach flowering stage to be identified. properly.





ຂ່າມານເຫຼືອງ - *Alpinia mutica*, Zingiberaceae

© K. Souvannakhoummane



ຂ່າມານແດງ - *Alpinia napoensis*, Zingiberaceae

© K. Souvannakhummane



ຂ່າກິບຂາວ - *Alpinia zerumbet*, Zingiberaceae

© K. Souvannakhummane



ໝາກກູ້ບ້ານ - *Amoumum dealbatum*, Zingiberaceae

© K. Souvannakhummane



ໝາກແຫ່ງດອກຂາວ - *Amomum repoensis*, Zingiberaceae

© K. Souvannakhoumane



ໝາກແຫ່ງໃຈເຫຼືອງ - *Amomum prionocarpum*, Zinberaceae

© K. Souvannakhummane



ຫວ້ານຈິດແດງ - *Boesenbergia cf. petiolata*, Zingiberaceae

© K. Phouthavong



ຫວ້ານຈິດເຫຼືອງ - *Boesenbergia sp. nov.*, Zingiberaceae

© K. Phouthavong



ຫວ້ານເອື້ອງດິນ - *Gagnepainia thoreliana*, Zinbieraceae

© K. Phouthavong



ຫວ້ານໃບລາຍ - *Kaempferia rotunda*, Zingiberaceae

© K. Souvannakhoumane



ກະຈຽວມ່ວງດອກນ້ອຍ - *Curcuma parviflora*, Zingiberaceae

© K. Souvannakhoumane




ກະຈຽວປາກແວ້ງ - *Curcuma cf. rhomba*, Zingiberaceae

© K. Phouthavong



ຫວ້ານດັກແຕ້ - *Stahlianthus macrochlamys*, Zingiberaceae

© K. Phouthavong



Project Space • Luang Prabang
(hors les murs)

Dear Friends,

we are very happy to announce the first exhibition of Project Space
(Hors les Murs) with the work of Tcheu Siong and Phasoa Lao.

APPLIQUES HMONG - TCHEU SIONG & PHASAO LAO
AT BAN NAXAY MAISON DE LA CULTURE, VIENTIANE
EXHIBITION: JUNE 6 - JUNE 30

Ban Naxay, Thanon Nongbone
OPEN: MON - SAT: 10am – 5 pm

Vernissage: Friday June 6 at 6:30 pm
Tel. 020 5561 2049 (M.Kongphat) Baj Strobel 020 7770 4935

Project Space • Luang Prabang
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