

Academy of Engineering and Technology of the Developing World (AETDEW)

A Proposal for ASEAN-China Collaboration: Twinning of Villages between ASEAN and China

1.0 Introduction

As a member of the delegation of the Malaysia-China Friendship Association to Beijing 14-20 May 2023, I visited the ASEAN-China Center (the Center) and was very impressed by the activities of the Center. There is no doubt that the Center has contributed to the close social and economic relations between China and ASEAN such that ASEAN has become the largest trading partner of China in the highest growing region of the world. This is really a testament to the Malaysian national psyche “Prosper Thy Neighbours”.

During the visit to Beijing, I also tried to revive and expand collaborative programs of AETDEW with our Chinese partners on South-South Cooperation in human resource and science and technology development of developing countries through the Belt and Road Initiative. In meeting in the Beijing Technology and Business University (BTBU), suggestion was made to twin villages in Beijing and Malaysia in the course of deliberation on United Nations Sustainable Development Goals (SDGs).

2.0 Poverty Eradication in China

The 17 SDGs with 169 targets are too comprehensive and all-embracing for most developing countries with limited resources and human capital to achieve by 2030. Developing countries should concentrate their limited resources in achieving SDG No. 1 “No Poverty”. Poverty breeds all the social ills in any nation, region and the world. If the populations of the developing countries are not able to lift themselves out of poverty, their societies and nations have little hope of achieving the other 16 SDGs by 2030.

The outstanding example has been China that has focused on poverty eradication first. In 2021, China announced the spectacular achievement of lifting 800 million of her population out of poverty. This is without parallel in human history! What is even more amazing is that the 800 million people have joined China’s society of moderate prosperity (小康社会). China has thus been able to take care of all the basic needs of her population like clothing, food, housing and transport (衣食住行) as well as access to education, basic medical services, and gainful employment even in the remotest rural regions. In the process, China and her people have been improving their environment in turning desert into forest and farmland, cleaning up her rivers and lakes, and conserving her wetland, thus protecting its flora and fauna as required by the other SDGs. China’s poverty eradication success has been anchored by the building of physical and virtual infrastructure throughout the length and breadth of China. There is an old Chinese saying often quoted by President Xi Jinping: “To get rich, build road first” (要想富先修路). As the village peoples have become more prosperous in China, they have been focusing on improving their quality of living as per Chinese saying (琴棋书画) or “Music, Chess, Book, Painting”.

China has been sharing her development successes through her visionary Belt and Road Initiative (BRI). After the spectacular success of BRI in the past decade in Belt and Road countries, the foundation of the Global Development Initiative has been laid.

3.0 Twinning of Villages between China and Malaysia

All developing countries should learn from China on how to comprehensively eradicate poverty. One of the best ways is for the villages in Belt and Road countries to learn directly from villages in China. The pilot is the proposed twinning of villages in Beijing and in Malaysia.

BTBU has been assisting villages in Beijing in social and economic uplift. They have nominated the Pinggu Village. As can be seen in Annex No. 1, it is one of the successful villages that have become a member of the Chinese community of moderate prosperity.

In Malaysia, the University Tunku Abdul Rahman (UTAR) has put in place a New Village Community Project as one of the university's social responsibility projects. New Villages are the products of the conflict between the Malayan Communist Party (MCP) and the British colonial government after the 2nd World War. British security forces saw the ethnic Chinese population of Malaya as a source of help for the MPC. Many Chinese were uprooted from their homes and sent to barbed wire settlements with 24-hour security surveillance under the Malayan Emergency (1948-1960). They were subjected to a host of security controls; from daily curfews, body searches, punishment, to rehabilitation in order to prevent them from having any contact with the MCP. These settlements were called the Chinese New Villages. There were 625 new villages.

Today, these new villages remain home to about 2 million people. Most of these villages have suffered from neglect by Malaysian community. Their economic development is lower than the rest of Malaysian community and their population is ageing because many young people have left for the cities due to the lack of job opportunities in the villages. However, these villages are charming with beautiful scenery and rich culture. They have rich resources such as farm produce, fresh vegetables, poultry, seafood that can uplift their economy.

The UTAR New Village Community Project started in 2009 with the support of the Associated Chinese Chamber of Commerce and Industry Malaysia (ACCCIM). [ACCCIM and Silverlake](#), a global technology investment firm, jointly set up the website www.newvillage.com.my as a platform for the new villages to reach out to the world and vice versa.

There are 4 main activities for UTAR students under the Project, (1) new village tour; (2) new village survey; (3) new village community service (we care we act); and (4) new village collaborative projects. The aim of new village survey is for UTAR students to interact with local community, collect information, prepare report and upload information onto website www.newvillage.com.my. In the process, students improve their communication skills, and have better understanding of Malaysia's culture and the life of community through interacting with the community. The survey covers the following aspects: history, population & housing, economics activities, education, social, culture & religious practice, tourism values, entrepreneurship opportunities and village problems & recommendations for their solution. In new village community service, UTAR students help in the following activities: village school projects, health camps/science and math camps, village environmental care, farming improvement, village SME innovation including branding and e-commerce of products, and enhancement of cultural activities. UTAR has also collaborated with universities in Malaysia, Singapore, Taiwan, Korea and Japan in community projects in New Villages in Malaysia..

The UTAR New Village Community Project has been extended to cover Malay villages and villages of indigenous peoples.

In 2022, the UTAR New Village Community Project website www.newvillage.com.my underwent a major upgrade with the help of Silverlake. The renamed iVillage Progressive Web enables smart phone owners to access the website and conduct e-commerce with village enterprises. Certain products from village enterprises have been accepted by Alibaba for sale to the world.

I have been associated with the UTAR New Village Community Project since its beginning in 2009 and have been making an annual financial donation for UTAR students in their new village survey activities. I was thus able to get UTAR to agree to coordinate the twinning of villages between Beijing and Malaysia with BTBU. UTAR has nominated the Paloh Village in Johor and Tanjung Tualang Village in Perak for twinning with two Beijing Villages. All information about the UTAR New Village Project are available from www.newvillage.com.my and information about the two nominated villages is given in Annex No.2.

4.0 ASEAN-China Twinning of Villages Proposal

With 600 odd Villages in Malaysia associated with UTAR New Village Community Project, the twinning of Chinese and Malaysian villages can be rapidly extended beyond the pilot twinning of two Beijing villages and two Malaysian villages.

China's poverty eradication success arises from targeted poverty eradication with all poor households in China surveyed and documented in a national computed database numbering some tens of million entries. These poor households are assisted in poverty eradication by addressing to their specific problems and needs. Solutions have engaged all communities nationwide with government agencies, enterprises, academia and welfare organisations from richer provinces, cities and towns in providing the needed assistance. The progress in their paths out of poverty is recorded in relevant entries in the national database in order to assure that they do not regress into poverty.

The UTAR New Village Community Project is a NGO project that deserves the support of the whole Malaysian community. It is hoped that through the twinning of the Chinese and Malaysian villages, Malaysian community will learn at first hand from China how to help the villages in Malaysia.

It is my hope that the twinning of villages can be extended to all ASEAN nations. AETDEW with our many Fellows from ASEAN nations pledge ourselves to help assure the success of the village twinning project to help villages in ASEAN out of poverty. Information about AETDEW is given in Annex No. 3.



Academician Dato Ir (Dr) Lee Yee Cheong, Malaysia
AETDEW President
22 June 2023 Kuala Lumpur

ANNEX No. 1

北京平谷：东樊各庄村荣获 2022 年中国美丽休闲乡村称号

北京学习平台 [中国平谷农业中关村](#) 2022-12-09 18:04 Posted on 北京

近日，农业农村部公布了 2022 年中国美丽休闲乡村名单，北京市共 4 个村入选，平谷区峪口镇东樊各庄村上榜。截至目前，平谷区荣获中国美丽休闲乡村数量增加至 8 个。

东樊各庄村位于峪口镇西部，村域面积 7.9 平方公里，常住户数 846 户，居住人口 2460 人，昌金路从村北而过，村庄背靠燕山山脉，地势北高南低，村南是小龙河，村庄北倚低山，面临平原，呈东西延展矩形，北高南低，海拔 36-44 米。村域北侧山区有大片一般生态公益林，村域北依横龙山脉，东临凤凰山，小珠山落中而成，形成了龙凤戏珠的自然景观。东樊各庄村先后获得全国“一村一品”示范村、中国贡椿第一村、北京市社会大课堂资源单位、全国儿基会学农劳动教育实践基地及平谷区中医院文化旅游基地、北京市级美丽乡村示范村等荣誉称号。



东樊各庄村俯瞰图。

“香椿产业+大桃+文旅融合”生态显现

东樊各庄村贡椿作为“御用”贡品，很早便享誉京内京外，吸引了许多食客不辞远路来采购。如今，香椿种植已从传统庭院散种向规模化培育和设施农业反季节栽种发展，开拓“互联网+”销售模式，让“贡椿”插上了互联网的翅膀“飞”往周边 10 余个省市，满足更多市民口福的同时，开拓了农户增收新渠道。



北京东樊各庄贡椿果蔬产销专业合作社的香椿。

每年的四五月份，峪口镇弥漫着桃花的浪漫与芬芳，此时，东樊各庄村将桃花与贡椿完美结合，碰撞出集“风光”“音乐”“美食”为一体的“桃花+音乐+香椿”文化旅游节视听盛宴，用贡椿之香与桃花之美吸引了大量游客青睐，成为著名的京郊春季桃花游网红打卡胜地。

东樊各庄村抓住互联网发展机遇，利用顺丰、京东、淘宝等超级电商平台和抖音等直播平台，将农产品、旅游、文化与互联网进行深度融合，大力发展网络经济，形成了村内人人为主播、个个为店主的电商兴旺发展局面。

“民俗旅游+美食+特色文化”风情浓郁

利用东樊各庄村丰厚的文化底蕴和“万樊路”沿线优势旅游资源，将全长 5.6 公里的万樊路打造成“吃、住、游、购、娱”为一体的休闲观光旅游带。观光带中将明代建造、至今保存完好的“烈虎桥”，清朝允祉三王爷陵，横龙山，小龙河等人文、自然景观进行串联的同时，增加集科普、体验于一体的太空桑蚕文化园景点，增强游客参与感、体验感、归属感。

吃：开发别具一格的香椿宴、桑叶宴、峪口油饼、烧饼、烙盒子、大饺子、卤水豆腐、一锅鲜等地域特色浓厚系列美食，从“食”上留住游客。

住：将闲置农宅打造为特色民宿，增加北京什刹海体校户外培训基地、青少年活动营现有接待能力，提升住宿良好体验，从“宿”上留住游客。



青囊小院民宿。

游：观光带涵盖龙源森林公园、七彩龙源湿地公园、1500 亩天然大氧吧、万樊路休闲产业带、萌宠乐园、古井、古寺、古宅、老香道、什刹海园林等集自然、人文、环境体验、互动为一体的各种游乐场所，从“游”上留住游客。

购：在各节日、各景点巧妙布置、展示地域特色农产品，如东樊各庄村贡椿、中药康养产品，平谷特色艺术品、特色美食产品等，让游客爱不释手，从“购”上留住游客。

娱：打造村民传统+自编自导自演的乡土文化节目，将独具京郊特色的戏曲、京东大鼓、二人转、小品、舞蹈、舞狮舞龙、腰鼓、扇子舞、快板等加入节日游庆，挖掘平谷各地特色乡土文化产品，如平谷家织布、平谷地方调、书画之乡等，从“娱”上留住游客。

“林下经济+体验+学农教育” 振兴乡村

近年来，东樊各庄村实行农户订单生产模式，创新林药、林蜂、“林花+林旅”和“林经+林旅+学农”的发展思路。在一产现有基础上融合发展多渠道壮大集体经济，让村民从土地流转收益、闲置劳动力用工收益、产业红利分配收益等多方面实现增收，极大提升了村民的生活幸福指数，以实际行动当起了乡村振兴的排头兵。



旱稻生物育种“博士”农场。

2021 年，东樊各庄村从事旅游产业相关农户数为 640 户，占农户比重 70%左右，乡村旅游和休闲农业为农户收入贡献率超过 50%。2021 年，人均纯收入达到 22000 元。以党组织为核心，构建“党总支+公司+合作社+农户”四位一体发展模式。

东樊各庄贡椿产销专业合作社带动农户积极发展订单农业的同时推动“股份分红+保底收益”模式，增加农户和村集体收入，让农民收益与产业效益直接挂钩，农民获得资产收益、入股分红、务工薪金和产业经营等多方面收益。

北京本草神谷康养产业有限公司结合东樊各庄村林下经济重点试点村项目，与东樊各庄村以“党建+企业+村民”三位一体模式，大力发展林下中草药种植，以宜药、宜花、宜景的发展思路，支持林旅，从而壮大集体经济和村民增收，带动一二三产融合发展。

北京野馨科技发展有限公司是一家从事蜂产品销售、蜜蜂文化科普体验为一体的蜂业公司。公司实行从原料到终端的全线运营模式，蜜源地开发、蜜蜂养殖、原料甄选、收购、蜂蜜销售，蜂蜜美食的研发，“欢乐蜂场”体验基地全权经营。

北京市青少年户外体育活动营地是国家体育总局及北京市体育局在 2004 年批准建立的全国 10 省市营地之一，于 2010 年被北京市民政局认证为“中国社会组织评估等级 4A 级”单位。营区可同时接纳 1500 名青少年进行活动。培训场地拥有大型综合训练设施，可开展拓展场地训练、露营军训等项目。野外训练场地可进行定向越野、登山、生存训练等专业培训。

村域内还有多家从事旅游相关产业的经营主体，包括萌宠乐园——新远都农场、北京荣涛豌豆产销专业合作社、北京华蝶谷蚕桑科技发展有限公司、中医药特色民宿小院、北京太空蚕科技发展公司休闲经营主体等。

来源：北京学习平台

English Translation

Beijing Pinggu: Dongfan Gezhuang Village won the title of China's Beautiful Leisure Village in 2022

Beijing Learning Platform China Pinggu Agriculture Zhongguancun 2022-12-09 18:04
Posted on Beijing.

Recently, the Ministry of Agriculture and Rural Affairs announced the list of China's beautiful leisure villages in 2022. A total of 4 villages in Beijing were selected, and Dongfan Gezhuang Village, Yukou Town, Pinggu District was on the list. Up to now, the number of Pinggu District awarded China's beautiful leisure villages has increased to 8.

Dongfan Gezhuang Village is located in the west of Yukou Town, with an area of 7.9 square kilometers, 846 permanent households and 2460 residents. Changjin Road passes through the village in the north. The village is backed by the Yanshan Mountains. The south is the Xiaolong River. The village leans against low mountains in the north and faces the plains. It is a rectangle extending from east to west, high in the north and low in the south, with an altitude of 36-44 meters. There is a large area of general ecological public welfare forest in the mountainous area on the north side of the village. The village is adjacent to the Henglong Mountains in the north and Fenghuang Mountain in the east. Gezhuang Village of Dongfan has successively won the National "One Village, One Product" Demonstration Village, the First Village of Gongchun in China, the Beijing Social Classroom Resource Unit, the National Children's Fund Learning Farm Labor Education Practice Base and the Pinggu District Traditional Chinese Medicine Hospital Cultural Tourism Base, Beijing City-level beautiful rural demonstration village and other honorary titles.

"Tribute Chun Industry + Big Peach + Culture and Tourism Integration" Ecological Appearance

As a royal tribute product, Dongfan's "Tribute Chun" has long been famous in Beijing and abroad, attracting many diners to go all the way to buy it. Today, Chinese toon planting has developed from traditional garden scattered planting to large-scale cultivation and off-season planting in facility agriculture. The "Internet +" sales model has been developed, allowing "Gongchun" to plug in the wings of the Internet and "fly" to more than 10 surrounding provinces City, while satisfying the well-being of more citizens, it has opened up new channels for farmers to increase their income.

Every year in April and May, Yukou Town is filled with the romance and fragrance of peach blossoms. At this time, Dongfan's villages perfectly combine peach blossoms and tribute chun products to create a "peach blossom+" that combines "scenery", "music" and "food". The audio-visual feast of the Music + Chun" Cultural Tourism Festival has attracted a large number of tourists with the fragrance of tribute toon and the beauty of peach blossoms, and has become a well-known spring peach blossom travel destination in the suburbs of Beijing.

Dongfan's villages have seized the opportunity of Internet development, using super e-commerce platforms such as SF Express, JD.com, Taobao, and live streaming platforms such as Douyin to deeply integrate agricultural products, tourism, culture, and the Internet, and vigorously develop the Internet economy. The booming development of e-commerce is a broadcaster and everyone is a store owner.

"Folk tourism + food + characteristic culture" is rich in style

Taking advantage of the rich cultural heritage of each village in Dongfan and the advantageous tourism resources along the "Wanfan Road", the 5.6-kilometer Wanfan Road will be built into a leisure and sightseeing belt integrating "food, housing, travel, shopping, and entertainment". In the sightseeing belt, the "Liehu Bridge" built in the Ming Dynasty and well preserved up to now, the Tomb of the Three Kings of Yunzhi in the Qing Dynasty, Henglong Mountain, Xiaolong River and other cultural and natural landscapes are connected in series, and at the same time, space silkworms integrating science popularization and experience are added. Cultural park attractions enhance tourists' sense of participation, experience and sense of belonging.

Eat: Develop a series of unique delicacies with strong regional characteristics, such as tribute chun banquet, mulberry leaf banquet, Yukou oil cake, sesame cake, baked box, big dumpling, brine tofu, Yiguoxian, etc., to retain tourists from "food".

Accommodation: Build idle farm houses into characteristic homestays, increase the existing reception capacity of the outdoor training base of Beijing Shichahai Sports School and the youth activity camp, improve the good experience of accommodation, and retain tourists from the "accommodation".

Tour: The sightseeing zone covers Longyuan Forest Park, Colorful Longyuan Wetland Park, 1,500 mu of natural oxygen bar, Wanfan Road leisure industry belt, cute pet paradise, ancient wells, ancient temples, ancient houses, old incense roads, Shichahai gardens, etc. Various playgrounds integrating environmental experience and interaction can retain tourists from the perspective of "swimming".

Shopping: Ingeniously arrange and display regional characteristic agricultural products in various festivals and scenic spots, such as tributes from various villages in Dongfan, health care products of traditional Chinese medicine, characteristic artworks in Pinggu, special gourmet products, etc., so that tourists can't put it down and stay from "shopping" tourists.

Entertainment: create village traditions + self-written, directed and performed local cultural programs, adding operas with unique Beijing suburban characteristics, Jingdong drums, Errenzhuang, sketches, dances, lion and dragon dances, waist drums, fan dances, allegro, etc. to festival tours, excavate the characteristic local cultural products in various parts of Pinggu, such as Pinggu home weaving, Pinggu local tune, hometown of calligraphy and painting, etc., to retain tourists from the perspective of "entertainment".

"Under-forest economy + experience + learning agriculture education" to revitalize the countryside

In recent years, each village in Dongfan has implemented the farmer order production model, and innovated the development ideas of forest medicine, forest bee, "forest flower + forest brigade" and "forest classics + forest brigade + learning farmers". Integrate and develop multi-channels to strengthen the collective economy on the basis of the existing primary industry, allowing villagers to increase their income from land transfer income, idle labor employment income, industrial dividend distribution income, etc., which greatly improves the life happiness index of villagers. Take practical actions. Became the vanguard of rural revitalization.

In 2021, there will be 640 rural households engaged in the tourism industry in each village of Dongfan, accounting for about 70% of the rural households. Rural tourism and leisure agriculture will contribute more than 50% of the income of the rural households. In 2021, the per capita net income will reach 22,000 yuan. With the party organization as the core, build a four-in-one development model of "party branch + company + cooperative + farmer".

The Gongchun (Tribute Chun) Production and Marketing Professional Cooperative in Dongfan's various villages drives farmers to actively develop contract agriculture and at the same time promotes the "share dividend + guaranteed income" model to increase the collective income of farmers and villages, so that farmers' income is directly linked to industrial benefits, and farmers can obtain asset income and share dividends, workers' salaries and industrial management and other benefits.

Beijing Bencao Shenggu Kangyang Industry Co., Ltd. combined with Dongfan Gezhuang Village's under-forest economic key pilot village project, and Dongfan's Gezhuang Village with the trinity model of "party building + enterprise + villagers" to vigorously develop the planting of Chinese herbal medicine under the forest, making it suitable for medicine and flowers, Yijing's development ideas, support the forest brigade, so as to strengthen the collective economy and increase the villagers' income, and drive the integrated development of the primary, secondary and tertiary industries.

Beijing Yexin Technology Development Co., Ltd. is a bee industry company engaged in the sales of bee products and the experience of bee culture popularization. The company implements a full-line operation model from raw materials to terminals, honey source development, bee breeding, raw material selection, acquisition, honey sales, research and development of honey food, and the full operation of the "Happy Bee Farm" experience base. The Beijing Youth Outdoor Sports Camp is one of the 10 provincial and municipal camps approved by the State Sports General Administration and the Beijing Municipal Sports Bureau in 2004. It was certified by the Beijing Municipal Civil Affairs Bureau as a "China Social Organization Assessment Level 4A" unit in 2010. The camp can accommodate 1,500 young people for activities at the same time. The training site has large-scale comprehensive training facilities, which can carry out field expansion training, camping military training and other projects. The field training site can carry out professional training such as orienteering, mountaineering, and survival training.

There are also a number of business entities engaged in tourism-related industries in the village area, including Cute Pet Paradise - Xinyuandu Farm, Beijing Rongtao Pea Production and Marketing Professional Cooperative, Beijing Huadiegu Sericulture Technology Development Co., Ltd., a small courtyard with traditional Chinese medicine characteristics, The leisure business entity of Beijing Space Silkworm Technology Development Company, etc.

ANNEX No. 2

New Village Project of UTAR www.newvillage.com.my



新村

Upcoming Event
活动预告

The Story of New Villages
新村的故事

UTAR New Villages Exhibition
拉曼大学 新村展览

11 - 12 APRIL 2023
(TUES - WED)

MULTIPURPOSE HALL
KB BLOCK
UTAR SG LONG CAMPUS

9.00AM - 5.00PM

Series of Activities
各类活动

讲座分享 Talk (Hybrid Mode) - (in Mandarin)

- 马来西亚地方创生专场：从地方DNA到地方品牌 —— 马来西亚的社区营造与地方创生 (Place-making in Malaysia: From Local DNA to Local Branding - The Community Development & Place-making in Malaysia)
- 地方创生论坛：中国的乡村振兴、日本的地方创生与台湾的地方创生 (Forum: China Village Revitalization, Place-making in Japan & Place-making in Malaysia)
- 文冬扁圆 - 酱油文化传承 (Savouring Tradition: Soy Sauce of Kicap Cempaka Bentong)
- 社群 Impact "Kampung" Impact

市集 Bazaar
(Arts and crafts, homemade items, fashion, stationery, food beverages, accessories, etc...)

展览 Exhibition

FREE ENTRY
免费入场

REGISTER NOW

UTAR P.L.B



Dato' Ir. Lee Yee Cheong (second from right) donating RM10,000 to UTAR President Professor Ewe Hong Tat to support UTAR New Village Community Project

Information about Paloh Village can be downloaded from

https://newvillage.com.my/v?PageId=app_home&action=village&state=Johor&village=Paloh

Information about Tanjung Tualang Village can be downloaded from

https://www.newvillage.com.my/v?PageId=app_home&action=village&state=Perak&village=Tanjung%20Tualang

ANNEX No. 3 The Academy of Engineering and Technology of the Developing World (AETDEW)

In 2005, the Group of G77 and China held the 2nd Summit in Doha and urged UNESCO to enhance engineering and technological human and institutional capacity in developing countries. As a result, the UNESCO International Science, Technology and Innovation Centre for South-South Cooperation (ISTIC) was launched in May 2008 in Kuala Lumpur. ISTIC was hosted by the Malaysian Government under the Ministry of Science, Technology and Innovation (MOSTI) as her contribution to assist sustainable development of sister developing countries through science, technology and innovation.

As the achievement of the inclusive 17 UN Sustainable Development Goals (SDGs) would require greater collaborative efforts by South countries through South-South Cooperation, ISTIC in 2015 proposed the formation of the Academy of Engineering and Technology of the Developing World (AETDEW) to mobilise the engineering, technological and scientific communities in government, industry, academia and civil societal organisations of G77 nations to help them achieve the UN SDGs. AETDEW was registered in Malaysia and launched in Kuala Lumpur in May 2017. Currently AEDTEW membership includes 5 Honorary Fellows, some 200 Fellows and Foreign Fellows. They are top executives and former office bearers of international governmental organisations like UNESCO, the UN Office for South-South Cooperation (UNOSSC) and ISTIC; regional governmental organisations like ASEAN and ECO Science Foundation; international scientific and engineering organisations like the InterAcademy Partnership (IAP), the ASEAN Academy of Engineering and Technology (AAET); national governments, national academies, national institutions of engineers, national registration boards and councils of engineers and major national enterprises.




AETDEW primary focus has been to enhance the indigenous engineering and technological human and institutional capacities of G77 nations through the Belt and Road Initiative (BRI) that has been embraced by nearly the whole of the developing world.

List of AETDEW Members End 2022

Nationality	Name	Designation	Status	
	Lee Yee Cheong	Hon. Chair ISTIC Governing Board/Past President World Federation of Engineering Organisation (WFEO)/ASM Senior Fellow/ Former Commissioner, UN Broadband Commission	AETDEW President Fellow	
	Choo Kok Beng	CEO Malaysian Service Providers Confederation/AAET Sec-Gen	AETDEW Sec-Gen Fellow	
	Ameenah GuribFakim	President of Mauritius 2015-2018	Honorary Fellow	
	HRH Princess Sumayyah bint El Hassan	President of Royal Scientific Society Jordan	Honorary Fellow	
	Irina Bokova	Former UNESCO Director General, UNESCO	Honorary Fellow	
	Jeffrey Cheah AO	Chairman, Sunway Group, Malaysia	Honorary Fellow	
	Raila Odinga	Former Prime Minister, Kenya	Honorary Fellow	
	Gong Ke (China)	Former WFEO President	Fellow	
	Han Liqun (China)	Senior Professor, Beijing Technology and Business University	Fellow	
	Han Qunli (China)	Former Director, Man and the Biosphere, UNESCO	Fellow	

	John Li (Taiwan, China)	Former FEIAP President	Fellow	
	Liu Xila (China)	Former FEIAP Vice President	Fellow	
	Ma Lixin (China)	President, Codesys (China) Corp	Fellow	
	Mu Rongping (China)	Director General, Institute of Policy and Management, Chinese Academy of Sciences	Fellow	
	Pua K S (Taiwan, China)	President, Phison Corporation	Fellow	
	Qian Yi (China)	Professor of Environment Engineering Tsinghua University/ former WFEO Vice President/Fellow, Chinese Academy of Engineering	Fellow	
	Shao Fengjing (China)	Former Vice President Qingdao University & Dean of Big DATA Technology and Smart City Research	Fellow	
	Shi Zhumei (China)	Former Executive Councillor, Chinese Association for International Education Exchange	Fellow	
	Teresa Poon (Hong Kong, China)	Associate Professor, Open University Hong Kong	Fellow	
	Wu Qidi (China)	Director UNESCO ICEE/Former Deputy Minister of Education, China	Fellow	


	Xiao Geng (Hong Kong, China)	Professor Practice in Finance and Public Policy, University of Hong Kong,	Fellow	
	Xie Ou (China)	CEO, Sugon Ruiyi Education Group, China	Fellow	
	Xu Gaoshan (China)	CEO, ZTE Education Valley Company, China	Fellow	
	Xue Lan (China)	President, Schwarzman College, Tsinghua University	Fellow	
	Yan Chun Hua (China)	Professor of Chemistry, Beijing University/Fellow, Chinese Academy of Sciences	Fellow	
	Zhao Shuying (China)	Professor of Northeast University, China/Dean of Intelligence Systems Institute	Fellow	
	Zhong Yi Xin (China)	Former WFEO Vice President	Fellow	
	Daya Reddy (South Africa)	Former President ICS/ Former President, Academy of Sciences, South Africa	Fellow	
	John Mugabe (South Africa)	Professor, University of Pretoria, South Africa	Fellow	
	Tolullah Oni (South Africa)	Former Co-Chair, Global Young Academy	Fellow	
	Tshilidzi Marwala (South Africa)	Deputy Vice Chancellor for Research and Internationalisation, University of Johannesburg	Fellow	

	Carlos Gonzalez Mingueza (Peru)	Former President, College of Engineers Peru	Fellow	
	Maria Giselle Orjeda (Peru)	President, National Council of Science, Technology and Technologic	Fellow	
	Peregrina Morgan Lora (Peru)	President, National System of Evaluation, Accreditation and Certification (SINEACE) Peru	Fellow	
	Abubaker Khair (Sudan)	Chairman, Future University Sudan	Fellow	
	Mohamed Hassan (Sudan)	Former President, United Nations University Council/ Former TWAS President	Fellow	
	Mustafa El Tayeb (Sudan)	Former President, Future University Sudan	Fellow	
	Nadia Mahmoud Abderrahman (Sudan)	Executive Director, Sudan Engineering Council	Fellow	
	Suoad Abdelrazzak (Sudan)	Former Federal Minister of Education, Sudan	Fellow	
	Abeer Arafa (Jordan)	Director of External Relations, Royal Scientific Society Jordan	Fellow	
	Moneef Zou'bi (Jordan)	Former Executive Director, Islamic World Academy of Sciences	Fellow	
	Rana Dajani (Jordan)	Founder of "Love to Read"	Fellow	

	Amal Amin (Egypt)	founder Council member Islamic Young Academy of Sciences	Fellow	
	Maged Al-Sherbiny (Egypt)	Former Deputy Minister of Science and Technology Egypt	Fellow	
	Sameh Sorrow (Egypt)	Former Co-Chair, Global Young Academy	Fellow	
	Tarek Shawki (Egypt)	Former Dean School of Sciences and Engineering, American University Cairo	Fellow	
	Arun Kulshreshtha (India)	Former Executive Director, NAM S&T Centre	Fellow	
	Arvind Poothia (India)	Former Secretary General, Institution of Engineers (India)	Fellow	
	Bhaskar Ramamurthi (India)	Director, Indian Institute of Technology, Madras	Fellow	
	Kris Gopalakrishnan (India)	Co-founder of Infosys	Fellow	
	Manoj Kumar Patairiya (India)	Director of the CSIR-National Institute of Science Communication and Information Resources, New Delhi	Fellow	
	Muralikrishna Reddy (India)	Past President, Institution of Engineers (India)	Fellow	
	Aphiya Hathayatham (Thailand)	Former Deputy Director, National Science Museum Thailand	Fellow	

	Orakanoke Phanraksa (Thailand)	Former Co-Chair, Global Young Academy	Fellow	
	Pichet Durongkaveroj (Thailand)	Former Minister of Science and Technology Thailand	Fellow	
	Aung Myint (Myanmar)	Former Vice President Myanmar Engineering Council / Former President, Myanmar Engineering Society	Fellow	
	Charlie Than (Myanmar)	Former President Myanmar Engineering Council	Fellow	
	Cho Win Maw (Myanmar)	Former Vice President, Myanmar Engineering Council / Former Vice President, Myanmar Engineering Society	Fellow	
	Han Zaw (Myanmar)	Former Union Minister, Ministry of Construction / Patron, Myanmar Engineering Council/Past President, Myanmar Engineering Society, Myanmar	Fellow	
	Khin Ni Ni Thein (Myanmar)	Founder & President, Water Research & Training Centre,	Fellow	
	Sein Myint (Myanmar)	Chairman Supreme Corporation Myanmar	Fellow	
	Tin Maung Win (Myanmar)	Chairman, Pyithu Hluttaw /Patron, Myanmar Engineering Council/Past President, Myanmar Engineering Society,	Fellow	
	U Nyan Tun U (Myanmar)	Former State Minister of Electric Power, Myanmar	Fellow	

	U Win Khaing (Myanmar)	Former Federal Minister of Construction	Fellow	
	Crispus Kiamba (Kenya)	Former Secretary General, Ministry of Higher Education, Science	Fellow	
	Judi Wakhugu (Kenya)	Former Cabinet Secretary for Environment and Regional Development Kenya	Fellow	
	Nathaniel Matalanga	Former President Institution of Engineers Kenya	Fellow	
	Julius Muia (Kenya)	Former Principal Secretary, State Department for Planning; the National Treasury and Ministry of Planning, Republic of Kenya	Fellow	
	Nicholas Musuni (Kenya)	Former Registrar, Engineers Board of Kenya	Fellow	
	Samuel Mwamburi Mwale (Kenya)	CEO Farasi Strategy Advisors Ltd/Former Permanent Secretary, President's Office Kenya	Fellow	
	Erastus Mwangera(Kenya)	Chair, Engineers Board Kenya	Fellow	
	Vimal Shah (Kenya)	CEO Bidco Africa Kenya	Fellow	
	Wanjau D.M. (Kenya)	Former Chair Engineers Board of Kenya	Fellow	
	Athar Osama (Pakistan)	Former Member, Pakistan Planning Commission	Fellow	






	Bhawani Shankar Chowdhry(Pakistan)	Distinguished National Professor, Meritorious Professor (BPS 22) and Dean, Mehran University of Engineering & Technology, Jamshoro, Pakistan	Fellow	
	Manzoor Soomro (Pakistan)	Former President, ECO Science Foundation	Fellow	
	Naim STK (Pakistan)	Consultant, COMSTECH	Fellow	
	Sameera Arshad (Pakistan)	Founding Council member, Islamic Young Academy of Sciences	Fellow	
	Shahbaz Khan (Pakistan)	Director, UNESCO Regional Office for China, Japan, South and North Korea and Mongolia, Beijing	Fellow	
	Tasneem Anwar (Pakistan)	Assistant Professor, Aga Khan University's Institute for Educational Development, Karachi, Pakistan	Fellow	
	Amina Mohammed (Nigeria)	Deputy UN Secretary-General	Fellow	
	Jummai Umar-Ajjola (Nigeria)	CEO, Business People Nigeria Ltd	Fellow	
	Kashim A. Ali (Nigeria)	Former President, Council for the Regulation of Engineering Nigeria (COREN)	Fellow	
	Valerie Ifueko (Nigeria)	WFEO Vice President	Fellow	
	Mustafa Shehu	WFEO President Elect	Fellow	

	(Nigeria)			
	Alberto Benitez Reynoso (Bolivia)	Fellow API/President, Society of Engineers Bolivia	Fellow	
	Arturo J.J. Dubravcic Alaiza (Bolivia)	Fellow API/Past President, Society of Engineers Bolivia	Fellow	
	Ainun Naim (Indonesia)	Former Secretary General, Ministry of Higher Education Indonesia	Fellow	
	Bobby Gafur Umar (Indonesia)	President Bakri Bros Inc/Formal President, Institution of Engineers Indonesia (PII)	Fellow	
	Heru Dewanto (Indonesia)	Former President Institution of Engineers Indonesia (PII)	Fellow	
	Indarjani (Indonesia)	Former Deputy Director, SEOMEQ QITEP in Science	Fellow	
	Pandri Prabono (Indonesia)	Former President Institution of Engineers Indonesia (PII)	Fellow	
	Tikki Elka Pangestu (Indonesia)	Former Director of Research, World Health Organisation	Fellow	
	Chuah Hean Teik (Malaysia)	Former AAET President/Formal FEIAP President/ASM Senior Fellow	Fellow	
	David Lai Kong Phooi (Malaysia)	Former President, Institution of Engineers Malaysia	Fellow	

David Oh Seong Keat (Malaysia)	Entrepreneur & Business Owner, 1001 Inventions Malaysia	Fellow	
Ewe Hong Tat	President AAET	Fellow	
Goh Peng Ooi (Malaysia)	CEO Silverlake Corporation/AAET Fellow/ASM Fellow	Fellow	
Halimaton Hamdan (Malaysia)	ASM Senior Fellow/Professor, University Technology Malaysia	Fellow	
Hazami Habib (Malaysia)	ASM Executive Director	Fellow	
Hazlina Selamat (Malaysia)	Director, Centre for Artificial Intelligence and Robotics (CAIRO) UTM, Malaysia	Fellow	
Hong Lee Pee (Malaysia)	ASM Senior Fellow/Past AAET President	Fellow	
K L Tan (Malaysia)	Senior Group Managing Director,, Sunway Corporation	Fellow	
Khair Mohamad Yusof (Malaysia)	Former Director General, Ministry of Education Malaysia	Fellow	
Khairiyah Mohd Yusof (Malaysia)	Director, Centre for Engineering Education, University Technology Malaysia	Fellow	
Kua Abun (Malaysia)	Former Deputy Secretary General, Ministry of Science Technology and Innovation Malaysia	Fellow	






Lee Sze Wie (Malaysia)	Former AAET Secretary General / President, Tunku Abdul Rahman University of Technology	Fellow	
Lim Yu Book	Former CEO Head Foundation Singapore	Fellow	
Liong Mintze (Malaysia)	Former Deputy Chair ASM Young Scientists Network	Fellow	
Looi Lai Meng (Malaysia)	ASM Senior Fellow/former Co-Chair Inter Medical Academy Panel	Fellow	
Madinah Mohamad (Malaysia)	Former Secretary General, Ministry of Higher Education, Science	Fellow	
Noorul Ainur Nur (Malaysia)	Former Secretary General, Ministry of Science, Technology and Innovation	Fellow	
Rafee Yusoff (Malaysia)	Former Director, Group Strategic Planning, Islamic Development Bank	Fellow	
Rafiah Salem (Malaysia)	Former UN Under Secretary General/Former ViceChancellor University Malaya	Fellow	
Ramzah Dambul (Malaysia)	Former Deputy Secretary General, Ministry of Science Technology and Innovation Malaysia	Fellow	
Raslan Ahmad (Malaysia)	Senior Vice President, MIGHT	Fellow	
Rosalind Ganendra (Malaysia)	Former Executive Director, Minconsult	Fellow	











Samsudin Tugiman (Malaysia)	Former ASM Secretary General	Fellow	
Chris Tan (Malaysia)	Former CEO Pemadu Consultant Malaysia	Fellow	
Seah Kian Hoe (Malaysia)	Managing Director, Heng Hiap Industries	Fellow	
Sharifah Maimunah Syed Zin	ASM Fellow	Fellow	
Tan Yean Chin (Malaysia)	Past President, Institution of Engineers Malaysia/Secretary General, FEIAP	Fellow	
Yim Hon Wa (Malaysia)	Former Director, Institution of Engineers Malaysia Training Centre, Malaysia	Fellow	
Yong Ah Huat (Malaysia)	AAET Fellow/Chairman, Toprank Corp	Fellow	
Yong Hoi Sen (Malaysia)	ASM Senior Fellow/AAET Fellow	Fellow	
Yusoff Sulaiman (Malaysia)	President, Malaysia Industry Government Group for High Technology (MIGHT)/ASM Fellow	Fellow	
Zaidee Laidin (Malaysia)	Former Secretary General, ASM/Former President, Malaysian Board of Technologists	Fellow	
Zakri Abdul Hamid (Malaysia)	Chairman, MIGHT/Former Science Advisor to Prime Minister, Malaysia	Fellow	









	Jorge Spitalnik (Brazil)	Former President, WFEO	Fellow	
	Luiz Carlos Scavarda do Carmo (Brazil)	Fellow API/Professor, Pontifical University of Rio	Fellow	
	Rita Moura Fortes (Brazil)	Fellow API/Professor of Civil Engineering Fellow	Fellow	
	Jorge Chediek (Argentina)	Former Special Advisor to UN Secretary General on South-South Cooperation (UNOSCC)/ Former Executive Director, UNOSSC	Fellow	
	Norma Sbarbati Nudelman (Argentina)	Plenary Professor, University of Buenos Aires/Fellow, National Academy of Exact Physical and Natural Sciences	Fellow	
	Rodolfo Biasca (Argentina)	President, Biasca & Associates Inc/Fellow, Pan American Academy of Engineering (API)	Fellow	
	Jessica Pizarro (Chile)	General Secretary Board of Accreditation, Chile	Fellow	
	Jorge Yutronic Fernandez (Chile)	Former Rector University of the Americas	Fellow	
	Heng Sokbil (Cambodia)	AAET Fellow	Fellow	
	Meas Sokhom (Cambodia)	AAET Fellow	Fellow	
	Gulsun Saglamer	Former Rector, Istanbul Technical	Fellow	

	(Turkey)	University		
	Yusuf Baran (Turkey)	Founding Council member, Islamic Young Academy of Sciences	Fellow	
	Goolam Mohamedbai (Mauritius)	Former President, International Association of Universities	Fellow	
	Nadia Daby-Seeseram (Mauritius)	Former President, Institution of Engineers Mauritius	Fellow	
	Foo Say Wei (Singapore)	AAET Fellow/former President Institution of Engineers Singapore	Fellow	
	Jackie Ying (Singapore)	Executive Director, Institute of Bioengineering and Nanotechnology, Singapore	Fellow	
	Poo Aun Neow (Singapore)	AAET Fellow	Fellow	
	Tan Seng Chuan (Singapore)	Chair APEC Engineers Coordinating Committee/former FEIAP President	Fellow	
	Faouzia Charfi (Tunisia)	Professor of Physical Sciences	Fellow	
	Kamel Ayadi (Tunisia)	WFEO Past President	Fellow	
	Olfa Mahjoub (Tunisia)	Founder Council member Islamic Young Academy of Sciences	Fellow	

	Denis Nkala (Zimbabwe)	UNOSSC Regional Director for Asia and the Pacific, Bangkok	Fellow	
	Martin Manuhwa (Zimbabwe)	Vice President WFEO	Fellow	
	KunMo Chung (Korea)	Former Science and Technology Minister Korea	Foreign Fellow	
	Youngah Park (Korea)	Former President, KISTEP	Foreign Fellow	
	Bruce Michael Alberts (USA)	Former President Obama Science Envoy to Indonesia	Foreign Fellow	
	Jeffrey Sachs (USA)	UN Sec-Gen Advisor on the SDGs	Foreign Fellow	
	Sonia Sachs (USA)	Director of Health, Millennium Villages Project	Foreign Fellow	
	Deborah L. Wince-Smith (USA)	President, Global Competitiveness Council	Foreign Fellow	
	Ninatubu Lema (Tanzania)	Former President, Engineers Registration Board, Tanzania	Fellow	
	Steve Mlote (Tanzania)	Former Registrar, Engineers Registration Board Tanzania	Fellow	
	Mehdi Keshmiri (Iran)	President, Isfahan Science and Technology Town (ISTT)	Fellow	
	Mohammad Javad	Director, UNESCO Isfahan Regional Centre for Technology Incubators &	Fellow	

	Omidi (Iran)	Science Park Development		
	Lydia Tansinsin (Philippines)	Founder President ASEAN Federation of Engineering Organisations (AFEO)/ Fellow AAET	Fellow	
	Maria Natalia Dimaano (Philippines)	AAET Fellow	Fellow	
	Romulo R Agatep (Philippines)	AAET Council member	Fellow	
	William Padolina (Philippines)	Former President, National Academy of S&T Philippines/Former Secretary for S&T	Fellow	
	Abdalla A. Alnajjar (United Arab Emirate)	President & CEO, Arab Science and Technology Foundation	Fellow	
	Nadia M. Alhasani (UAE)	Former Dean of Women and Science Engineering, the Petroleum Institute	Fellow	
	Abdul Sattar Al-Taie (Qatar)	Director of Qatar National Research Fund	Fellow	
	Abdullah Shams Bin Tariq (Bangladesh)	Founding Council member, Islamic Young Academy of Sciences	Fellow	
	Alejandro Cruz Molina (Costa Rica)	Former Minister of Science and Technology, Costa Ricca	Fellow	

	Bindu Lohani (Nepal)	Former Vice President, Asian Development Bank	Fellow	
	Bohdan Krawchenko (Kyrgyz)	Director General, University of Central Asia	Fellow	
	Cong-Thang Huynh (Vietnam)	Co-Founder cum General Director, Vicgo-Golden Victory	Fellow	
	Guillermo Fernández (Mexico)	President, Mexico-USA Science Foundation	Foreign Fellow	
	Harold Ramkisson (Trinidad and Tobago)	Senator, Trinidad and Tobago	Fellow	
	Jauad El Kharraz (Morocco)	Founder Council member Islamic Young Academy of Sciences	Fellow	
	Javier Carvajal (Ecuador)	Professor, Pontifical Catholic University Ecuador	Fellow	
	Kazawadi Papias Dedeki (Rwanda)	WFEO Vice President/Former President, Institution of Engineers Rwanda	Fellow	
	Kusainova Lazzat (Kazakhstan)	Chairman of the Committee of Science and Innovation, International organization Expo & Women, Kazakhstan	Fellow	
	Lidia Brito (Mozambique)	Former Director, UNESCO Regional Science Bureau for Latin America and the Caribbean	Fellow	

	Marlene Kanga (Australia)	Former President WFEO	Foreign Fellow	
	Mohamed-Slim Alouini (Saudi Arabia)	Professor of Electrical Engineering, King Abdullah University of Science and Technology, Saudi Arabia	Fellow	
	Naji M. Al-Mutairi (Kuwait)	Director General, Kuwait Institute for Scientific Research	Fellow	
	Nico Barito (Seychelles)	Seychelles President's Special Envoy to ASEAN	Fellow	
	Niranjanier Ratnayake (Sri Lanka)	Former President, Institution of Engineers Sri Lanka	Fellow	
	Vijaya Kumar (Sri Lanka)	Former President, Sri Lanka Academy of Sciences	Fellow	
	Ousmane Kane (Senegal)	Former ISTIC Governing Board member/former Executive Director, African Regional Centre for Technology	Fellow	
	Peggy Oti-Boateng (Ghana)	Former UNESCO Director for Science Policy/Formal Director, Technology Consultancy Centre, College of Engineering, Nkrumah University of Science and Technology,	Fellow	
	Carlien Bou Chedid (Ghana)	President, Federation of African Engineering Organisations (FAEO)		
	Pratarp Singh (Fiji)	President, South Pacific Engineers Association	Fellow	

	Raida S. K. Al-Alawi (Bahrain)	Dean of Student Affairs, Ahlia University, Bahrain	Fellow	
	Stephen Simukanga (Zambia)	Vice President, Engineering Institute of Zambia	Fellow	
	Houkonnou M N (Benin)	President, Academy of Sciences Benin	Fellow	