



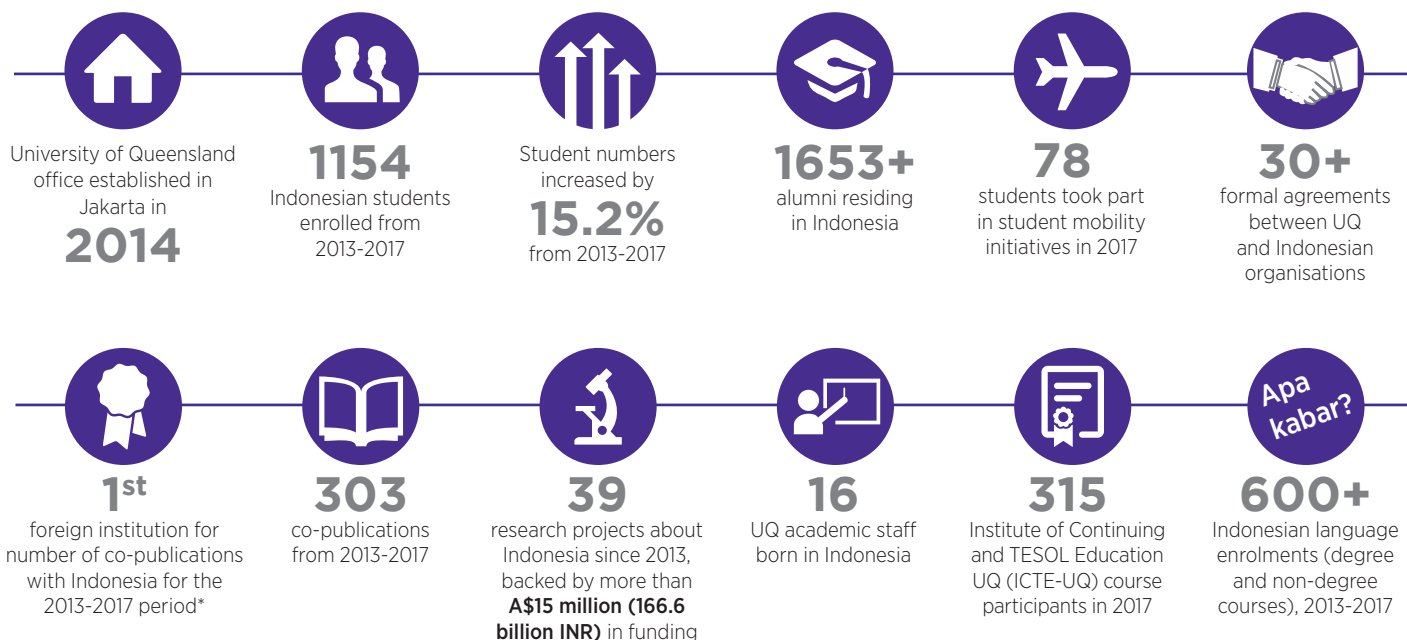
THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

Create change

The University of Queensland in Indonesia



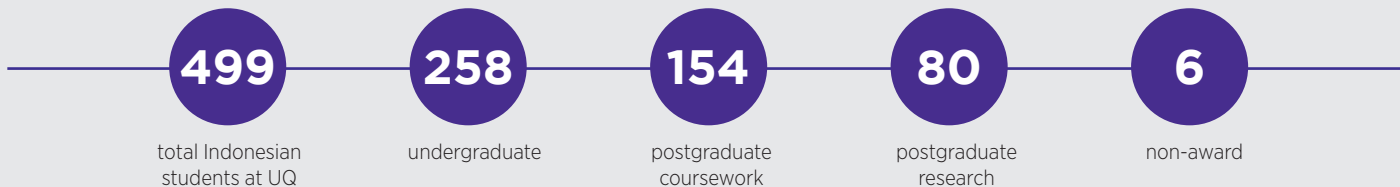
UQ-Indonesia snapshot



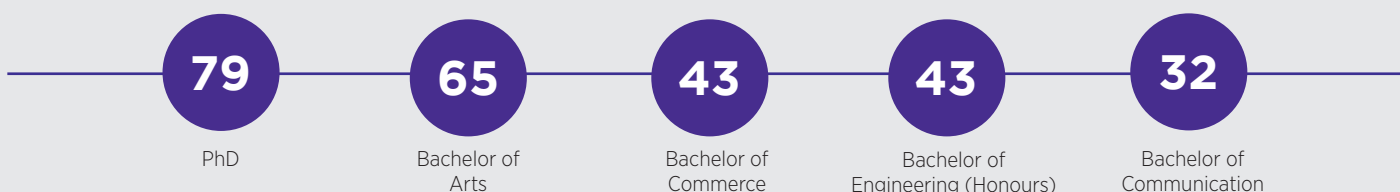
Top co-publication research areas



2017 students



2017 top programs



* InCites™ Organisation Report, Document Type: Articles and Reviews, InCites dataset updated Feb 11, 2018. Includes Web of Science content indexed through Dec 31, 2017.

UQ-Indonesia summary

The University of Queensland (UQ) is the most globally engaged international university with Indonesia.

UQ and Indonesia share a strong and productive history of engagement stretching back more than 50 years. Strong links have been built with the Indonesian Institute of Sciences (LIPI), Universitas Indonesia (UI) and Universitas Gadjah Mada (UGM), just to name a few.

Our research synergies have global significance, and our collaboration is having a real-world impact on international relations, food and water security, energy and resource management, and healthcare – particularly in remote locations.

With an office strategically located in Jakarta, UQ is working to strengthen and develop even more people-to-people links with Indonesian institutions, community organisations, government agencies, and corporate networks, and to support UQ's alumni in the wider South-East Asian region.

Throughout 2017, a number of UQ academics and faculty staff visited Indonesia, including:

- Deputy Head of the TC Beirne School of Law
- Director Global Change Institute
- Executive Dean UQ Faculty of Science
- Faculty of Engineering Architecture and Information Technology
- Faculty of Business Economics and Law
- UQ School of Education
- UQ School of Psychology
- UQ Parenting and Family Support Centre and Triple P International
- UQ Energy Initiative
- UQ International Development
- UQ School of Biological Sciences
- UQ School of Earth and Environmental Sciences.

In turn, UQ welcomed a range of Indonesian representatives, spanning government, industry, and the education sectors, to strengthen engagement and spearhead innovation. Recent visits include:

- a delegation from BPPT led by the Chairman, and another by the Deputy for Agroindustry and Biotechnology
- a delegation from LIPI led by the Vice Chairman
- delegations from UI Faculty of Economy and Business and Faculty of Political and Social Science
- a delegation from the Ministry of Home Affairs RI
- BAPPENAS participants of a short course on project report writing techniques
- Ministry of Finance participants of a short course on natural resource-based accounting
- Ministry of Finance participants of the Australia Awards Indonesia (AAI) short course on innovative strategies for delivering training and development in a corporate university
- various government participants in AAI short courses on public-private partnership, policy development for livestock production and supply chain, and change management.

UQ World Rankings

Performance Ranking
of Scientific Papers
for World Universities

43

US News Best
Global Universities

45

QS World
University Ranking

51

Academic Ranking of
World Universities

55

THE World
University Ranking

65

Indonesia office

UQ established its Indonesia Office in 2014, strategically located in central Jakarta to collaborate more directly with universities, government agencies, corporate networks, and non-governmental organisations, and to support UQ’s alumni in the wider South-East Asian region.

Chief Representative Ratu Sovi Arinta (Sovi) oversees UQ’s Indonesian Office. Having a local on-the-ground benefits students and researchers, while also helping to advance Indonesia’s research capabilities.

“UQ’s presence in Indonesia reflects the University’s long-term commitment to the South-East Asian region – a relationship that has been strengthened by decades of meaningful engagement,” Sovi said.

“UQ has 34 formal research and academic agreements with 21 official partners in Indonesia. In the past decade alone, more than 200 UQ experts from across disciplines have collaborated with Indonesian researchers.

“Moreover, it is part of a broader recognition by Australian business, educational, and political institutions of a shared future with our neighbours.”

The strategic objectives and aims of the UQ Indonesia office include:

- managing the University’s relationships with Indonesian partners, including universities, government agencies, corporate networks, and NGOs
- facilitating research collaboration and strategic partnerships
- increasing faculty and student mobility with partner institutions and organisations
- engaging alumni
- facilitating philanthropic investment
- elevating the profile of UQ in Indonesia.



UQ President and Vice-Chancellor Professor Peter Høj with UQ alumni in Jakarta



L-R: UQ Global Engagement Director Dr Jessica Gallagher, UQ President and Vice-Chancellor Professor Peter Høj, UQ Indonesia Office Intern Rory Brown, and UQ Chief Representative Ratu Sovi Arinta

Key partners



Research projects

In the past five years, UQ has collaborated with four Indonesian institutions on four research projects, backed by A\$739,495 (8 billion IDR) in funding and covering topics such as marine reserve design, enhancing tropical pulses, and urban waste management. Key collaborators include the **Indonesian Legumes and Tuber Crops Research Institute** and **World Wildlife Fund**, Indonesia.

Two Indonesian organisations, **People and Nature Consulting** and **World Wildlife Fund**, Indonesia, have contributed A\$86,634 (962 million IDR) towards three research projects in the past five

years. Projects investigate marine reserve design and sustainable management of Borneo's landscapes.

UQ researchers have also been involved in 39 research projects focusing on Indonesia, backed by more than A\$15 million in funding (166.6 billion IDR). Project funders include the **Australian Centre for International Agricultural Research** and the **Australian Research Council**, as well as international bodies such as the **World Bank Group**.

Current projects relating to Indonesia

	DURATION	GRANTING BODY
Sustainable productivity improvements in allium and solanaceous vegetable crops in Indonesia and sub-tropical Australia	2013-2018	Queensland Department of Agriculture and Fisheries
Capturing Coral Reef and Related Ecosystem Services (CCRES) Project	2013-2018	World Bank Group
Benchmarking reef health for spatial conservation in Borneo	2014-2018	Estate of Winifred V. Scott
The burden of non-communicable diseases (NCD) and the cost-effectiveness of integrating NCD and Maternal and Child Health services in Indonesia	2017-2018	University of Queensland
Capturing Coral Reef and Related Ecosystem Services - the natural capital of reefs as coastal defences	2015-2018	University of Queensland
Developing value-chain linkages to improve smallholder cassava production systems in Vietnam and Indonesia	2015-2019	Australian Centre for International Agricultural Research
How can gated communities contribute to the public good and improve the living conditions of poor residents? Gated communities and inequality in Indonesia	2016-2018	University of Queensland
How does torture become normal? Indonesia's New Order regime, 1965-1998	2017-2020	Australian Research Council
Marrying community land-rights with stakeholder aspirations in Borneo (University of Kent led Darwin Initiative Grant - DEFRA)	2017-2019	University of Kent
Profitable feeding strategies for smallholder cattle in Indonesia	2017-2020	Australian Centre for International Agricultural Research
Understanding the Social, Economic and Health Vulnerabilities in Indonesia (UWA led DP)	2017-2020	University of Western Australia
GIS support to WCS Indonesia Program's Sulawesi project	2017-2018	Wildlife Conservation Society (USA)
Indigenous reproductive sovereignty and health services in Indonesia	2018	University of Queensland
Transformational Educational Leadership in 21st Century Contexts: Australia-Singapore-Indonesia partnership (TransformEd@21)	2018	The HEAD Foundation
Status and conservation of the Ontong Java flying fox: a data deficient endemic of a disappearing Pacific atoll	2018	The Mohamed bin Zayed Species Conservation Fund

Key themes



School of Agriculture and Food Sciences Associate Professor Max Shelton conducting forage tree legume research



Reducing carbon emissions

UQ has broad expertise in nature-based climate change mitigation and adaptation approaches, including blue carbon, coral reef protection, tropical peatlands conservation, and biofuel production.

UQ seeks to understand the impacts of humans and the environment on marine and terrestrial ecosystems and the best way to apply this knowledge to mitigate and adapt to the impacts of climate change. Multidisciplinary applied research has led to longstanding collaborations with some of the most influential environmental and scientific institutions in Australia and the world, including the Great Barrier Reef Marine Park Authority, World Bank, International Panel on Climate Change (IPCC), UNESCO, Royal Society of London, Global Environment Facility (GEF), Convention on Biodiversity, World Heritage Convention, International Union for Conservation of Nature (IUCN), United Nations Environment Program, World Health Organisation, and the Indonesian Peatland Restoration Agency.

Restoring peatlands

The tropical peatlands of South-East Asia are a storehouse of carbon. However, the peatlands have been extensively drained to create agriculture and industrial plantations, which has led to more frequent and intense peatland fires and has enormous environmental and public health ramifications. In 2017, UQ Australian Research Council (ARC) Centre of Excellence for Environmental Decisions (CEED) Professor Kerrie Wilson and School of Earth and Environmental Sciences Associate Professor Paul Dargusch teamed up with Indonesian Government representatives, including UQ alumnus Dr Alue Dohong, to create the International Peatlands Restoration Research Alliance (APRRA). The Alliance facilitates the coordination of peatland research efforts across Indonesia, and engages Indonesian and international experts to collaboratively address one of the world's greatest environmental problems.

Blue carbon

School of Biological Sciences Professor Catherine Lovelock is a world-leading expert in 'blue carbon' – the sequestration potential of mangroves, seagrass and saltmarshes. Under her leadership, UQ is at the forefront of the science that underpins blue carbon strategies, and is helping to develop policy and tools for greenhouse gas emissions reduction plans.

Fueling the world

With worldwide demand for transport fuels set to rise by up to 82 per cent by 2050 according to the World Energy Council, UQ is a major player in meeting the global sustainable transport challenge. School of Agricultural and Food Sciences Professor Peer Schenk is developing clean and sustainable bioenergy, including sourcing biodiesel from the seeds of legume trees and microalgae, and developing high-sugar varieties of sorghum and sugarcane for efficient ethanol production.

Healthy oceans

For the health of the world's oceans, School of Biological Sciences Professor Peter Mumby has developed close cooperation with governments, universities and management agencies in coral reef management. The World Bank and GEF-funded 'Capturing Coral Reef and Related Ecosystem Services' (CCRES) project, led by UQ with partners in Indonesia and the Philippines, is building capacity in South-East Asia to improve coastal management and livelihoods. UQ is one of only two Australian universities to have a memorandum of understanding with the multi-governmental Coral Triangle Initiative, which is spearheading cooperative research initiatives, training, and technical capacity building across the Coral Triangle region.



School of Agricultural and Food Sciences Professor Peer Schenk

Conserving healthy ecosystems

Funded by the Global Environment Facility, the World Bank, and UQ, the Capturing Coral Reef and Related Ecosystem Services (CCRES) project seeks to unlock the natural wealth of coastlines in the East Asia-Pacific to enhance livelihoods, improve food security, and sustain coastal ecosystems.

Several Indonesian elements of the CCRES project are being piloted in Selayar, an island off the coast of South Sulawesi. The area is rich in biodiversity. However, pollution, overfishing, unsustainable development, and climate change are putting intense pressure on its ecosystems, and threatening the livelihoods of its coastal communities.

The first step of the project is quantifying how elements of coastal ecosystems – including seagrass beds, mangroves, coral reefs, and fisheries – play a pivotal role in food security, ecotourism, and water filtration. By explicitly connecting values with benefits, CCRES will demonstrate the need to maintain and conserve healthy ecosystems, and highlight the economic benefits derived from ecosystem services. Secondly, researchers are working with stakeholders and local businesses to identify opportunities for improved economic growth while also helping to channel development in accordance with social wellbeing. Thirdly, the process of marine spatial planning is being improved so it meets social and economic needs, while also supporting key ecosystem services such as fisheries and coastal protection from storms.

CCRES Chief Scientist and UQ School of Biological Sciences Professor Peter Mumby said marine planning has never been more important.

“The rate of coastal development in Indonesia is astounding,” he said.

“CCRES is working closely with government and NGOs to assist the planning process and help deliver better economic and environmental outcomes.”

Associate Professor Damien Hine from the UQ Business School added that the team is already seeing fantastic examples of local entrepreneurial spirit.

“We visited a local co-op that’s looking at processing fish for different applications on a very small scale. It’s very successful, and there is a lot of potential to grow this sort of business. It’s a fascinating place. The people are so warm and friendly, and we see great opportunity in working in a place like Selayar,” Professor Hine said.

The CCRES team comprises researchers, technical experts, and practitioners from Australia and South-East Asia. The team sees the involvement of local communities, government, and businesses as critical to ensuring the findings are relevant, practical, and accurate.



UQ ranks **3rd** in the world for **Environment/ Ecology**

Source: Performance Ranking of Scientific Papers for World Universities 2017



Top: School of Biological Sciences’ Dr Alice Rogers surveys reefs around Selayar | Middle: UQ workshop with marine planners throughout Indonesia on marine reserve network design, in partnership with WWF Indonesia | Bottom: High levels of biodiversity in coral reefs off Selayar. Images by UQ School of Biological Sciences Professor Peter Mumby

Parenting support

UQ's Parenting and Family Support Centre (PFSC) is building relationships in Indonesia through government ministries and universities.

In November 2016, The Indonesian Ministry of Early Childhood and Community Education (ECCE) announced it was offering Triple P – Positive Parenting Program seminars to parents in eight regions throughout the country, including North Sumatra, South Sulawesi, South Kalimantan, and West Nusa Tenggara.

The ECCE centres will facilitate Triple P seminars to parents in two age brackets: parents of children up to six years old, and parents of elementary school children (six-12 years old).

Triple P – developed and commercialised through UQ – was trialled in Surabaya earlier in 2016. The results were positive, suggesting the Triple P Seminar Series could improve children's behavioural problems and parent's confidence while reducing dysfunctional parenting practices and stress.

In March 2016, the Department of Foreign Affairs and Trade (DFAT) sponsored UQ School of Psychology Professor and Triple P founder Matthew Sanders, and Senior Research Fellow Dr Divna Haslam, to visit Indonesia. The pair provided advice and technical support to the Indonesian Ministry of Education and Culture's newly established Directorate of Parenting Education. Further engagement includes a collaboration with the University of Semarang, which has funded a project examining the role of parenting in preventing radicalisation. In addition, the Centre is currently collaborating with Bogor Agricultural University among low socio-economic status families in West Java.



Partners in Psychology

Universitas Indonesia (UI) is one of UQ's most enduring international partners.

In 2015, Faculty of Health and Behavioural Sciences Executive Dean Professor Bruce Abernethy led a UQ delegation to UI to mark 15 years of the joint psychology program. Professor Virginia Slaughter and Associate Professor Peter Newcombe from the UQ School of Psychology also ran a seminar for more than 200 attendees, provided research advice, and attended an alumni dinner as part of the anniversary celebrations.

More than 200 UI students have completed their bachelor's degree at UQ since 2002, with many staying on for honours and postgraduate programs.

UQ ranks **27th**
in the world for
Psychology

Source: QS World
University Rankings by
Subject 2018

"With respect to research, there has been, and continues to be, developing partnerships linking staff and students from both institutions," Professor Abernethy said.

Students in the program study for two years at UI and for two years at UQ to complete a Bachelor of Arts (Psych) from UQ, and a Bachelor of Psychology from UI. While studying their UI curriculum, the students also receive intensive teaching weeks from visiting UQ staff each semester, along with English language lessons. Interest in the program has grown substantially throughout the years.

The collaboration isn't limited to students; on average, a staff member from UI spends two months at UQ once every two years, to conduct research within the School of Psychology.

Developing people-to-people links

2017 saw a record number of students travel to Indonesia as part of their degree, while two UQ researchers will soon visit the country after being recognised as 'World Class Professors' by the Indonesian Government.

New Colombo Plan **success**

Taking advantage of the Australian Government's New Colombo Plan, 78 UQ undergraduate students took part in student mobility initiatives to Indonesia in 2017. For example:

- Sixteen journalism students participated in a 10-day trip to Jakarta in April to experience life as a foreign correspondent.
- Fifteen law students took part in a 10-day program on Exploring Anti-Corruption, Integrity and Corporate Governance in Indonesia, in cooperation with Indonesian agencies such as the Corruption Eradication Commission (KPK).
- 2017 was also the first year in which a UQ student studied under an official exchange agreement, aside from the Australian Consortium for 'In-Country' Indonesian Studies (ACICIS) program. Law student Alex Williams studied at the University of Indonesia in the first semester of 2017 and undertook internships with KPK and the Indonesian Judicial Commission.



SOPHIE VOLKER

Bachelor of Journalism (2017 graduate)



I was fortunate to be one of 16 UQ journalism students selected to take part in a study trip to Jakarta.

This 10-day trip to Indonesia, funded by the Australian Government's New Colombo Plan, aimed to give us an insight into the life of a foreign correspondent.

It was a whirlwind trip filled with valuable experiences, vibrant colours, interesting characters, and a diverse culture.

During our time in Jakarta, the election was being held for the governorship of Indonesia's capital city. As a journalism student, I didn't want to miss the opportunity to cover a political story as it unfolded, so I went out among the voters.

It was so exciting to speak with the locals about the election, the voting process and their preferred candidate.

UQ in Indonesia was a trip that far exceeded my expectations. The people I met, both from Australia and Indonesia, and the experiences I had, were incredible.

Spending 10 days as a foreign correspondent has cemented in my mind that I am on the right career track.

It's given me a huge sense of pride, a portfolio of unique stories to show future employers, and most of all, lifelong friends."

Sophie now works as a journalist at the Australian Broadcasting Corporation (ABC).

World-class honour

The Ministry of Research Technology and Higher Education Republic of Indonesia announced a new program in 2017, 'World Class Professor', which seeks to invite leading international researchers to partner with Indonesian institutions. The project aims to foster greater collaboration, mentorship, and joint research publications. Two UQ professors have been chosen to travel to Indonesia as part of the initiative: School of Biological Sciences Professor Peter Mumby is partnering with Hasanuddin University in what is the only funded collaboration outside of Java, while Queensland Alliance for Agriculture and Food Innovation Professor Andre Drenth is partnering with Gadjah Mada University on tropical plant disease research.



Partnering for policy impact

UQ's Institute of Continuing and TESOL Education (ICTE-UQ) has been actively involved with Indonesia since early 2000 through non-award education and training – in country and in Australia.

Since 2014, more than 300 Indonesian students have enrolled in ICTE-UQ programs, which range from standard and customised English language training, to teacher training, vocational education, and professional internship programs. The Institute has a number of active collaborative programs with universities, corporations, and government instrumentalities in Indonesia, including a research and journal writing program for postgraduate students at the State University of Makassar, and a customised program for public service personnel employed by Indonesia's Directorate General of Immigration. ICTE-UQ also designed an intensive 12-week program to assist higher degree by research students from a range of Indonesian universities to publish in international journals.

UQ International Development (UQID), part of ICTE-UQ, is one of Asia-Pacific's leading university development groups. Since 2012, UQID has designed and delivered 22 Australia Awards Indonesia Short-Term Awards to more than 470 participants. Targeted at government, civil society, and the private sector, these awards are comprised of theoretical and applied teaching components to provide participants with enhanced knowledge and skills relevant to their workplaces, and to build organisational and individual capacity. Subject areas include: livestock policy development, dryland farming, corruption eradication, change management, public policy formulation, public sector financial management, and public-private partnerships.

In addition to DFAT aid programs, UQID has also conducted workshop training for Indonesian Government personnel under the auspices of the World Bank and other international donor programs.



Course participants

Managing natural resources

The Ministry of Finance Directorate General of State Asset Management (DGSAM) recently took part in a course to analyse the macroeconomic and fiscal impacts of natural resources and environmental changes without the need for an economics background. The course comprised introduction to essential theory, frameworks, and metrics and tools for fiscal policy analysis of natural resources economics.

The course was led by a team of experienced facilitators, including School of Economics Associate Professor Dr John Asafu-Adjaye and senior Australian Government experts. In addition to classroom sessions, participants visited government agencies and were involved in group projects.

Creating sustainable public-private partnerships

In August 2017, 27 Indonesian participants took part in a course at UQ on public-private partnerships. Given the increasing focus on public-private partnerships in Indonesia as a means of achieving national infrastructure priorities, the course enabled participants to benchmark different types of partnerships in Australia, particularly in the areas of infrastructure and service delivery, and to improve understanding of the key factors that contribute to enabling environments of successful partnerships.

Participants came from a variety of workplaces such as the Ministry of National Development Planning, Ministry of Finance, Coordinating Ministry of Economic Affairs, the National Public Procurement Agency (LKPP), Ministry of Home Affairs, the Ministry of Public Works and Housing, and Regional Development Planning Boards, and from a range of municipalities including Jakarta Special Administrative Region (DKI Jakarta), Makassar, Manado, Balikpapan, Lampung, and Pekanbaru.

The course included expert guest lectures, institutional and on-site visits, case studies, and networking functions and panel sessions. Notable projects to come from the course include a 'PPP Projects Monitoring Dashboard and Projects Collaboration Tool for Government Agencies' by the Coordinating Ministry of Economic Affairs and 'Guidelines on How to Initiate PPP Projects for Makassar Government Officials' by Makassar City Government.

The Australian experience was followed by a post-course workshop and Australia Global Alumni panel discussion, held in Jakarta in October 2017.

Notable alumni

UQ's academic environment has been complemented with a significant Indonesian cohort for more than 50 years. Our Indonesian alumni have attained leadership positions across Indonesian government, corporate, and non-government organisations, and include some of the University's most enthusiastic ambassadors.

DR ALUE DOHONG

PhD, Geography, Policy, and Environmental Management (2016)

Dr Alue Dohong is the Deputy for Construction, Operation, and Maintenance with Indonesia's Peatland Restoration Agency (BRG RI), a President's special taskforce charged with the massive task of restoring more than two million hectares of peatland areas across seven provinces in Indonesia.

In 2017, Dr Dohong established the International Peatlands Restoration Research Alliance (APRRA). The Alliance facilitates collaboration and coordination of peatland research efforts across Indonesia, and engages Indonesian and international experts.

He drives the collaborative efforts with the UQ team from the School of Earth and Environmental Sciences and Centre of Excellence in Environmental Decisions in major joint research activities regarding the restoration of peatland in Indonesia. He collaborates with UQ on environmental management and geo-mapping to help meet the agency's, and Indonesia's, goals.



DR ILLAH SALLAH

PhD, Chemical Engineering (1994)

Dr Illah Sallah is the Coordinator of KOPERTIS III (Jakarta Area), an entity within the Ministry of Research Technology and Higher Education, and is charged with development and quality assurance of Indonesian private universities. Most recently she was the Director of Learning and Student Affairs with the Directorate General of Higher Education, Ministry of Education and Culture in Indonesia.

PROFESSOR ENDANG SUKARA

PhD, Microbiology (1989)

Professor Endang Sukara is an acclaimed scientist and a member of the Indonesian Academy of Sciences. Much of Dr Sukara's life has been dedicated to promoting science and research, and he has held several significant leadership roles. He was previously Vice-Chairman of the Indonesian Institute of Sciences, assisting the Indonesian President in furthering research and development in the areas of science and technology. He has published more than 150 scientific papers about biodiversity and conservation, and has taught at universities across Indonesia. He was named UQ's International Alumnus of the Year in 2014.

Indonesia's first shrimp pathologist

DR SIDROTUN NAIM

Master of Marine Biology (2005)

Dr Sidrotun Naim is a faculty member and the Director of the Centre for Sustainable Aquaculture and Pathology at Surya University. She first became interested in studying diseases on shrimps after working for the Indonesia-Aceh WWF program as a marine program consultant. In the field, she said she encountered several experts in water quality and fish pathology, but not in shrimp pathology – despite Indonesia being one of the world's top shrimp producers.

"When an outbreak of a shrimp disease occurs, we have no adequate knowledge to define, analyse, and diagnose the problem," she said.

Now, the Indonesian Ministry of Maritime and Fisheries has employed Dr Naim as this expert.

Dr Naim has received a number of prestigious international awards including the 2009 L'Oreal-UNESCO For Women in Science Awards in Indonesia, and the 2010 Schlumberger Foundation Faculty for the Future award.

Dr Naim was also nominated for the 2016 UQ International Alumnus of the Year Award.



Dr Sidrotun Naim delivering a TEDxJakarta talk on the science of shrimp



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Prepared by UQ Global Engagement

March 2018

UQ Global Engagement supports the development and implementation of The University of Queensland's Global Strategy and enhances the reputation of UQ as a leading global university through the management of international partnerships, programs, and projects.

The office builds and maintains a network of strategic international relationships and collaborations, and provides expert support and advice to stakeholders, with the aim of identifying and prioritising opportunities that will showcase and extend UQ's research, teaching and learning, and engagement activities.

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Global Impact



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