



## WITH A STRATEGY FOR THE FUTURE



# About us

## What is the Crawford Fund?

The Crawford Fund is a not-for-profit organisation seeking to increase Australia's engagement in international agricultural research and development (R&D). We work to raise awareness of the benefits – for both Australia and developing countries – of investment in the sector. We also support training programs for developing country scientists, drawing on Australian experience. We are a registered charity and depend on grants and donations from governments, private companies, corporations, charitable trusts and individuals. We work in partnership with the Australian Centre for International Agricultural Research ([ACIAR](#)), the Consultative Group on International Agricultural Research ([CGIAR](#)) research centres, and other international research organisations. The Crawford Fund honours the life of Sir John Crawford, a remarkable Australian who supported international agricultural research for rural development, and contributed to the establishment of the CGIAR and its research centres. Along with Mr James Ingram AO and The Hon. Malcolm Fraser, Sir John was one of the principal architects of ACIAR.

## What are our aims?

We aim to sustain international agricultural research for the decades to come by promoting and supporting R&D activities in which Australian organisations and companies are active participants, and by encouraging investment by governments and the private sector in agricultural research and its applications.

## What do we do?

Our public awareness program improves understanding of the importance and potential of international agricultural research. Our training program offers practical, highly focused instruction to men and women engaged in agricultural research and management in developing countries.

We encourage and support young Australians in their careers, studies and volunteering in agriculture for development; and we develop policy and discussion papers to improve understanding of food security issues. Our partners in Australia and in developing countries share a vision of a better world realised through the dedicated efforts of agricultural scientists leading research, development and training. Through collaboration and training, we can achieve more productive and sustainable agriculture, less poverty and hunger, and a more secure world.

## ATSE and the Fund

The Crawford Fund was established in 1987 as an initiative of the Australian Academy of Technological Sciences and Engineering ([ATSE](#)). At ATSE's suggestion, the Fund became a separate not-for-profit company in 2014. ATSE and the Fund maintain close links – ATSE nominates a member on our Board, and we work with the ATSE Agriculture Forum around food security-related issues as appropriate.

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# A new strategy for the future

## From our Chair and CEO



*The Hon John Anderson AO  
Chair*



*Dr Colin Chartres PhD  
CEO*

An important milestone for the Crawford Fund during 2017-18 was the development of our 2018-23 strategic plan. The plan establishes some new directions while at the same time affirming several existing successful initiatives. The plan recognises that the environment in which we operate has changed over the last 20 years.

Today, the growing global population, particularly in developing countries, still sees almost one billion people undernourished, resulting in physical stunting and intellectual diminishment. Food insecurity can also lead to civil unrest in both rural and urban areas. Poor nutrition choices have also led to a further two billion people becoming overweight and obese in both developed and developing countries, with concomitant increasing health care costs. These issues set the scene for the Crawford Fund's work in both promoting the importance of Australia's support for international agricultural research and development, and in training existing and emerging scientists and managers to develop solutions and policies to overcome these critical challenges.

We strongly support training activities that provide benefits overseas and in Australia to both Australian and developing country participants. During 2017-18, the Crawford Fund Master Class Program continued to perform well – we held classes in Malaysia in November and October 2017, respectively, on Agricultural Research Leadership and Management (Penang) and Germplasm Operations and Advanced Learning (GOAL) (Kuala Lumpur); in January 2018, we also provided a Master Class on Plant Biosecurity in Bali, Indonesia.

- The Research Leadership and Management Master Class brought together mid-career overseas and Australian scientists, economists and managers, helping them develop technical and personal skills to initiate and lead research projects and programs.
- The GOAL Master Class, which was held in partnership with the Crop Trust, focused on adopting and using common genetic data base management procedures throughout the Indo-Pacific region and further afield.
- The Biosecurity Master Class built an understanding of how to resolve biosecurity issues using Australian and internationally developed skills and methodologies; improved biosecurity in our neighbouring countries also helps Australia with advance warning of encroaching pests and diseases.



The programs that our State and Territory committees fund are vital for providing young and not-so-young Australian scientists with practical experience of international agricultural research and development.

In 2017-18 we significantly increased the scale and reach of our mentoring model, where expert mentors are matched with overseas institutions and, in some cases, volunteers from the Department of Foreign Affairs and Trade (DFAT) Australian Volunteer program. This initiative builds on our mentoring program in Laos, which was developed by the NSW Committee in 2009. We have extended this model to Vietnam and Cambodia. The work in Laos focuses on plant pathology and horticulture, in Vietnam on forestry and in Cambodia on rural development. Our operating model – linking overseas institutions and researchers with Australian mentors and volunteers – aims to achieve sound development outcomes. It enables our overseas partners to seek professional experience and mentoring when they need to find solutions to critical local problems.

The programs that our State and Territory committees fund are vital for providing young and not-so-young Australian scientists with practical experience of international agricultural research and development. As such, they help us contribute to developing an emerging generation of scientists involved in international research and development. These programs help to utilise Australian expertise to build capacity on a wide variety of issues. We funded more than 40 training projects, of which at least 20 added considerable value to larger Australian Centre for International Agricultural Research (ACIAR)-funded projects. As part of our efforts to encourage the next generation of agricultural researchers, we offered our international agricultural student awards in every State and Territory for the first time, so that more students could incorporate an international component to their studies. We granted more

than 20 student awards to assist Australian-based students with on-ground and specific learning requirements. The students' reports on their experiences demonstrated not only enthusiasm for complex challenges, but also significant results helpful to development outcomes.

The 2017 Crawford Fund Annual Conference in Canberra focused on *Transforming Lives and Livelihoods: the digital revolution in agriculture*. Dr Lindiwe Majele Sibanda from the Alliance for a Green Revolution in Africa, and a member of the ACIAR Policy Advisory Council, gave an outstanding Sir John Crawford Memorial Address. Dr Sibanda, a highly respected and authoritative leader in agriculture, climate change and nutrition, spoke from the heart and used many moving personal anecdotes to illustrate food security and nutritional issues in Africa. The Crawford Fund brought 48 young scholars to the conference and to partake in additional mentoring and other activities with senior Australian agricultural specialists. We appreciate the generosity of those who helped sponsor the conference and scholars, as well as those who gave their time as mentors.

We have a well-developed public awareness program that we use successfully for many purposes. In 2017-18, our program delivered a successful national conference, as well as ensuring well-attended State events in Queensland, Western Australia, South Australia and Northern Territory. We also assisted with publicity for food security issues at national events and for VIP visitors to Australia. We supported journalists' visits to Nepal, Vanuatu, Colombia, Laos, Peru and Mexico, which were covered in national media stories on Australian aid impacts, and which we used to provide significant publicity

for the Crawford Fund and for agricultural research. To help support international agricultural research and development, the Fund made two submissions to inquiries this year. Our submission to the Australian Parliament's Standing Committee on Foreign Affairs, Defence and Trade's inquiry into the strategic effectiveness and outcomes of Australia's aid highlighted the importance of Australia's contribution to international agricultural research and development on food and nutrition security, regional stability, educational linkages and diplomacy in the Indo-Pacific region. Our submission to the Foreign Affairs, Defence and Trade References Committee Inquiry into the United Nations Sustainable Development Goals (SDGs) argued that ODA is focused and demand-driven on the SDGs relating to food and nutritional security, water and energy.

Research in Agriculture for International Development's (RAID) membership increased to more than 800 during 2017-18, with 250 new registrations. Led by an enthusiastic group of volunteers, it provides

events that extol the benefits of careers in international agricultural research and development. During the year, RAID worked with the Fund's Master Class program to tailor specific training events on research leadership skills for RAID members. In June 2018, we held a preliminary workshop at the University of Queensland on this topic, with plans for another workshop in the first half of 2018-19. RAID also promoted several scientific and social events to encourage an emerging generation of researchers to participate in international agriculture.

2017-18 was the first year of operations under our new memorandum of understanding with ACIAR. We feel that the memorandum has helped determine the Fund's strategic direction. It has led to significant interactions across a range of areas and focused both organisations on working together even more closely to increase support for Australians beginning careers in agricultural research and development. Financially, the Fund generated a small surplus in 2017-18 that will be used to support mentoring programs in future years.



*We launched our Strategic Plan 2018-2023 at an ACIAR Commission Meeting. Our CEO, Dr Colin Chartres is pictured here with Prof Andrew Campbell, CEO, ACIAR (L) and Don Heatley, Commission Chair*

# Building awareness

## Showcasing agricultural issues and research, and their impacts

Our public awareness program continued to focus attention on the mutual benefit and impact of international agricultural research.

This section highlights some of the key activities in 2017-18.



Our conference had a set of case studies to highlight impact and success. One was by Dr Pham Thi Sen on the smart use of data in marketing vegetables in Vietnam

## National spotlight on food security

### 2017 Annual Conference

The title of our 2017 Annual Conference was *Transforming Lives and Livelihoods: The Digital Revolution in Agriculture*. Once again, we focused the national spotlight on a key food security issue, highlighting the impact of the digital revolution in agriculture and development.

Conference delegates heard thought-provoking presentations and specialist case studies delivered by Australian and international experts. These emphasised the benefits the technology revolution can provide in terms of uncomplicated, targeted and efficient solutions to a variety of issues:

- harnessing the benefits of technology may attract young energetic people into the sector
- digital innovation can increase farmers' knowledge, in real-time potentially providing inspiration to implement change
- partnerships between the commercial sector and farmers for smallholder success are vital.

Our very popular conference scholarships enabled 48 young people from around the country to attend our conference and our special activities with personal mentoring. A full report is in the section on our NextGen program ([page 18](#)).

The event attracted significant national media [coverage](#). We provided all presentations on our website in the week of the event, along with our Keynote Listeners' report. This was a new element in 2017-18, which was prepared by members of Research in Agriculture for International Development (RAID).

We made the [official proceedings](#) of the conference available by the end of 2017-18 in both hard copy and online.



### ***Sir John Crawford Memorial Address***

Since 1985, the Sir John Crawford Memorial Address has been held in honour of the remarkable Australian in whose name the Crawford Fund was established. This is a highlight on the Crawford Fund's conference and calendar.

This year, Dr Lindiwe Majele Sibanda – then Vice President for Country Support, Policy, and Delivery of the Alliance for a Green Revolution in Africa, and Member, Policy Advisory Council, Australian Centre for International Agricultural Research (ACIAR) – delivered a powerful address. Dr Lindiwe's presentation, *A New Narrative for Ending Hunger*, provided a passionate and articulate argument on the need for continued efforts in food and nutrition security. We videoed the address and made it available on our [YouTube site](#).



*Dr Lindiwe Majele Sibanda explained her personal experience of why we need “A New Narrative for Ending Hunger” in her moving Sir John Crawford Memorial Address*



We appreciate the assistance that our conference attracts each year with both sponsorship and in-kind support. One example is that the Fund partnered with students from the University of Western Sydney to carry out vox pop video interviews at our 2017 Annual Conference. We posted this year's videos, on bigdata and other topics such as careers in agriculture, on our YouTube site. An example is this video with keynote speaker Dr Andre Laperriere, with his advice on how to pursue a career in agriculture.



## Engaging around the country

Each year, in addition to our national conference in Canberra, our public awareness program works with our State and Territory committees and Researchers in Agriculture for International Development (RAID) to hold forums and networking events that engage with our partners and stakeholders, with additional outreach through the media.

### ***Impacts, opportunities and partnerships in Western and South Australia***

In November 2017, we held consecutive forums and networking receptions titled *World Food Security: Impacts, Opportunities and Partnerships*, in both Perth and Adelaide. These well-attended events involved Professor Andrew Campbell, CEO, ACIAR, making keynote addresses at both events on progress in food security, ACIAR's mission and the importance of Australia's expertise to achieve more productive and sustainable agricultural systems for the benefit of developing countries and Australia.

Esteemed local scientists and young 'nextgen' researchers discussed the importance of their State's involvement in Crawford Fund's activities. They also talked about the opportunities available for students, early career scientists and those interested in delivering training and mentoring programs with us.

### ***The Crawford Fund Queensland forum***

The Crawford Fund Queensland Committee held its annual Forum and Networking Reception at Queensland's Parliament House in Brisbane in February 2018. The forum, *Agriculture, Food and Nutrition Security: Involving the Next Generation*, celebrated and discussed Queensland's work for food security. The event was attended by around 130 guests and was officially opened by The Hon. Mark Furner MP, Minister for Agricultural Industry Development and Fisheries.

The forum focused on attracting more young people to agriculture for development. It highlighted some of the young Queenslanders we have supported in their work overseas and the win-win-win situation that results, with benefits flowing back to them, to Queensland, and to the developing country in which they worked.



*Our WA forum panel discussion focused on WA work in international agriculture, the benefits flowing back to WA agriculture and researchers, and its impact in developing countries*



*In opening our Queensland Forum, Minister Mark Furner noted his Government's continued support for the Fund's efforts to train and support young researchers*

### ***Our first Northern Territory forum***

We held our first ever forum in Darwin, *Developing the Indo-Pacific Region and Developing the North: Opportunities and Partnerships*, at Parliament House in May 2018. In opening the forum, The Northern Territory (NT) Minister for Primary Industry and Resources, the Hon. Ken Vowles, provided examples of past and current engagement with Australia's Northern neighbours. In closing, he added, 'I therefore commend the goals and operations of the Crawford Fund. Sharing our agricultural expertise with our neighbours and enabling our young professionals to acquire overseas experience are both very worthwhile goals.'

Professor Andrew Campbell, CEO of ACIAR then discussed the pivotal role of agriculture in food and nutrition security. This was followed by a panel of NT researchers who have been part of Crawford Fund training, and young researchers who explained their work and how it has benefited our neighbours to the north, the NT and their own careers. We also launched the RAID chapter in NT at the event.

### **Strengthening partnerships**

In 2017-18, we continued to support our partners with programming and/or media assistance for events with a food security focus.

### ***Science in the genetically modified food fight***

In September, the Crawford Fund supported and assisted the ARC Centre of Excellence for Translational Photosynthesis to program a public event on genetically modified food (GMOs). The event involved a screening of the documentary, *Food Evolution*, followed by a panel discussion involving Rob Furbank, Australian National University; Tony Mahar, National Farmers' Federation; Andrew Campbell, ACIAR; Elizabeth Finkel of Cosmos Magazine; and the documentary director Scott Kennedy, via video link. Adrienne Francis from ABC News, Canberra, moderated the discussion. Cosmos Magazine [reviewed](#) the documentary, which also received coverage in [Fairfax Regional](#) press.



*Our NT Chair, Helen Garnett watches on as Minister Ken Vowles presents Samantha Nowland with her Crawford Fund Student Award at our first NT Forum*

### ***The critical role of livestock in food and nutrition security***

Dr Jimmy Smith, Director General of the International Livestock Research Institute visited Australia twice in 2017, including in November to attend TropAg2017 (see story opposite). Both visits provided the Fund with important opportunities to highlight nationally, on programs such as the ABC National Current Affairs program “PM”, [the critical role of livestock](#) in global food and nutrition security and to help the public understand that what appear to be simplistic environment solutions may not always work as expected.



*The Fund was pleased to arrange media interviews for Dr Jimmy Smith, ILRI, to explain the critical role of livestock – here with ABC’s Charlie McKillop*

### ***The Crawford Fund at TropAg2017***

The international conference, TropAg2017, was held in Brisbane in November. Our Queensland Committee partnered with TropAg2017 to bring seven young researchers from developing countries to present their research.

These promising young researchers provided an interesting and diverse snapshot of research underway in countries such as the Philippines, Myanmar, Nepal, Tunisia and Vietnam. Areas of research included sweetcorn, rice, cut flowers, avocado, macadamia, coconut, livestock and the sea cucumber. The Crawford Fund promoted this research, publishing a series of [blogs](#) written by the young researchers.

The Crawford Fund also ensured there was media coverage for the TropAg2017 launch of the book, [The Business of Plant Breeding: Market-led Approaches to New Variety Design in Africa](#). The book is a product of the alliance between the Fund, ACIAR and the Syngenta Foundation for Sustainable Agriculture (SFSA), discussed on [page 22](#) of the annual report.



*We had all partners represented at the launch of “The Business of Plant Breeding” – the Fund, ACIAR, the SFSA and African researchers here at TropAg2017*





*A number of interviews were arranged for ACIAR's Commissioner, Prof Kym Anderson, at the AARES conference - here with Marty McCarthy, ABC Rural*

### ***Agricultural economists spreading the word***

We continued to support the national conference of the Australasian Agricultural and Resource Economics Society with media outreach.

Renowned economists including Professors Kym Anderson, Lin Crase, Malcolm Wegener, Wendy Umberger, Ed McLaughlin and Tom Reardon were involved in interviews on a variety of issues such as water and energy policy, gender, and the impacts of migration.

### ***Rural Press Clubs discuss genebanks***

Genebanks and biodiversity conservation are important agricultural issues. In June 2018, the Crawford Fund assisted with the following events:

- an address to the Queensland Rural Press Club in Brisbane - The Hon. Tim Fischer AC (Chairman, Crop Trust, and Patron and former Chair of the Crawford Fund) spoke on *Seeds on Ice and Good Food Forever*
- a forum with the Rural Press Club Victoria in Horsham - Laura Poole (Rural Press Club of Victoria President and senior ABC journalist) hosted an entertaining panel session featuring The Hon. Tim Fischer AC, Dr Sally Norton from the Australian Grains Genebank, Dr Kent Nnadozie of the International Treaty on Plant Genetic Resources for Food and Agriculture of the FAO and Dr Tony Gregson AM FTSE from the Crawford Fund Board.

### **Connecting through social media**

Our social media presence and outreach grew this year. Our website and monthly *Highlights* e-newsletter focuses attention on key news items on food policy as well as our own events and training activities. The e-newsletter is distributed to our database of around 2,000 subscribers. Additionally, during 2017-18, almost 100 separate news and training stories were posted on our website, which were then further distributed through our other social media channels.

During 2017-18 more than 1.9 million people received social media messages from the Crawford Fund. There was a significant spike in interest in the lead up to and during the 2017 Annual Conference, and we reached more than 400,000 people worldwide. In total there were 12,700 likes, comments, retweets and shares, which significantly increased the reach of the messages sent by the Crawford Fund. The majority of social media messages include links back to the website, and there were 5,300 clicks to our original content.

We have an active [Twitter](#) presence and launched a new [Facebook](#) presence in September 2017. This reach is to a wider and more targeted audience in Australia and overseas, and enables a more timely and responsive interaction with our partners, supporters and followers globally. For example, from



*Kiran Subedi, our 2017 Crawford Fund Fellow, receives his award from our former chair, The Hon Tim Fischer, accompanied by the Fund's Prof Shaun Coffey (R)*

English-speaking countries, just 44 per cent of our Twitter audience is from Australia, with the majority connecting with the Fund from overseas. Year-on-year, the total audience following increased by 30 per cent to 5,700 people.

Our special [CrawfordFundLaos Instagram](#) account is maintained by members of our mentoring and volunteering program in Laos. In 2017-18, they provided around 80 entries describing their work improving capacity, trade, crop health and biosecurity.

## **Our special awards support awareness and training**

The Fund's public awareness and training programs present special awards highlighting food security issues and capacity building. The 2017-18 recipients of these awards are detailed below.

### **Food Security Journalism Award 2017**

Brett Worthington, a member of the ABC's National Regional Reporting Unit, won this year's prize for his story on *Improving access to agriculture in the global effort to eradicate hunger*. Brett's win was announced by The Hon. John Anderson, Chair of the Crawford Fund at the 2017 Annual Conference dinner in August. Brett's visit is reported on [page 13](#).

### **Crawford Fund Fellowships 2017 and 2018**

The Crawford Fund Fellowship was established in 2002 with the generous support of Dr Brian Booth AM FTSE, to provide further training in Australia to a scientist in agriculture whose work has shown significant potential.

In March 2018, we were pleased to announce that Mr [Kiran Subedi](#), Deputy Chief Agriculture Officer in the Department of Agriculture, Bhutan, had been awarded the prestigious Crawford Fund Fellowship for 2017. Kiran used his six weeks' training in Australia to expand his knowledge and skills in policy development and policy project management to better serve the needs of his country. His visit involved training activities and visits to agencies and universities in Brisbane, Canberra and Adelaide.

In May 2018, we were delighted to award our 2018 Crawford Fund Fellowship to [Mr Ha Tien Manh](#), a researcher at the Vietnamese Academy of Forest Sciences. Mr Manh recently commenced his PhD through the academy, addressing the process of solar-kiln drying the timber from *Acacia mangium*. His research will help to improve the efficiency and profitability of drying wood using this method. As a result of this award, Mr Manh will gain expert knowledge under the guidance of Dr Adam Redman, Senior Research Scientist at the Queensland Department of Agriculture and Fisheries. As Mr Manh arrived in late July 2018, his visit will be reported in the 2018-19 annual report.



*Our 2016 Food Security Journalism Award winner, Sean Murphy, was himself interviewed in a short ACIAR video on what he saw on the trip to Nepal, as well as producing his ABC TV Landline feature, and national ABC Radio and online features*

## **‘Seeing is believing’ – from the Pacific to the Arctic and beyond**

It was a busy year for our public awareness program’s ‘seeing is believing’ initiative with programs organised for journalists reporting on agriculture for development during visits to the Pacific, Arctic, South America and Asia.

All the visits resulted in good news stories about the positive impact of the work underway in the regions, much of which is managed by ACIAR and renowned international agricultural research centres.

We must give special thanks to the DFAT Council on Australia and Latin America Relations (COALAR), which supported three visits, and the DFAT Australia India Council, which funded another (this visit will be reported on in the 2018-19 annual report).

We would also like to thank the project staff who assisted with the visits on the ground, all reported in this section.

## ***Australia growing hope in Nepal***

The 2016 Crawford Fund Food Security Journalism Award winner, ABC journalist [Sean Murphy](#) was accompanied by The Fund’s Cathy Reade, our Director of Outreach, and cameraman David Martin, and reported on their visit to Nepal in July 2017 in an extended story on ABC TV’s popular *Landline* program as well as in national radio and online [features](#).

The focus of the report was ACIAR work undertaken with Australian, international and Nepalese partners. This included Australia’s oldest agricultural aid program, which is in forestry, and proved particularly helpful following the 2015 Nepalese earthquake.

The program highlighted other ACIAR projects, which help reduce poverty and improve food and water security, with the emphasis on empowering local people, especially women.





AAP's Shae McDonald interviewed farmers and traders, researchers and decision-makers during her 'seeing is believing' visit to Vanuatu

### ***Pacific Week of Agriculture journalist visit***

A Crawford Fund 'seeing is believing' visit was also organised to Vanuatu during the Pacific Week of Agriculture in October 2017 for AAP journalist Shae McDonald.

Shae was accompanied by the Fund's Cathy Reade for a program in Vanuatu that included interviews with the Vanuatu Minister for Agriculture, the UNFAO representative for the Pacific Islands and the CEO of ACIAR. She also spoke to a range of Australian research managers in ACIAR's projects across horticulture, agribusiness and forestry, resulting in national articles on mitigating natural disaster damage, local businesses thriving with our support, and Vanuatu's move onto the world chocolate stage.

### ***Positive reports from post-conflict Colombia***

This year's Crawford Fund Food Security Journalism Award winner, Brett Worthington from the ABC, travelled with The Fund's Cathy Reade to the International Center for Tropical Agriculture (CIAT) in Colombia in early November 2017 for their 50th anniversary event, with financial support from the DFAT's COALAR.



While in Colombia, Brett Worthington, our 2017 Food Security Journalism Award winner, heard from Mellissa Wood on ACIAR support for CIAT work

The event provided a tremendous line up of specialists from Australia and around the globe for Brett's schedule, which also included field and genebank visits. The reports were covered nationally and included stories about CIAT's award-winning project using big data for the future of farming, particularly in mitigating the impacts of climate change; farming in post-conflict Colombia; how Australian business and agricultural aid are increasingly involved in Colombia, and how biofortified beans can bring peace and health.

### ***In the spotlight: Our project in Laos***

The Crawford Fund Capacity Building Program in Lao PDR has been underway since 2009, engaging Australian mentors and volunteers (through the Australian Government's volunteer program) with the Lao Provincial Agriculture and Forestry Office. The collaboration builds capacity in Australians and Lao partners in integrated disease, pest and weed management, biosecurity, food safety and trade. Workshops for farmers on plant health and the safe use of pesticides in Laos were funded by DFAT's Australia-ASEAN Council (AAC) and provided an ideal opportunity for a 'seeing is believing' visit with Cathy Reade in late November 2017 by the ABC's Josh Becker, to experience the work done by the Crawford Fund and ACIAR in Savannakhet. Josh met with Lao farmers and visited them on-farm, and had access to our lead mentor, Professor Lester Burgess, plus former volunteers Drs Madaline Healey and Kylie Ireland, at the time, volunteers Brendon Bangma, Sarah Bain and Nick Pain, for interviews during his visit. The resulting range of [stories](#) on national radio and online covered issues around the safe use of pesticides, biocontrol of forestry pests, growing forage crops for livestock, and the Fund's assistance with the farm at a special refuge for human/sex trafficking survivors.



*ABC's Josh Becker interviewed our volunteers, such as Brendon Bangma, on the personal and professional impact of his work in our Laos project...*



*... and also interviewed in-country partners who are so integral to our work, such as Mrs Sengphet Phantavong*



### **10<sup>th</sup> Anniversary of Arctic Seed Vault**

The Crawford Fund has been assisting the Crop Trust with public awareness in Australia around the importance of crop biodiversity conservation for over a decade, and has assisted with training through our Master Classes in genebank management. The Australian connection with the Crop Trust is close to the Crawford Fund, as our Patron and former chairman, The Hon. Tim Fischer, is currently Chair of the Crop Trust.

We were pleased to help facilitate ABC TV Landline's report on 18 February around the important work of Australia's genebanks, which involved our board member Dr Tony Gregson, who has a long association with genebanks and biodiversity conservation.

Cathy Reade, Director of Outreach, was invited by the Crop Trust to visit Svalbard, on the Norwegian island of Spitsbergen for its 10th Anniversary in March 2018. In turn, the Fund facilitated a visit for the anniversary by ABC journalist Steven Schubert, with national TV, radio and online content from the visit. The Fund worked with the Crop Trust and their partners to develop a busy schedule for Steven, with interviews including global and Svalbard genebank managers, and Australians Dr Sally Norton, Manager of Australia's Grain Genebank and Dr Steve Hughes, leader, Australian Pastures Genebank.



*Our board member Dr Tony Gregson AM, on the ABC Landline program on Australian genebanks*



*Steven Schubert, ABC TV, weathered some interesting conditions during the Svalbard visit we arranged – here interviewing Dr Cary Fowler*



### ***Spud Diaries from Peru***

With our successful application for support from DFAT COALAR for journalist visits, we were able to have Ashley Walmsley visit the International Potato Center and the 10th World Potato Congress in Peru in May 2018. Ashley is the national editor of Australia's *Good Fruit and Vegetable* magazine, and a features writer for Fairfax regional newspapers. He reported nationally throughout Fairfax regional papers and attracted social media attention with the '[Spud Diaries](#)', his blog about his trip to Peru with over 20 entries, including 14 videos. His features were varied, covering issues such as sustainability, biodiversity, nutrition, climate change and breeding super potatoes.

### ***Back to wheat***

A third Crawford Fund journalist visit supported by DFAT COALAR was the visit by The Australian's national rural reporter Sue Neales to The International Maize and Wheat Improvement Center (CIMMYT) in Mexico in late May/June 2018. Sue interviewed key CIMMYT scientists on issues as varied as the special Australian/CIMMYT relationship; biofortification; health, nutrition and wheat; work on wheat diseases and gene editing. The articles will be reported in the 2018-19 annual report.

### **Informing opinion**

Raising awareness of our own work and future directions, making submissions to Parliamentary inquiries related to food security and Overseas Development Assistance (ODA), and engaging with thought leaders helped us to inform opinion around food and nutrition security and capacity building.

### ***Changing our Strategy for a Changing Environment: The Crawford Fund Strategic Plan 2018-2023***

In the first half of 2018, the Fund worked with key stakeholders to identify our future directions, in order to make an even greater contribution to regional food and nutrition security, and to support Federal, State and Territory governments with their aid, economic diplomacy, biosecurity and trade goals. This culminated in the publication and launch of the Crawford Fund [Strategic Plan 2018-2023](#) in June 2018. The plan sets out how we will have a greater future focus on nutritional security; endorses our focus on equality of opportunity and empowerment of women in agriculture; recognises the need to focus on the Indo-Pacific region, while we continue to work elsewhere when a compelling case can be made; identifies the need to work more closely with the private sector, and supports



*Fairfax Regional papers' features writer, Ashley Walmsley, attracted quite a following with his 'Spud Diaries' during his COALAR-supported visit to Peru, including 14 videos such as this one that highlights activities at the renowned Cusco Potato Park in the Andes.*

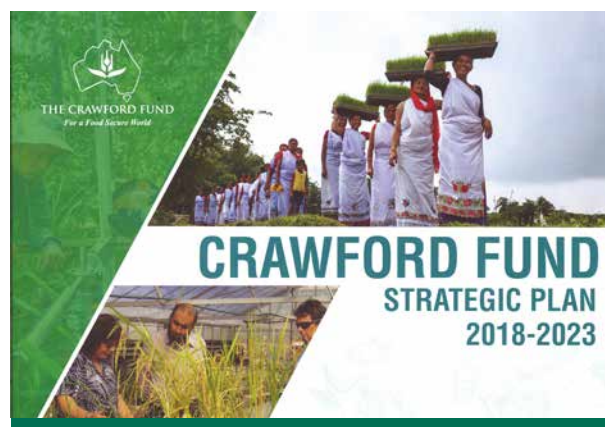
our efforts at strengthening our work with, and for, the next generation. The strategy was distributed widely and made available on our website.

### ***National media gets the message on aid effectiveness in food and nutrition security***

The Crawford Fund made a submission to the Joint Standing Committee on Foreign Affairs, Defence and Trade Parliamentary Inquiry into the strategic effectiveness and outcomes of Australia's aid program in the Indo-Pacific, and its role in supporting our regional interests. Our submission argued that new coalitions and a more integrated approach to aid across the agriculture-food-diet-health spectrum is needed if aid is to be effective. National media attention was brought to the issue through an opinion piece by The Hon John Anderson AO, Chair of the Crawford Fund and former Deputy PM, and the Fund's CEO, Dr Colin Chartres. The article argued that Australia can take a leadership role in our region, and improve the understanding of the relationship between agriculture, food, nutrition and health. In addition to this piece being published in *The Australian*, interviews with our Chair on national TV and radio sent a strong a strong message on the important role of research and development in agriculture.

### ***Clear mutual benefits from focusing on agriculture in sustainable development goals***

The Fund made a submission to the Foreign Affairs, Defence and Trade References Committee Inquiry into the United Nations Sustainable Development Goals (SDGs). We argued that Australia makes a significant contribution to helping meet the global challenges around the SDGs, and that Australia's ODA is focused and demand-driven on the SDGs relating to food and nutritional security, water and energy. We urged strongly that investment in this type of ODA be maintained or increased.



You can get an online or hard copy of our [Strategic Plan 2018-2023](#)

### ***Delivering thought-leaders' perspectives***

In July 2017, our *Highlights* e-newsletter started a new series of opinions and analyses by thought leaders to bring greater attention to key issues in global agriculture, food and nutrition security. Dr Colin Chartres, our CEO, started the series with an article emphasising the need for a more multidisciplinary approach to how international agricultural research and development is delivered and create greater impact. In addition to other members of the Crawford Fund family providing opinion pieces throughout the year, Professor Kym Anderson, President of the Policy Advisory Council, ACIAR, wrote a piece outlining the justifiable concerns about the capacity of agriculture to feed the world; and Dr Andrew Noble, from the Stockholm Environment Institute, wrote an article arguing that rapid urbanisation and industrialisation has led to increasing waste and emissions, resulting in the degradation of Asia's natural capital.



a more integrated approach to aid across the agriculture -food-diet-health spectrum is needed

# NextGen – our strong focus on the future

## Harnessing NextGen enthusiasm

The Crawford Fund has a growing set of programs to encourage the next generation or ‘nextgen’ in their studies, careers and volunteering in agriculture for development. We do this through our partnership with Researchers in Agriculture for International Development (RAID), by providing scholarships to our annual conferences and specially developed scholar activities, through our international agricultural student awards, and by providing volunteering opportunities within our mentoring program.

### RAID and the Fund

RAID is an active network of early to mid-career researchers with an interest in agriculture and international development, through which they share knowledge and opportunities, build research capacity, and communicate the value of agricultural research. The Fund continued its partnership with RAID to *connect, engage and support* up-and-coming researchers in Australia. RAID operates as an independent committee of the Fund.

RAID works with the Crawford Fund Outreach, Capacity Building and State Committee programs. It also actively contributes to the Crawford Fund Annual Conference, providing the ‘keynote listeners’ report and helping deliver the Conference Scholars activities. RAID has also strengthened its partnership with the Fund, by connecting RAID representatives with Crawford Fund State Committees, and ensuring all committees will have RAID members in the future.

A pivotal part of RAID’s vision is its public and professional presence, which is achieved through its online presence, networking events, professional development workshops and its partnership building.

RAID’s website is the central location for all stories, jobs, opportunities and events. RAID’s membership continued to grow in 2017-18, reaching 827 in June 2018. Additionally, RAID improved its following across all its social media accounts, including an increase of:

- 53 per cent on [Twitter](#) to 947 followers
- 36 per cent on its [Facebook Group](#) to 686 members.



*It was great to have RAID more involved in our conference scholar activities, peppered through the group here during a ‘speed meet’ session*



In 2017-18, RAID published 23 blogs average of 1,047 hits per blog, including the winners of RAID's [blog competition](#).

RAID networking events provide up-and-coming researchers with an opportunity to connect with their peers, as well as interact with more experienced researchers in an informal setting. In 2017-18, RAID hosted 15 networking events – often linked to Crawford Fund activities – engaging more than 445 people. This is an increase from nine events and 300 people in 2016-17. To reach its growing member-base, RAID relies on its network of 25 regional representatives, and in 2017-18 saw RAID opening two chapters in NSW – in Armidale and Griffith – and in Darwin, Northern Territory.

Enhancing skills is a key priority for RAID. Together with the Crawford Fund, RAID hosted a professional development [workshop](#) in June 2018 in Brisbane to address the gap in Australian leadership training for agricultural researchers. The Fund facilitated the workshop, based on our Master Class in Research Leadership and Management, with 22 participants from different States and career stages attending. Further workshops are planned in the years ahead.

## Unique learning, networking and mentoring

Our conference scholarships have become an integral part of our 2017 Annual Conference. In 2017-18, we supported 48 students from around 20 different universities in every State and Territory to attend the conference and our specially designed scholar activities. The scholars are listed on our [website](#).

Our committees funded 24 of the students, and the remainder were supported by 13 universities and institutions, as well as through conference delegate donations. RAID actively helped run the two half days of activities for the scholars, and each scholar was provided with a personal mentor from the conference delegates list.

It was a real pleasure to share the scholars' [full set of reflections](#) on their conference experience. Like our former conference scholars, these reflections confirm this event and scholar activities as a unique learning, networking and mentoring opportunity.



*The Fund's board, coordinators and staff are all proud of our conference scholar program – here together at the 2017 conference*

## Invaluable on-the-ground experience

Each of our committees supported our 14 2017 International Agricultural Student Award recipients, who represented every State and Territory, as well as nine different universities, and ACIAR. The students travelled to countries including Vietnam, Honduras, Timor-Leste, Tanzania, Cambodia, Solomon Islands, Vanuatu, Malaysia and the Philippines. They researched commodities as diverse as beef cattle, spiny lobsters, cassava, fisheries, sweet potato, mango and rice, as well as areas related to biosecurity, integrated cropping systems, media and marketing. We are particularly appreciative of ACIAR and the international agricultural research centres, for allowing these students to work within their projects. We showcased reports by these young and enthusiastic researchers on what were often life-changing experiences for them. In 2018-19, we will continue to grow the reach of these awards.



*Our international agricultural student awards provided 14 young researchers with overseas experience including Luisa Olmo, here in a Cambodian lab...*



*... and Jessica Fearnley with farmers in Pailin Province*

## Mentoring and volunteering go hand in hand

Our mentoring program matches experienced Australian mentors and volunteers with overseas partners working together on agricultural projects. During 2017-18, the Crawford Fund announced we would extend our existing long-term mentoring program in Laos with new programs in Cambodia, led by mentor Dr Peter Batt, and in Vietnam, led by Dr Chris Beadle. Their work will commence in earnest in 2018-19.

In 2017-18, our Laos program, which commenced in 2009, continued its successful engagement with Lao partners. Through DFAT's Australian Volunteer program, we involved three volunteers, Brendan Bangma, Sarah Hain and Nick Pain, along with our lead mentor, Professor Lester Burgess, and mentors and trainers Dr Madaline Healey, Professor Deirdre Lemerle and Dr Kylie Ireland, to work closely with our Lao partners, holding workshops for farmers on using pesticides safely, and identifying and treating pests and diseases. With support from the Crawford Fund and an ACIAR forestry project, they also built a plant shade house, and provided a training visit to Australia for a key Lao partner, Ms Seng Phantavong. The team also successfully applied to DFAT's Australia-ASEAN Council (AAC) for funding towards the residential farmer workshops in Savannakhet. The Fund's journalist visit to the workshops was reported earlier (see page 14). In 2018-19, we will continue this central component of our mentoring activities.



*Our mentoring program in Laos engaged Australian volunteers and Laos partners in a number of residential farmer workshops - here identifying weeds*

# Our special projects

The Crawford Fund had the following diverse range of special projects continue through the year and we extend our special thanks to all those involved.



*Farmers check drill seeders in Savannakhet during Dr Leigh Vial's return visit to assess the impact of our drill seeder project*

## Chronicling Sir John

The Crawford Fund is pleased to continue as a research partner in the ARC Linkage project to develop a biography on Sir John Crawford and the shaping of Australian government policy and nationhood. The project team is led by Professor Nicholas Brown, Head of the School of History at the Australian National University, with Associate Professor Frank Bongiorno, who welcomed assistance this year from the Fund's former CEO, Dr Denis Blight, who worked with Sir John. It is expected that we will be launching the biography next financial year.

## Seeders having impact

Dr Leigh Vial returned to Savannakhet, Laos in April 2018 to re-visit the communities and farming families who received the 10 crowdfunded drill seeders that were supplied in early 2017 as a result of our partnership. These are the first seeders in lowland Lao PDR that can seed multiple crops; seed a range of soil types; seed very moist soil; meter and place fertiliser with the seed; change the seed and fertiliser rate, and seed no-till if desired.

Dr Vial met with staff from the Provincial Agriculture and Forestry Office and farmers who have been using the drill seeders, over the past year. He assessed the progress and impacts of the drill seeders and provided further training and distribution of upgraded attachments.

On his return, he reported to all the funders for this project that there is no doubt that we have aided the innovation process in rural Savannakhet, Lao PDR, with the full effects to be known over time.

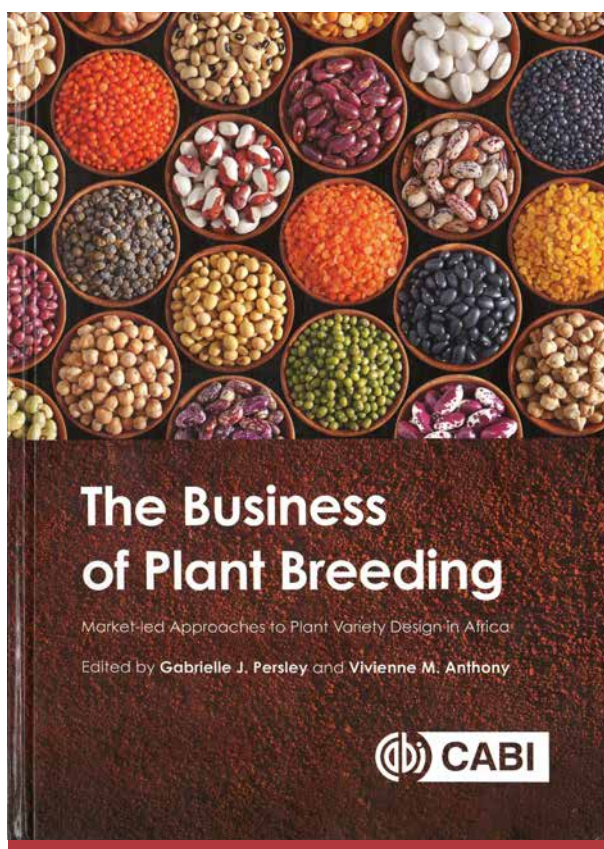


## Farmers to drive plant breeding

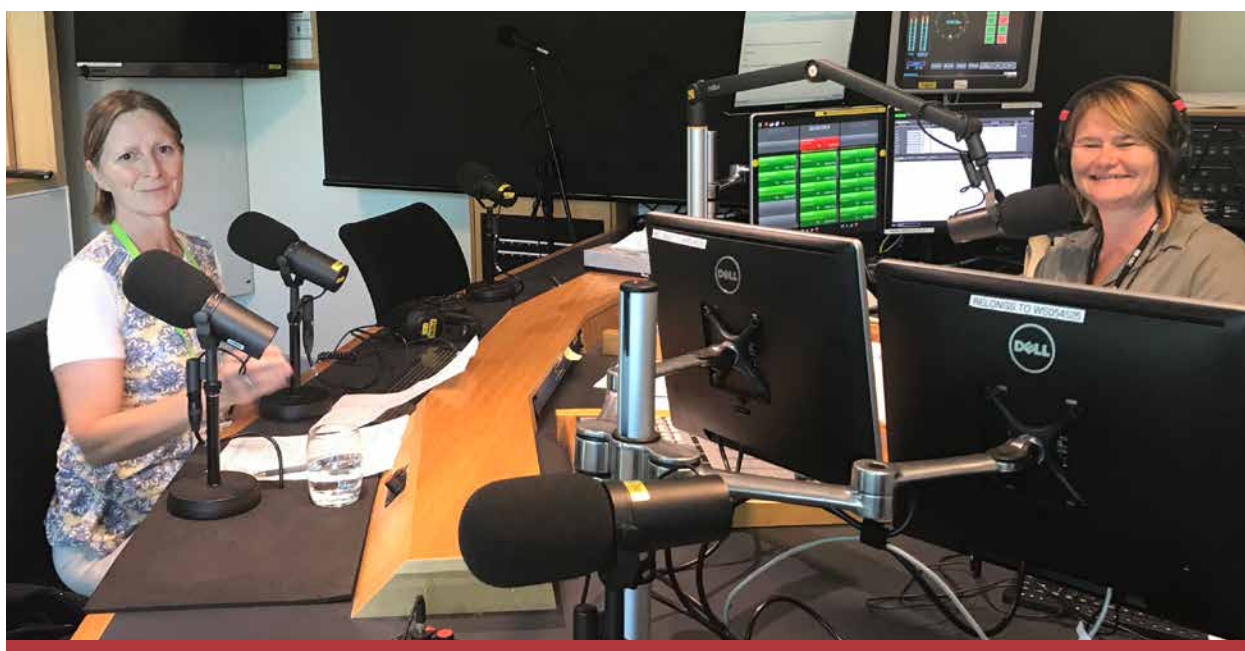
Managed by the University of Queensland, the alliance between the Australian Centre for International Agricultural Research, the Crawford Fund and the Syngenta Foundation for Sustainable Agriculture produced a book that was launched in November 2017. An ongoing resource from the alliance, *The Business of Plant Breeding: Market-led Approaches to New Variety Design in Africa* followed an in-depth investigation into how to better match new plant varieties to farmer and consumer demand.

Leading African plant breeders wrote the book, together with Dr Gabrielle Persley, research director at the Crawford Fund, and Dr Vivienne Anthony from SFSA, as a resource for professionals in plant breeding and related disciplines, and as an aid to boosting farmers' productivity and profitability.

In addition to the book, the alliance's study has also led to other projects, including the development of a training module, available for educators in plant breeding, a workshop in Australia for young professionals, run by the authors, and a symposium held on market driven breeding of fruits and vegetables in Australia, Sub-Saharan Africa and South-East Asia.



*The resource book on how to better engage farmers in plant breeding is available from CABI.*



*It was great to get media attention for the work of the alliance between the Fund, ACIAR and the SFSA, including Dr Viv Anthony's interview on ABC Country Hour*

# Focusing on the individual for impact

Since 1987, around 12,500 participants from 54 countries have completed our Master Classes and training programs. A map of these locations and a full list of our 2017–18 training activities are available on our website. The following section provides some highlights of our Master Class program and from our State and Territory committee reports.

At the end of this section is a map showing the countries that have been included in training activities, followed by a table of our 2017–2018 master classes and training and more detail on each. This includes this year's student awards (explained on "Mentoring and volunteering go hand in hand" on [page 20](#)). We particularly wish to thank the many Australians who lead the training that we supported, as listed, and the many partners in-country who assist with the training, or with funding, venues or participants. We have also indicated where there is some connection from our training to larger ACIAR or international centres' work.

## Master Classes focus on improved management and biosecurity

We supported three master classes during the year.

Dr Michael Mackay, Associate Professor at the Queensland Alliance for Agriculture and Food Innovation (QAAFI) at the University of Queensland, organised and led another well supported Genebank Operations and Advanced Learning (GOAL) in Kuala Lumpur, Malaysia in September 2017. Now in its third year, the 2017 GOAL Master Class for genebank managers and staff had the primary objectives to develop Quality Management Systems; introduce options to manage risk, infrastructure and equipment, and enhance monitoring and evaluation within genebanks. The Crawford Fund partnered with the Crop Trust and the Malaysian Agricultural Research and Development Institute (MARDI) to deliver the course for 28 participants from 13 countries from around the Asia-Pacific region.

Like our two previous GOAL Master Classes, the 2017 class was met with an extremely positive response from participants and we look forward to continuing to support this initiative.



*GOAL Master Class participants focus on their responses to a working group assignment – 27 attended from 13 countries to learn more about genebank management*



A little over a month later, the Crawford Fund returned to Malaysia for the second Agricultural Research Leadership and Management Master Class delivered at the WorldFish Center. This class was supported by the Asia-Pacific Association of Agricultural Research Institutes (APAARI) and ACIAR. The program focused on developing skill sets required to successfully lead extension and research and development programs using the latest thinking and best practice.

During 2017 we broadened our reach, with representatives from the Pacific in a class of 23 participants from Africa, South and South-East Asia, Australia and the Middle East. For many, this Master Class provided their first management training opportunity within a group with a diverse range of experience and cultural backgrounds in an experiential program.

At the end of the class, the participant's evaluations showed that the class well received, and that it provided an opportunity to develop a self-directed ongoing learning program to enhance their management and leadership capacity. With alumni now spread from Mali to Mexico, there is a strong community of practice starting to evolve allowing people to share experiences. We look forward to expanding this network with future classes.

Our third Master Class aimed to help address biosecurity challenges faced in Indonesia. Twenty-six participants from across the Indonesian archipelago came together in January 2018 in Denpasar, Bali, for our Master Class in Plant Biosecurity, which was co-funded by The Crawford Fund and the Plant Biosecurity Cooperative Research Centre (PBCRC).

The Master Class reflects the commitment of the Crawford Fund to promote awareness of the national, regional and global challenges of biosecurity and to build capacity to meet biosecurity needs.

The Master Class program provided 11 days of intensive training from Indonesian, Malaysian and Australian experts in aspects of plant biosecurity such as: risk assessment, diagnostics, capacity building, new technology including drone surveillance, the 'Pestpoint' and 'Plantwise' applications, and remote microscope technology.

We are grateful to have been hosted by the University Mahasaraswati Denpasar, Bali (UNMAS) with additional in-kind resources from more than 30 additional Indonesian participating organisations.



*Participants pose with facilitators for a group photo at our Agricultural Research Leadership and Management Master Class*



## Our State and Territory committees

This section outlines a snapshot of some of the work supported by our State and Territory committees, with a particular focus on their work with the next generation of researchers, engaging with partners for training in developing countries across a diverse range of disciplines and some committees also held public events, which are reported in the public awareness section of this report.

### Queensland Committee

The Queensland Committee was a pioneer in our International Agricultural Student Awards, which enable university students to gain experience in international agricultural research. This year the committee reviewed the first four years of their support.

To date, 23 students from six Queensland universities have received their awards, comprising eight honours bursary awards, and 15 post-graduate research training awards, collectively worth \$80,000. A feature of the awards has been the different ways that students have tailored the awards to their needs, addressing research topics that are relevant to the

developing countries, but also added value to the students' university studies.

Topics have covered a wide range of industries and cross-cutting issues. Fifteen awardees have been young women. Thirteen awards have been linked with ACIAR projects, with the remainder linking with CGIAR centres, NGOs, national research agencies and private companies.

There were four recipients of our Student Awards this year, who also attended the 2017 Annual Conference. The award recipients all reported to us on their experiences, which we highlighted through our social media channels. They were:

- Sweet potatoes and fire ants in the Solomon Islands – John Fasi, University of Queensland (UQ)
- Ceremonial cattle markets and their role for small holders in Vanuatu – Fynn de Daunton, UQ
- Media portrayal of fisheries in the Pacific region – Sarah Sutcliffe, James Cook University
- Vegetable cropping and food security in Fiji – Lydia O'Meara, Central Queensland University (CQU).



*Student awards aren't all hard work: Fynn de Daunton gets involved in the preparations for a wedding during her travel to research cattle markets in Vanuatu*

The Committee also supported three International Engagement Awards. These awards support Queensland scientists who are collaborating with colleagues in our near-region on issues relevant to the Queensland agricultural industry, and included training for:

- nine academic staff in the Faculty of Agriculture at the University of Papua, Indonesia, led by Professor Rob Cramb, UQ
- two ACIAR project team members from Myanmar on the importance of cattle diets in animal production, led by Professor Dennis Poppi, UQ
- an ACIAR project team member on the options for reducing calf mortality in beef cattle systems, led by Dr Geoffry Fordyce, QAAFI.

As reported earlier, the Queensland Committee also supported the attendance of seven young scholars at the TropAg2017 Conference, and a successful forum and reception was held in Parliament House.

## ACT Committee

Our ACT committee farewelled three members and welcomed the addition of a RAID representative. Our sincere thanks go to Professor John Lovett, Dr Joanne Daly and Dr Geoff Baker for their years on the committee. They have been replaced by CSIRO's Dr Lyn Hinds, Dr Kathy Dibley and Jennifer Kelly. We also welcomed David Gale from Plant

Health Australia and a former conference scholar, who is joining as the RAID representative.

One of our activities during 2017-18 was to bring Linda Susilowati, newly appointed Liaison Officer of the Indonesian Biosecurity Foundation (IBF) project to Australia for two weeks in September. During her visit she met with key Australasian biosecurity scientists at the Science Protecting Plant Health Conference in Brisbane, followed by meetings with plant health and quarantine experts in Brisbane, Canberra and Melbourne. Discussions mainly centred on the important new Bilateral Plant Biosecurity Initiative (BPBI) between Indonesia and Australia.

Upon returning to Indonesia, Ms Susilowati has been able to assume a higher profile, helping with the official launch of IBF, the national biosecurity body, and is now on the executive board. In November 2017, she assisted IBF and the BPBI to hold a congress where potential collaborations were identified. This was followed by involvement in the Crawford Fund Master Class on Plant Biosecurity held at Denpasar ([see page 24](#)).

It is clear that Ms Susilowati gained important knowledge, contacts and confidence from her training in Australia. She reported, 'the training undeniably inspired me to delve deeper into biosecurity issues in Indonesia ... and provided me with insight regarding where to look to be impactful in society through biosecurity'.



*A field trip to the botanical gardens in Bedugal was part of our Plant Biosecurity Master Class in Denpasar*



*Linda Susilowati from the Indonesian Biosecurity Foundation during her biosecurity training in Canberra*



The Committee also funded Emily Lamberton – a graduate research officer at ACIAR and a member of RAID – to experience the International Rice Research Institute Rice (IRRI) Production [course](#). As part of the training, participants had the opportunity to also work with farmers on several occasions. ‘It created a fantastic opportunity to learn first-hand the struggles and barriers experienced by farmers and the factors that influence on-farm decision making,’ said Emily.

## NSW Committee

The NSW Committee negotiated a service agreement with the NSW Department of Primary Industries (DPI) in 2017-18 to strengthen ties and identify mutually agreeable projects on which to work together. This means that, in the future, current and former research staff from the department will have a mentoring role for younger departmental staff and work on projects together. Young DPI scientists will be introduced to RAID, and linked with our Master Classes where possible, and students receiving a Crawford Fund student award may be provided with an internship with the department. Further, these opportunities will enable our trainees to be better-placed to compete for positions within DPI. The committee is pleased with this closer relationship and is optimistic about the benefits for both parties.

As part of the Fund’s NextGen activities, there were four recipients of the International Agricultural Student Awards, and one scholarship to the IRRI rice production course in the Philippines.

The student award recipients were Luisa Olmo, who travelled to Cambodia for study on Reproductive pathogens in cattle and buffalo; Katherine Ashley, also in Cambodia on village-based livestock biosecurity; [Natalie Ratanawongprasat](#) investigated community poultry vaccinators in Tanzania; and [Annie Warren](#) who examined best practice cassava production in north-west Cambodia.

Ms [Shiwangi Rao](#) was sponsored to attend the IRRI Rice Production course in the Philippines and said upon her return, ‘It was a wonderful opportunity to learn more about the various rice varieties and their production in South-East Asia, to meet other emerging scientists in this field and pick up some new skills that I can put into practice in my own research. I learnt a lot about new innovations in rice research, such as production of golden rice’.

The NSW Committee also actively supports the mentoring activities of Professors Lester Burgess and Deirdre Lemerle, ([see pages 14 and 20](#)) and agreed with the Northern Territory committee to co-fund future mentoring in Timor-Leste for Dr Robyn Alders.



*Shiwangi Rao enjoyed her time at the IRRI rice production course. Here she is pictured with two local rice-growers*



## South Australian Committee

The committee confirmed its priorities with support for training and the next generation. In November a forum in Adelaide (see page 7) provided an opportunity to highlight work by the Fund and ACIAR with SA institutions.

Two scholars from the 'next generation' were supported to attend the 2017 Annual Conference and Scholars' activities, and the committee also funded its first International Agricultural Student award for a PhD student to work in Nepal developing energy production from biogas. A member of RAID is now on the SA committee, which provides a better link for young scientists with the Fund.

A training highlight was support for CSIRO training in Myanmar for 30 local female farmers and extension staff on how to use chemicals safely. Trainees were selected from a group of women who would benefit most from the training and are potentially exposed to pesticides.

In 2017-18 the committee also supported the development of a gaming technique to engage local farmers in exploring the benefit of adding a forage crop to the annual crop cycle in Laos, and trained local extension staff in

its use. This was associated with an ACIAR project to increase cattle production and the viability of local farms.

Two Australian scientists with extensive experience in selection of rhizobium were also supported to train scientists in Myanmar in laboratory techniques so they can adopt the technology to select strains and multiply improved strains.

## Tasmanian Committee

The committee-supported training this year included a study tour of sustainable forest management practices by Pacific Island foresters. Led by Graham Wilkinson, a group of 16 foresters from Tonga, Fiji, Niue, Papua New Guinea, the Solomon Islands and Vanuatu studied forest management and research for multiple use, including the conservation of non-wood values, in Tasmania.

Professor Caroline Mohammed was also supported to run a workshop for 45 participants from South-East Asia and Fiji, training them in the development and application of biological control technologies for insect pests and fungal diseases in tropical tree plantations. Speakers explored the myths and realities of biological control, the regulatory framework required for biocontrol,



*In Myanmar, local female farmers learn about farm safety when using pesticides, in a project funded by the SA committee*

and how to critically evaluate the success or failure in hardwood plantations.

The committee supported a mentoring visit to Vietnam for the Acacia tree improvement program run by Dr Chris Harwood, CSIRO, and Professor Rod Griffin, both of whom have been working in Vietnam on ACIAR projects for around 20 years. After inspecting field trials with local staff, a two-day workshop was held. Jane Harbard, an expert in flow cytometry, assisted with training in the use of equipment in identifying polyploids as part of the breeding work.

In addition to support for conference scholarships, the committee provided two International Agricultural Student Awards. Joanna Talbot and Olivia Woodiwiss have project work that is linked with the ACIAR project on intensification of beef cattle production in upland cropping systems in Vietnam. Joanna completed a cost-benefit analysis of production systems, including more intensive feeding. Olivia's cost benefit analysis investigated options to add value to meat by drying or vacuum packing, as the farms studied are in a remote area with long distances to the larger urban markets.



*The study tour on forest management and research for 16 foresters from the Pacific included a forest field trip*

## Northern Territory Committee

The Northern Territory Committee worked with the NSW Committee to set the ground work in place for a new mentoring relationship between the Timor-Leste Ministry of Agriculture and Fisheries and Dr Robyn Alders.

The Crawford Fund held its first forum in the Northern Territory ([see page 8](#)). As a result of the forum, relationships with the Northern Territory Department of Primary Industry were tightened, a departmental staff member was nominated to attend the Research Leadership and Management Master Class in Penang, and a staff member was sponsored by the Northern Territory Department of Primary Industry to attend the 2018 Crawford Fund Annual Conference.

The Northern Territory supported two travel award recipients for 2017–18. Kimberley Hunnam travelled to the WorldFish Center in Malaysia to extend her knowledge in fisheries management and social research. The second recipient, Maddison Clonan, spent time on an ACIAR mango project in Cambodia. Both recipients also attended the 2017 Annual Crawford Fund Conference and joined in the scholars' program, which they reported to be very useful. They are now also active in RAID, which was launched at the Northern Territory forum.



*Maddison Clonan used her student award to travel to Cambodia to investigate mango growing practices*



## Victorian Committee

The committee is grateful for the continued support from the Victorian Government and the organisations have a close working relationship. Victoria had 10 scholars at the 2017 Annual Conference and scholar activities, and all of them reported back positively and enthusiastically. The committee, the Gardiner Foundation and the scholars' universities were sponsors.

In December 2017, the committee supported Beyond Subsistence to run its 4<sup>th</sup> African Master TreeGrower Course for 61 people. The training was designed to bring about long-term, sustainable improvements in farm productivity, nutrition, housing, community wealth and the environment.

The committee also supported Jimmy Frans Wanma, researcher and lecturer at the University of Papua and Gibson Sosanika, researcher from the Papua New Guinea University of Technology, to undertake an eight-day training course with Dr Sally Norton, head of the Australian Grains Genebank, research scientist

Dr Katherine Whitehouse and collection technical officer Kevin Murray. The training program was designed to improve applied knowledge and experience in the practicalities of preserving seed into a long-term genebank.

The committee supported Mr Nima Norbu from Bhutan to undertake training in the nutrient needs of high producing dairy cows. Mr Norbu said that the experience he had gained at Ellinbank Dairy Research Centre and at La Trobe University will help him improve dairy husbandry practices in Bhutan and commented that 'This knowledge will assist me to develop nutritional strategies suitable for application in the field. The opportunity for collaboration has been invaluable'.

Support was also provided for Dr Ratna Gurung to undertake three weeks of training in the advanced detection of animal and human zoonotic viruses, including avian influenza and rabies, and in enhancing molecular based diagnostics used for disease control in Bhutan.



*Collection and preservation of crop wild relatives, such as wild sorghum, was the focus of the training with Jimmy Frans Wanma and Gibson Sosanika*



## Western Australian Committee

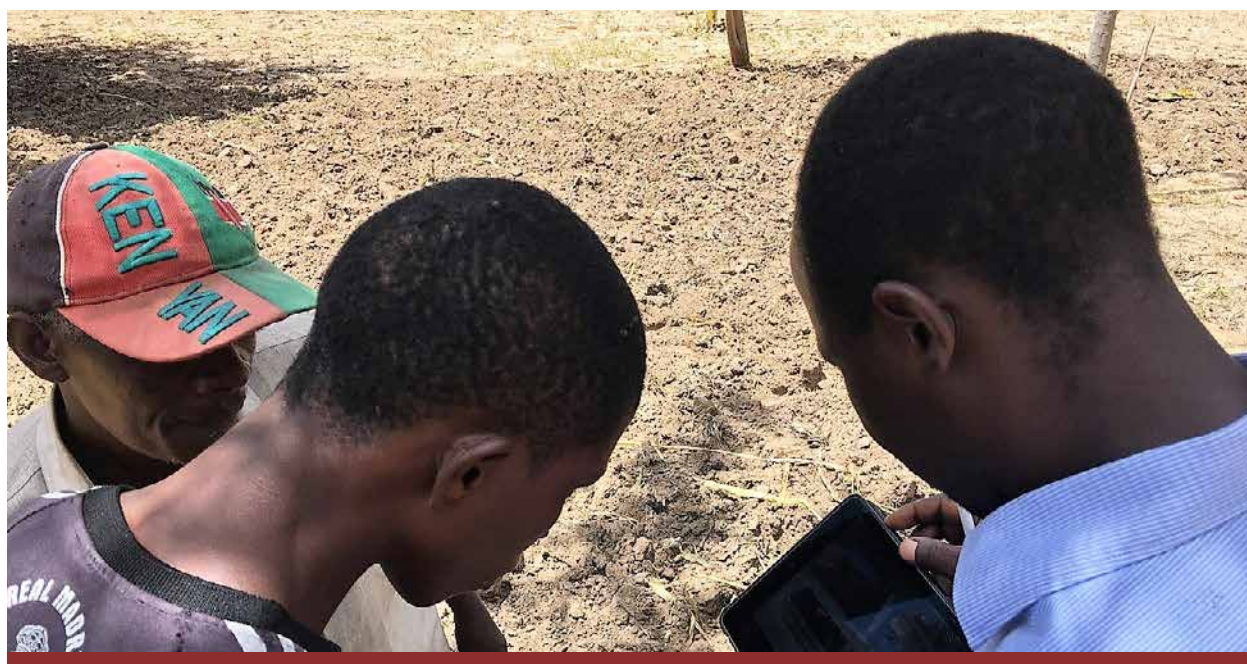
There were many changes to the Western Australia committee this year. We are extremely grateful for Dr Terry Enright's 10 years dedication to the Crawford Fund, as a board member and Committee Chair. Terry announced that he would complete his term as Chair of the Western Australian Committee in July and it was announced that Alex Campbell, farmer and past president of the Western Australian Farmers' Federation, and member of the Federal Government's Land Management Taskforce, will take over this role. Thanks also to Dr James Ridsdill-Smith, who retired from the role of coordinator. The committee welcomed Em Professor Lynette Abbott to this role. Four members of the committee also completed their terms including Dr Jen McComb, Dr David Lindsay, Dr Mike Ewing and Dr Juliann Lloyd Smith. The committee celebrated their service and thanked them at a dinner in July 2017. Dr Hayley Norman, CSIRO and Dr Sarita Bennett, Curtin University, were also appointed to the committee at the same time.

The committee supported two training projects in Africa. Berhanu Fenta, a plant breeder from Ethiopia, was involved in training coordinated by Dr Wallace Cowling from University of Western Australia (UWA). He attended an

international three-day workshop in Mauritius to evaluate new crop breeding methods arising from animal breeding. This approach can help sustainable outcomes from crop breeding in Africa and elsewhere. In the second training project, Dr Laura Boykin University of Western Australia was supported to continue her efforts to improve cassava production in Africa and travelled to Kenya to provide training on identifying whitefly vectors and the viruses they transmit in cassava using a novel bioinformatics approach. New pocket DNA synthesisers are being trialled to enable quick responses from farmers, which results in up to 800 per cent yield increase. 'We aim to impact 10 million farmers in the next six years', Dr Boykin said of her ongoing research.

There were three conference scholarships awarded this year to Sarah Hyde, Ana Mareno and Bob Du, who attended the 2017 Annual Conference and scholars' program.

Christian Berger, an honours student in Geographical Science at the University of Western Australia, was the recipient of an International Agricultural Student Award. Christian interviewed young farmers in Timor-Leste about their opportunities and challenges in farming and reported that his experience in Timor-Leste exceeded his expectations.



*Farmers inspect results during the training on identifying whitefly vectors in Kenya*

## Crawford Fund Master Class and Training Activities 2017-18

Since 1987, around 12,500 participants from 54 countries have completed our Master Classes and training programs. This map shows the locations of our training activities and the following pages include a table with more detail of all the training we have supported.



## Crawford Fund Training activities 2017-18

STATE/ PROGRAM	TRAINING DESCRIPTION	BUDGET	TRAINING LOCATION	INDIVIDUAL TRAINEE OR NUMBER TRAINED	NOMINATOR	ORGANISATION	ACIAR OR INTERNATIONAL CENTRE LINK
ACT	Training in securing national representation and partnership alliances between Australia and Indonesia concerning plant biosecurity	\$4,790	Indonesia, Australia	Linda Susilowati	John Lovett	Plant Biosecurity CRC	
ACT	"Food Evolution" - Australian premiere screening and Forum	\$2,000	Australia	Over 300 in attendance	Jose Barreros	CSIRO	ACIAR CEO Involved
ACT	IRRI Rice Production Training	\$5,000	Philippines	Emily Lamberton	Tony Fischer	The Crawford Fund	CG Centre
ACT	Inception meeting and workshop for soil management for farm resilience in Pacific Islands	\$2,162	Fiji	Md Abdul Kader	Ben McDonald	CSIRO	
MC	Genebank Operations and Advanced Learning Master Class, with CropTrust	\$45,000	Malaysia	28	Michael Mackay	University of Queensland	CG Centre
MC	Agricultural Leadership and Management Master Class	\$45,000	Malaysia	23	Shaun Coffey	The Crawford Fund	ACIAR & international centres' nominees
MC	Master Class in Biosecurity	\$10,000	Indonesia	26	John Lovett	Plant Biosecurity CRC	IARCA Centre involved
NSW	The socioeconomic benefits for smallholder households from improved livestock health and biosecurity	3,000	Cambodia	Katherine Ashley	Russell Bush	Sydney University	AH/2011/014
NSW	Investigating farmer knowledge and awareness of best practice and alternatives for sustainable cassava production systems in Cambodia	\$2,065	Cambodia	Annie Warren	Frank Leayr	University of New England	ASEM/2013/003



STATE/ PROGRAM	TRAINING DESCRIPTION	BUDGET	TRAINING LOCATION	INDIVIDUAL TRAINEE OR NUMBER TRAINED	NOMINATOR	ORGANISATION	ACIAR OR INTERNATIONAL CENTRE LINK
NSW	Monitoring Newcastle disease community vaccinator performance in Nkuku4U project areas in Tanzania	\$3,000	Tanzania	Natalie Ratanawong-prasat	Robyn Alders	Sydney University	FSC/2012/023
NSW	Plant Pathology DFAT grant	\$24,255	Laos	48	Kylie Ireland	CSIRO	
NSW	IRRI Rice Production	\$5,000	Philippines	Shiwangni Rao	Deirdre Lemerle	CSU	CG Centre
NSW	Seroprevalence and preliminary risk factor study of reproductive pathogens in smallholder cattle and buffalo in Cambodia	\$2,782	Cambodia	Luisa Olmo	Russell Bush	Sydney University	AH/2011/014
NSW	Integrated pest management for rice stem borers in Cambodia	\$3,000	Cambodia	Lucinda Dunn	Daniel Tan	Sydney University	AH/2011/014
NT	Resilient small-scale fisheries research program	\$2,300	Malaysia	Kimberley Hunnan	Karen Gibb	CDU	FIS/2017/003
NT	Improving mango crop management in Cambodia, the Philippines and Australia to meet market expectations	\$3,000	Cambodia	Maddison Clonan	Tania Paul		HORT/2012/003
QLD	The media portrayal of fish for Pacific island food security	\$3,500	Solomon Islands	Sarah Sutcliffe	Amy Diedrich	James Cook University	FIS/2012/074
QLD	Living with your enemy: could sweet potato benefit from the little fire ant?	\$3,500	Solomon Islands	John Fasi	Mark Blows	School of Biological Sciences University of Queensland	HORT/2010/065

STATE/ PROGRAM	TRAINING DESCRIPTION	BUDGET	TRAINING LOCATION	INDIVIDUAL TRAINEE OR NUMBER TRAINED	NOMINATOR	ORGANISATION	ACIAR OR INTERNATIONAL CENTRE LINK
QLD	The ceremonial market for cattle in Vanuatu and implications for small-holder productivity and marketing	\$3,500	Vanuatu	Fynn De Daunton	Scott Waldron	University of Queensland	LPS/2014/037
QLD	Food Security in Pacific Island Farming Communities	\$3,500	Fiji, Tonga	Lydia O'Meara	Grant Stanley	Central Queensland University	HORT/2014/080
QLD	Overseas researchers to TropAg 2017	\$6,000	Australia	7	Bruce Pengelly	The Crawford Fund	Various ACIAR projects' staff
QLD	Establishment, Management and Nutritive Value of Tropical Forages	\$11,700	Australia	Lwin Naing Oo	Dennis Poppi	University of Queensland	AH/2016/32 AH/2011/054
QLD	Practical Strategies to Reduce Calf Wastage in Northern Herds	\$12,000	Australia	Dr Dahlanuuddin	Geoffry Fordyce	University of Queensland	LPS 2014 038
QLD	Building Capacity of Academic Staff in the Faculty of Agriculture at the University of Papua, Indonesia	\$11,995	Australia	9	Rob Cramb	University of Queensland	ACIAR project team
SA	Safe Use of Pesticides: Empowering women Specialists and Farm Workers of Myanmar	\$10,550	Myanmar	30	Rai Kookana	CSIRO Land and Water, Waite Campus	LWR/2014/075
SA	Gaming as a Socioeconomic Research Tool for Lao Agricultural Scientists	\$12,000	Vietnam	18	Joshua Philp	University of Adelaide	SMCN/2012/075 ASEM/2014/052
TAS	Intensification of beef cattle production in upland cropping systems in northwest Vietnam	\$2,000	Vietnam	Joanna Talbot	Stephen Ives	UTAS	LPS-2015-037

STATE/ PROGRAM	TRAINING DESCRIPTION	BUDGET	TRAINING LOCATION	INDIVIDUAL TRAINEE OR NUMBER TRAINED	NOMINATOR	ORGANISATION	ACIAR OR INTERNATIONAL CENTRE LINK
TAS	Intensification of beef cattle production in upland cropping systems in northwest Vietnam	\$2,000	Vietnam	Olivia Woodiwiss	Stephen Ives	UTAS	LPS-2015-037
TAS	Training in the Development and Application of Biological Control Technologies for Insect Pests and Fungal Diseases in Tropical Tree Plantations	\$15,000	Indonesia	45	Caroline Mohammed	University of Tasmania	FST 2014 068
TAS	Acacia tree improvement program of VAFS mentoring program	\$4,000	Vietnam	Nghiem Quyen Chi et al	Chris Harwood	CSIRO	FST-2008-007 and FST-2014-068
TAS	Study Tour of Sustainable Forest Management Practices	\$9,625	Australia	16	Sairusi Bulai	Land Resources Division, Pacific Community (SPC)	FST/2009/062
VIC	Capacity Building for Intercropping legumes in Vietnam and Myanmar - Agronomy and soil health, legumes and their rhizobia, delivery of rhizobia and mycorrhiza and quality control	\$12,931	Vietnam	17	Lambert Brau	Deakin University	
VIC	Development of knowledge on the nutrient needs of high producing dairy cows	\$9,455	Bhutan	Nima Norbu	Markendaya Jois	La Trobe University	
VIC	Enhancing molecular based PCR diagnostics for zoonotic disease control in Bhutan	\$5,040	Bhutan	Ratna Gurung	John Allen	AAHL CSIRO	



STATE/ PROGRAM	TRAINING DESCRIPTION	BUDGET	TRAINING LOCATION	INDIVIDUAL TRAINEE OR NUMBER TRAINED	NOMINATOR	ORGANISATION	ACIAR OR INTERNATIONAL CENTRE LINK
VIC	Advanced technologies in wood processing and manufacturing of high quality timber products	\$10,320	PNG	8	Barbara Ozarska	University of Melbourne	FST-2012-092
VIC	Australian capacity building in ex-situ genebank principles and practices	\$5,740	Australia	2	Sally Norton	Agriculture Victoria Research Division	
VIC	African Master Treegrower	\$9,705	Uganda	61	Jon Lambert	Beyond Subsistence	
WA	Novel diagnostic methods for identifying vectors and viruses in farmers' fields	\$8,274	Kenya	20	Laura Boykin	University of Western Australia	
WA	One Health Approach to Sustainable Biosecurity in Large Ruminant Systems in Myanmar	\$9,860	Myanmar	7	Mieghan Bruce	Murdoch University	AH/2011/054
WA	Fishery Improvement project for the Honduran spiny lobster fishery	\$2,950	Honduras	Kendra Travaille	Julian Clifton	University of Western Australia	
WA	United Nations Development Program	\$3,000	Timor Leste	Laurelle Neugebauer	Christopher Ryan	Curtin University	
WA	New plant breeding methods for sustainable use of genetic resources and security of food production	\$5,000	Ethiopia	Berhanu Fenta	Wallace Cowling	University of Western Australia	

# The Crawford Fund

The Crawford Fund is about people. In particular we want to thank the ‘too many to list’ developing country scientists, policy-makers and agriculturalists who join our training programs and the Australian scientists, planners and officials who give of their time, freely, to contribute to such training.

In this section we will list our unpaid Board of Directors of highly experienced retired politicians, public servants, tertiary administrators and farmers, who ensure the Fund has the highest standards of governance; our State and Territory Coordinators who manage the Committees of volunteers who help form the partnerships between trainers and trainees; and our small staff team, all but one of whom operate on a part-time basis.

We take this space to thank them all in their various roles in ensuring the success of the Fund and our work.

## Board of Directors

- **The Hon John Anderson AO**  
Chair of the Crawford Fund  
Former Deputy Prime Minister and leader of the National Party
- **Professor Kaye Basford FTSE, FAICD FIS, FAIAST, FQA**  
Head, School of Biomedical Sciences; and former President, Academic Board, The University of Queensland
- **Dr Colin Chartres FAICD**  
Chief Executive Officer
- **Dr Terry Enright**  
Chairman of Australian Export Grains Innovation Centre and Former Chairman of the Grains Research and Development Corporation
- **Emeritus Professor Helen Garnett PSM FTSE FAICD**  
Chair of the Australian Biosecurity Intelligence Network
- **Dr Tony Gregson AM FTSE**  
Chair of the Victorian Committee  
Former Chairman of Plant Health Australia and former Chair of the Board of Trustees of Bioversity International
- **The Hon Bob McMullan**  
Visiting Fellow, Crawford School of Public Policy
- **Dr John Radcliffe AM FTSE**  
Chair of the South Australian Committee; Former Deputy Chief Executive, CSIRO, and Director-General of Agriculture, South Australia
- **Professor Tim Reeves**  
Chair of the ATSE Agriculture Forum Leadership Group
- **Dr Richard Sheldrake AM**  
Chair of NSW State Committee
- **The Hon Margaret Reid AO**  
Former President of the Australian Council for International Development
- **Mr Mike Taylor AO FTSE**  
Former Secretary, Department of Agriculture, Fisheries & Forestry
- **Mr Richard Warner**  
Chair of the Crawford Fund’s Tasmania State Committee

## The Crawford Fund State and Territory coordinators

### **ACT Coordinator**

Dr Tony Fischer AM FTSE FAIA – Honorary  
Fellow, CSIRO Agriculture and Food

### **NSW Coordinator**

Hon. Associate Professor Helen Scott-Orr  
PSM – Australia's inaugural Inspector-General  
of Biosecurity

### **Northern Territory Coordinator**

Tania Paul  
Senior Lecturer, School of Science and Primary  
Industries, Charles Darwin University

### **Queensland Coordinator**

Dr Bob Lawn FRSB FTSE FAIAST  
Honorary Fellow, CSIRO Agriculture and Food  
and Adjunct Professor, James Cook University

### **South Australian Coordinator**

Roger Wickes PSM FAIAST  
Consultant

### **Tasmanian Coordinator**

Dr Neville Mendham  
Honorary Research Associate,  
University of Tasmania

### **Victorian Coordinator**

Ted Hayes OAM FAIAST

### **Western Australian Coordinator**

Dr T James Ridsdill-Smith FTSE FAIAST  
Fellow, CSIRO Land and Water

## The Crawford Fund staff

### **Dr Colin Chartres**

Chief Executive Officer

### **Professor Shaun Coffey**

Director Capacity Building

### **Cathy Reade**

Director of Outreach

### **Phil Jackson**

Financial Controller

### **Marchien van Oostende**

Office Manager

### **Sue Faulkner**

RAID and Master Classes Support

### **Larissa Mullot**

Communications Coordinator

### **Dr Gabrielle Persley**

Research Director



We take this space to thank them all in  
their various roles in ensuring the success  
of the Fund and our work.



# Our financial report

The following are our auditor's declaration and report, as well as the full financial statements for the year 2017-2018.



**Auditor's Independence Declaration  
Under Subdivision 60-40 of the Australian Charities and Not-for-profits  
Commission Act 2012 to the Directors of  
Crawford Fund Limited**

I declare that, to the best of my knowledge and belief, during the year ended 30 June 2018 there have been no contraventions of the auditor independence requirements as set out in any applicable code of professional conduct in relation to the audit.

  
**Nexia Duesburys (Audit)**  
Canberra, 15 August 2018

  
**G J Murphy**  
Partner

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## Independent Auditor's Report to the Members of Crawford Fund Limited

### Report on the Audit of the Financial Statements

#### Opinion

We have audited the financial statements of Crawford Fund Limited (the Company), which comprise the statement of financial position as at 30 June 2018, the statement of comprehensive income, statement of changes in equity and statement of cash flows for the year then ended, and notes to the financial statements, including a summary of significant accounting policies, and the directors' declaration.

In our opinion, the accompanying financial statements of the Company are in accordance with the Australian Charities and Not-for-profits Commission Act 2012, including:

- (i) giving a true and fair view of the entity's financial position as at 30 June 2018 and of its financial performance for the year then ended; and
- (ii) complying with Australian Accounting Standards – Reduced Disclosure Requirements and Division 60 of the Australian Charities and Not-for-profits Commission Regulation 2013.

#### Basis for opinion

We conducted our audit in accordance with Australian Auditing Standards. Our responsibilities under those standards are further described in the Auditor's responsibility for the audit of the financial statements section of our report. We are independent of the entity in accordance with the ethical requirements of the Accounting Professional and Ethical Standards Board's APES 110 Code of Ethics for Professional Accountants (the Code) that are relevant to our audit of the financial statements in Australia. We have also fulfilled our other ethical responsibilities in accordance with the Code.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

#### Other information

The directors are responsible for the other information. The other information comprises the information in the Company's directors' report for the year ended 30 June 2018, but does not include the financial statements and the auditor's report thereon.

Our opinion on the financial statements does not cover the other information and we do not express any form of assurance conclusion thereon.

In connection with our audit of the financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the audit or otherwise appears to be materially misstated.

If, based on the work we have performed, we conclude that there is a material misstatement of the other information we are required to report that fact. We have nothing to report in this regard.

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#### **Directors' responsibility for the financial statements**

The directors of the Company are responsible for the preparation of the financial statements that give a true and fair view in accordance with Australian Accounting Standards – Reduced Disclosure Requirements and the Australian Charities and Not-for-profits Commission Act 2012 and for such internal control as the directors determine is necessary to enable the preparation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, the directors are responsible for assessing the entity's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the directors either intend to liquidate the entity or to cease operations, or have no realistic alternative but to do so.

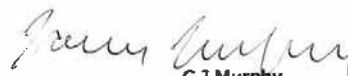
#### **Auditor's responsibility for the audit of the financial statements**

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with the Australian Auditing Standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of the financial statements.

A further description of our responsibilities for the audit of the financial statements is located at The Australian Auditing and Assurance Standards Board website at: [http://www.auasb.gov.au/auditors\\_responsibilities/ar4.pdf](http://www.auasb.gov.au/auditors_responsibilities/ar4.pdf). This description forms part of our auditor's report.



**Nexia Duesburys (Audit)**  
Canberra, 15 August 2018



**G J Murphy**  
Partner



**Crawford Fund Limited**  
**ABN: 86 141 714 490**

**Financial Statements**

**For the Year Ended 30 June 2018**

## **Crawford Fund Limited**

ABN: 66 141 714 490

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**For the Year Ended 30 June 2018**

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## **Crawford Fund Limited**

ABN: 86 141 714 490

### **Directors' Report**

#### **For the Year Ended 30 June 2018**

The directors present their report on Crawford Fund Limited (the Company) for the financial year ended 30 June 2018.

#### **Directors**

The names of the directors in office at any time during, or since the end of, the year are:

##### **Names**

The Hon John D Anderson AO

Professor Kaye Basford

Dr Colin Chartres

Appointed 9 August 2017

Mr Terrence J Enright

Professor Helen M Garnett PSM

Dr Tony K Gregson AM

The Hon Bob McMullan

Dr John C Radcliffe AM

Professor Timothy Reeves

The Hon Margaret Reid AO

Dr Richard Sheldrake AM

Mr Michael J Taylor AO

Mr Richard Warner

Dr Denis G Blight AO

Resigned 9 August 2017

Directors have been in office since the start of the financial year to the date of this report unless otherwise stated.

#### **Objectives**

The principal objective of the Company is to promote the application of science and technology to the practical purpose of ecologically sustainable agriculture development and the effective management of natural resources, in the developing world and in Australia.

Further objectives of the company are to: make more widely known the benefits that accrue from international agricultural research; encourage greater support for, and participation in this research by Australian governmental and non-governmental organisations and in particular the industrial and scientific communities of Australia; work together and in conjunction with the community in the developing countries; undertake cooperative activities and develop relationships with existing organisations to provide support for the communities; and do such other things as are incidental or ancillary to the attainment of the objects of the Company.

#### **Principal activities**

The principal activities of the Company during the financial year were:

- The conduct of approximately 61 specialist training activities in Australia and developing countries for approximately 350 scientists from Australia and developing countries;
- 3 Master Classes on key topics in international agricultural research with 60 participants in total;
- The Annual Crawford Fund Parliamentary Conference conducted in Parliament House on 7 and 8 August 2017. The Conference, which was attended by approximately 300 people, was titled: Transforming Lives and Livelihoods: the digital Revolution in Agriculture. The event attracted substantial media attention and provided opportunities for additional stakeholder meetings;
- A series of other public awareness activities including events, media interviews and promotions on the contribution and benefits of research to the developing world and Australia. Notable amongst these were journalist visits, which attracted extensive media coverage; media attention for Master Classes and other Crawford Fund training; partnering for media assistance with key agriculture and agronomy conferences; and ad hoc media outreach on food security issues.



## **Crawford Fund Limited**

ABN: 88 141 714 480

### **Directors' Report**

**For the Year Ended 30 June 2018**

#### **Principal activities (continued)**

The Company conducts assessments of the impact of its activities to measure their contributions to the achievement of its objectives. The directors are satisfied that all of its activities are contributing satisfactorily either directly or indirectly to the promotion and application of science and technology to ecologically sustainable agriculture in the developing world and Australia.

No significant changes in the nature of the Company's activity occurred during the financial year.

#### **Members' guarantee**

Crawford Fund Limited is a company limited by guarantee. In the event of, and for the purpose of winding up of the Company, the amount capable of being called up from each member and any person or association who ceased to be a member in the year prior to the winding up, is limited to \$20.

At 30 June 2018 the collective liability of members was \$260 (2017: \$240).

#### **Information on directors**

The Hon John D Anderson	Director
Qualifications	AO
Experience	Former Deputy Prime Minister and Leader of the National Party
Special responsibilities	Chairman
Professor Kaye Basford	Director
Qualifications	FTSE
Experience	Former President, Academic Board and former Head, School of Land, Crop and Food Sciences, The University of Queensland
Special responsibilities	Chair of Queensland Committee, Audit Committee
Dr Colin Chartres	Director
Qualifications	PhD, FAICD
Experience	Former Director-General of WMI
Special responsibilities	Chief Executive Officer
Mr Terrence J Enright	Director
Qualifications	DSc (Hon) University of Western Australia
Experience	Former Chairman of the Grains Research and Development Corporation, Farmer
Special responsibilities	Chair of Western Australia Committee
Professor Helen M Garnett	Director
Qualifications	PSM, FTSE, FAICD
Experience	Chair of the Australian Biosecurity Intelligence Network
Special responsibilities	Chair of Northern Territory Committee, Audit Committee
Dr Tony K Gregson	Director
Qualifications	AM, FRACI, FTSE
Experience	Former Chairman of Plant Health Australia and former Chair of the Board of Trustees of Bioversity International, Farmer
Special responsibilities	Chair of Victoria Committee, Chair Audit Committee

**Crawford Fund Limited**

ABN: 85 141 714 490

**Directors' Report****For the Year Ended 30 June 2018****Information on directors (continued)**

The Hon Bob McMullan	Director
Experience	Former Federal Labor Minister
Dr John C Raddiffe	Director
Qualifications	AM, FTSE
Experience	Former Deputy Chief Executive, CSIRO, and Director-General of Agriculture, South Australia
Special responsibilities	Chair of South Australia Committee
Professor Timothy Reeves	Director
Qualifications	Professor, FTSE
Experience	Chair, Primary Industries Climate Challenges Centre, Chair of the ATSE Agriculture Forum Leadership Group
Special responsibilities	ATSE Representative
The Hon Margaret Reid	Director
Qualifications	AO
Experience	Former President of the Senate and Liberal Whip
Special responsibilities	Chair of ACT Committee
Dr Richard Sheldrake	Director
Qualifications	AM FTSE
Experience	Former Director General of several NSW Government Departments
Special responsibilities	Chair of NSW Committee
Mr Michael J Taylor	Director
Qualifications	AO, FTSE
Experience	Former Permanent Secretary Federal Government Departments and Chair Murray Darling Basin Authority
Mr Richard Warner	Director
Qualifications	Chair and Board member of several commercial agricultural companies
Experience	Chair of Tasmania Committee
Dr Denis G Blight	Director
Qualifications	AO, FRSA
Experience	Former Director-General of CAB International
Special responsibilities	Chief Executive Officer

## Crawford Fund Limited

ABN: 86 141 714 490

### Directors' Report For the Year Ended 30 June 2018

#### Meetings of directors

During the financial year, 2 meetings of directors were held. Attendances by each director during the year were as follows,

	Directors' Meetings	
	Number eligible to attend	Number attended
The Hon John D Anderson AO	2	2
Professor Kaye Bastford	2	2
Dr Colin Chartres	2	2
Dr Terry Enright	2	2
Professor Helen M Garnett PSM	2	1
Dr Tony K Gregson AM	2	2
The Hon Bob McMullan	2	2
Dr John C Radcliffe AM	2	2
Professor Timothy Reeves	2	2
The Hon Margaret Reid AO	2	2
Dr Richard Sheldrake AM	2	2
Mr Mike Taylor AO	2	2
Mr Richard Warner	2	2
Dr Denis G Blight AO	-	-

#### Auditor's independence declaration

The auditor's independence declaration in accordance with Subdivision 60-40 of the Australian Charities and Not-for-profits Commission Act 2012, for the year ended 30 June 2018 has been received and is attached to this report.

Signed in accordance with a resolution of the Board of Directors:

Director: 

Dated: 15/08/2018



**Crawford Fund Limited**

ABN: 88 141 714 480

**Statement of Comprehensive Income  
For the Year Ended 30 June 2018**

	Note	2018 \$	2017 \$
<b>Revenue</b>			
Revenue from government and other grants		1,312,180	1,114,835
Donations and contributions		63,553	89,720
Sponsorships		133,064	123,513
Interest received		43,117	29,779
Gain on fair value measurement of investments		1,164	15,072
Other		179,385	186,375
		<u>1,732,463</u>	<u>1,539,294</u>
<b>Expenses</b>			
Employee benefits expenses		251,557	240,836
Depreciation		5,537	4,803
Rental		22,171	21,764
Program expenses		1,338,644	1,072,033
Other expenses		70,117	92,064
		<u>1,688,026</u>	<u>1,431,520</u>
<b>Surplus/(deficit) before income tax</b>		<b>44,437</b>	<b>107,774</b>
Income tax expense	1(a)	-	-
<b>Surplus/(deficit) for the year</b>		<b>44,437</b>	<b>107,774</b>
<b>Total comprehensive income for the year</b>		<b>44,437</b>	<b>107,774</b>

**Crawford Fund Limited**

ABN: 86 141 714 490

**Statement of Financial Position****As At 30 June 2018**

	Note	2018 \$	2017 \$
<b>ASSETS</b>			
<b>CURRENT ASSETS</b>			
Cash and cash equivalents	2	821,228	763,423
Trade and other receivables	3	40,039	86,031
Other assets	4	98,320	62,346
Other financial assets	5	421,577	398,866
<b>TOTAL CURRENT ASSETS</b>		<b>1,381,164</b>	<b>1,310,666</b>
<b>NON-CURRENT ASSETS</b>			
Plant and equipment	6	13,480	12,174
<b>TOTAL NON-CURRENT ASSETS</b>		<b>13,480</b>	<b>12,174</b>
<b>TOTAL ASSETS</b>		<b>1,394,644</b>	<b>1,322,840</b>
<b>LIABILITIES</b>			
<b>CURRENT LIABILITIES</b>			
Trade and other payables	7	404,305	380,730
Employee entitlements	8	74,034	50,918
<b>TOTAL CURRENT LIABILITIES</b>		<b>478,339</b>	<b>431,648</b>
<b>NON-CURRENT LIABILITIES</b>			
Employee entitlements	8	7,860	26,984
<b>TOTAL NON-CURRENT LIABILITIES</b>		<b>7,860</b>	<b>26,984</b>
<b>TOTAL LIABILITIES</b>		<b>486,199</b>	<b>458,632</b>
<b>NET ASSETS</b>		<b>908,445</b>	<b>864,208</b>
<b>EQUITY</b>			
Reserves		908,445	758,434
Accumulated surplus		-	107,774
<b>TOTAL EQUITY</b>		<b>908,445</b>	<b>864,208</b>

**Crawford Fund Limited**

ABN: 60 141 714 490

**Statement of Changes in Equity  
For the Year Ended 30 June 2018**

2018

	Managed closure reserves	Innovation and investment reserves	Accumulated surplus	Total
	\$	\$	\$	\$
Balance at 1 July 2017	350,002	406,432	107,774	864,208
Total comprehensive income for the year	-	-	44,437	44,437
Transfer to / (from) reserves	-	152,211	(152,211)	-
Balance at 30 June 2018	350,002	558,643	-	908,645

2017

	Managed closure reserves	Innovation and investment reserves	Accumulated surplus	Total
	\$	\$	\$	\$
Balance at 1 July 2016	-	-	756,434	756,434
Total comprehensive income for the year	-	-	107,774	107,774
Transfer to / (from) reserves	350,002	406,432	(756,434)	-
Balance at 30 June 2017	350,002	406,432	107,774	864,208



**Crawford Fund Limited**

ABN: 86 141 714 490

**Statement of Cash Flows  
For the Year Ended 30 June 2018**

	Note	2018 \$	2017 \$
<b>CASH FLOWS FROM OPERATING ACTIVITIES:</b>			
Receipt of grants and other		1,682,480	1,701,658
Interest received		44,672	29,676
Payments to suppliers and employees		(1,640,957)	(1,490,894)
Net cash provided by/(used in) operating activities		<u>86,195</u>	<u>240,440</u>
<b>CASH FLOWS FROM INVESTING ACTIVITIES:</b>			
Payments for plant and equipment		(6,843)	(1,934)
Payment for other financial assets		(21,547)	(11,133)
Net cash provided by/(used in) investing activities		<u>(28,390)</u>	<u>(13,067)</u>
Net increase/(decrease) in cash and cash equivalents held		57,805	227,373
Cash and cash equivalents at beginning of year		<u>783,423</u>	<u>536,050</u>
Cash and cash equivalents at end of financial year	2	<u><u>821,228</u></u>	<u><u>763,423</u></u>

## **Crawford Fund Limited**

ABN: 86 141 714 490

### **Notes to the Financial Statements**

**For the Year Ended 30 June 2018**

#### **1 Summary of Significant Accounting Policies**

##### **Basis of preparation**

Crawford Fund Limited (the Company) is a not-for-profit company limited by guarantee, incorporated in the Australian Capital Territory under the Corporations Act 2001. The financial statements are presented in Australian dollars which is the Company's functional and presentation currency. The amounts presented in the financial statements have been rounded to the nearest dollar. The financial statements cover the Company as an individual entity.

The financial statements are general purpose financial statements that have been prepared in accordance with Australian Accounting Standards - Reduced Disclosure Requirements of the Australian Accounting Standards Board and the Australian Charities and Not-for-profits Commission Act 2012.

A number of new or revised Australian Accounting Standards are effective for the first time in the current financial year. These standards have had no material impact on the entity.

The financial statements have been prepared on an accruals basis and are based on historical costs modified, where applicable, by the measurement at fair value of selected non-current assets, financial assets and financial liabilities.

The following is a summary of the material accounting policies adopted by the Company in the preparation of the financial statements. Unless otherwise stated, the accounting policies adopted are consistent with those of the previous year.

##### **Accounting policies**

###### **(a) Income tax**

No provision for income tax has been raised as the Company is exempt from income tax under Div 50 of the *Income Tax Assessment Act 1997*.

###### **(b) Plant and equipment**

Plant and equipment are measured on the cost basis less depreciation and impairment losses. Cost includes expenditure that is directly attributable to the asset.

The carrying amount of plant and equipment is reviewed at the end of the reporting period by directors to ensure it is not in excess of the recoverable amount from these assets. The recoverable amount is assessed on the basis of the expected net cash flows that will be received from the assets' employment and subsequent disposal. The expected net cash flows have been discounted to their present values in determining recoverable amounts.

An asset's carrying amount is written down immediately to its recoverable amount if the asset's carrying amount is greater than its estimated recoverable amount.

The assets' residual values and useful lives are reviewed, and adjusted if appropriate, at the end of the reporting period.

Gains and losses on disposals are determined by comparing proceeds with the carrying amount. These gains and losses are included in the profit or loss.

## Crawford Fund Limited

ABN: 66 141 714 492

### Notes to the Financial Statements For the Year Ended 30 June 2018

#### 1 Summary of Significant Accounting Policies (continued)

##### (b) Plant and equipment (continued)

###### Depreciation

The depreciable amount of all fixed assets, is depreciated on a diminishing value basis over the asset's useful life to the Company commencing from the time the asset is held ready for use. Leasehold improvements are depreciated over the shorter of either the unexpired period of the lease or the estimated useful lives of the improvements.

The depreciation rates used for each class of depreciable assets are:

Class of fixed asset	Depreciation rate
Plant and equipment	30%

##### (c) Leases

Leases of fixed assets where substantially all the risks and benefits incidental to the ownership of the asset, but not the legal ownership, are transferred to the Company are classified as finance leases.

Finance leases are capitalised by recording an asset and a liability at the lower of the amounts equal to the fair value of the leased property or the present value of the minimum lease payments, including any guaranteed residual values. Lease payments are allocated between the reduction of the lease liability and the lease interest expense for the period.

Leased assets are depreciated on a diminishing value basis over the shorter of their estimated useful lives or the lease term.

Lease payments for operating leases, where substantially all the risks and benefits remain with the lessor, are charged as expenses in the periods in which they are incurred.

Lease incentives under operating leases are recognised as a liability and amortised on a straight-line basis over the life of the lease term.

##### (d) Financial Instruments

###### Recognition

Financial instruments are initially measured at cost on trade date, which includes transaction costs, when the related contractual rights or obligations exist. Subsequent to initial recognition these instruments are measured as set out below.

###### *Financial assets at fair value through profit or loss*

Financial assets are classified at 'fair value through profit or loss' when they are either held for trading for the purpose of short-term profit taking, or when they are designated as such by management. Realised and unrealised gains and losses arising from changes in the fair value of these assets are included in the profit or loss in the period in which they arise.

###### *Loans and receivables*

Loans and receivables are non-derivative financial assets with fixed or determinable payments that are not quoted in an active market and are subsequently measured at amortised cost using the effective interest rate method.



**Crawford Fund Limited**

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**Notes to the Financial Statements**

**For the Year Ended 30 June 2018**

**1 Summary of Significant Accounting Policies (continued)**

**(d) Financial Instruments (continued)**

*Held-to-maturity investments*

Held-to-maturity investments are non-derivative financial assets that have fixed maturities and fixed or determinable payments, and it is the Company's intention to hold these investments to maturity. They are subsequently measured at amortised cost.

*Available-for-sale financial assets*

Available-for-sale financial assets are non-derivative financial assets that are either not suitable to be classified into other categories of financial assets due to their nature, or they are designated as such by management. They are reflected at fair value. Unrealised gains and losses arising from changes in fair value are recognised in other comprehensive income and accumulated in the financial assets reserve.

*Financial liabilities*

Non-derivative financial liabilities are subsequently measured at amortised cost, comprising original debt less principal payments and amortisation.

**Fair value**

Fair value is determined based on current bid prices for all quoted investments. Valuation techniques are applied to determine the fair value for all unlisted securities, including recent arm's length transactions, reference to similar instruments and option pricing models.

**Impairment**

At the end of each reporting period, the Company assesses whether there is objective evidence that a financial asset has been impaired through the occurrence of a loss event. In the case of available-for-sale financial instruments, a significant or prolonged decline in the value of the instrument is considered to indicate that an impairment has arisen. Impairment losses are recognised in the profit or loss.

**(e) Impairment of non-financial assets**

At the end of each reporting period, the Company reviews the carrying values of its tangible and intangible assets to determine whether there is any indication that those assets have been impaired. If such an indication exists, the recoverable amount of the asset, being the higher of the asset's fair value less costs to sell and value in use, is compared to the asset's carrying value. Any excess of the asset's carrying value over its recoverable amount is expensed to the statement of comprehensive income.

Where it is not possible to estimate the recoverable amount of an individual asset, the Company estimates the recoverable amount of the cash-generating unit to which the asset belongs.

**(f) Employee benefits**

Provision is made for the Company's liability for employee benefits arising from services rendered by employees to the end of the reporting period. Employee benefits that are expected to be wholly settled within one year have been measured at the amounts expected to be paid when the liability is settled.

Employee benefits payable later than one year have been measured at the present value of the estimated future cash outflows to be made for those benefits. In calculating the present value of future cash flows in respect of long service leave, the probability of long service leave being taken is based upon historical data.

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**Crawford Fund Limited**

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**Notes to the Financial Statements**

**For the Year Ended 30 June 2018**

**1 Summary of Significant Accounting Policies (continued)**

**(f) Employee benefits (continued)**

Contributions are made to employee superannuation funds and are charged as expenses when incurred.

**(g) Provisions**

Provisions are recognised when the Company has a legal or constructive obligation, as a result of past events, for which it is probable that an outflow of economic benefits will result and that outflow can be reliably measured.

**(h) Cash and cash equivalents**

Cash and cash equivalents include cash on hand, deposits held at call with banks, other short-term highly liquid investments with original maturities of three months or less which are convertible to a known amount of cash and subject to an insignificant risk of change in value, and bank overdrafts. Bank overdrafts are shown within short-term borrowings in current liabilities on the statement of financial position.

**(i) Revenue**

Interest revenue is recognised on a proportional basis taking into account the interest rates applicable to the financial assets. Where interest is earned on grant funds and must be used for the purposes set out in the relevant grant agreement, then the interest is recognised as unexpended funds until such time as the grant conditions have been met.

Grant revenue is recognised in the statement of comprehensive income when the entity obtains control of the grant and it is probable that the economic benefits gained from the grant will flow to the entity and the amount of the grant can be measured reliably.

If conditions are attached to the grant which must be satisfied before the entity is eligible to receive the contribution, the recognition of the grant as revenue is deferred until those conditions are satisfied.

When grant revenue is received whereby the entity incurs an obligation to deliver economic value back to the contributor, this is considered a reciprocal transaction and the grant revenue is recognised in the statement of financial position as a liability until the service has been delivered, otherwise the grant is recognised as income on receipt.

Donations and sponsorships are recognised as revenue when received.

Revenue from the rendering of a service is recognised upon the delivery of the service to the customers.

All revenue is stated net of the amount of goods and services tax (GST).

**(j) Goods and services tax (GST)**

Revenues, expenses and assets are recognised net of the amount of GST, except where the amount of GST incurred is not recoverable from the Australian Taxation Office. In these circumstances the GST is recognised as part of the cost of acquisition of the asset or as part of an item of the expense. Receivables and payables in the statement of financial position are shown inclusive of GST.

Cash flows are presented in the statement of cash flows on a gross basis, except for the GST component of investing and financing activities, which are disclosed as operating cash flows.

**Notes to the Financial Statements**  
**For the Year Ended 30 June 2018**

**1 Summary of Significant Accounting Policies (continued)**

**(k) Comparative figures**

When required by Accounting Standards, comparative figures have been adjusted to conform to changes in presentation for the current financial year.

**Critical accounting estimates and judgments**

The directors evaluate estimates and judgments incorporated into the financial statements based on historical knowledge and best available current information. Estimates assume a reasonable expectation of future events and are based on current trends and economic data, obtained both externally and within the Company.

The directors do not believe that there were any key estimates or key judgments used in the development of the financial statements that give rise to a significant risk of material adjustment in the future.

**2 Cash and Cash Equivalents**

	2018	2017
	\$	\$
Cash on hand	81	198
Cash at bank	321,147	202,478
Short-term deposits (with an original maturity of 3 months or less)	500,000	560,747
	<u>821,228</u>	<u>763,423</u>

**3 Trade and Other Receivables**

	2018	2017
	\$	\$
Trade receivables	27,059	79,405
Other receivables	12,980	6,626
	<u>40,039</u>	<u>86,031</u>

**4 Other Assets**

	2018	2017
	\$	\$
Prepayments	92,198	56,296
Rental bond	6,122	6,050
	<u>98,320</u>	<u>62,346</u>

**Crawford Fund Limited**

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**Notes to the Financial Statements  
For the Year Ended 30 June 2018****5 Other Financial Assets**

	2018	2017
	\$	\$
CURRENT		
Held-to-maturity financial assets	40,000	40,000
Financial assets at fair value through profit and loss	<u>381,577</u>	<u>358,866</u>
	<u>421,577</u>	<u>398,866</u>

Held-to-maturity investments are term deposits with original terms of 6 months with an interest rate of 2.76% at year end.

Financial assets at fair value through profit and loss include investments in fixed interest securities.

**6 Plant and Equipment**

	2018	2017
	\$	\$
Plant and equipment - at cost	61,230	54,387
Accumulated depreciation	<u>(47,750)</u>	<u>(42,213)</u>
	<u>13,480</u>	<u>12,174</u>

**Movements In Carrying Amounts**

Movement in the carrying amounts for each class of plant and equipment between the beginning and the end of the current financial year:

	Plant and equipment	Total
	\$	\$
Opening balance	12,174	12,174
Additions	6,843	6,843
Depreciation	<u>(5,537)</u>	<u>(5,537)</u>
Balance at 30 June 2018	<u>13,480</u>	<u>13,480</u>



**Crawford Fund Limited**

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**Notes to the Financial Statements  
For the Year Ended 30 June 2018****7 Trade and Other Payables**

	2018	2017
	\$	\$
Trade payables	45,187	675
Deferred income	209,470	324,230
PAYG payable	8,313	4,397
Other payables	141,335	51,428
	<u>404,305</u>	<u>380,730</u>

**8 Employee Entitlements**

	2018	2017
	\$	\$
<b>CURRENT</b>		
Provision for annual leave	27,551	35,730
Provision for long service leave	46,483	15,188
	<u>74,034</u>	<u>50,918</u>
<b>NON-CURRENT</b>		
Provision for long service leave	7,660	26,984

**9 Leasing Commitments****Operating lease commitments:**

	2018	2017
	\$	\$
Payable - minimum lease payments:		
- not later than 1 year	23,681	22,000
- between 1 year and 5 years	-	22,000
	<u>23,681</u>	<u>44,000</u>

The property lease commitments are non-cancellable operating leases contracted for but not capitalised in the financial statements due for expiry in June 2019.

**10 Financial Risk Management**

The Company's financial instruments consist mainly of deposits with banks, investments and accounts receivable and payable.

The accounting policies and terms and conditions of each class of financial asset and financial liability at the end of the reporting period are consistent with those regularly adopted by businesses in Australia.

The Company is not subject to any significant credit or interest rate risk. Liquidity risk is managed by monitoring cash flows and ensuring that adequate funds are maintained to meet short term liabilities.

The totals for each category of financial instruments, measured in accordance with AASB 139 as detailed in the accounting policies to these financial statements, are as follows:

**Crawford Fund Limited**

ABN: 66 141 714 490

**Notes to the Financial Statements  
For the Year Ended 30 June 2018****10 Financial Risk Management (continued)**

		2018	2017
		\$	\$
<b>Financial Assets</b>			
Cash and cash equivalents	2	821,226	763,423
Loans and receivables	3	40,039	86,031
Other financial assets	5	421,577	398,868
<b>Total financial assets</b>		<b>1,282,844</b>	<b>1,248,320</b>
<b>Financial Liabilities</b>			
<i>Financial liabilities at amortised cost:</i>			
Trade and other payables	7	194,835	56,500
<b>Total financial liabilities</b>		<b>194,835</b>	<b>56,500</b>
<b>Net fair values</b>			

Financial assets and financial liabilities are carried at their net fair value at the end of the reporting period. The carrying values of financial assets and financial liabilities approximate their net fair values due to their short term maturity or market interest rate.

No financial assets or financial liabilities are traded on organised markets in standardised form.

**11 Members' Guarantee**

The Company is incorporated under the Corporations Act 2001 and is a Company limited by guarantee. If the Company is wound up, the constitution states that each member is required to contribute a maximum of \$20 each towards meeting any outstandings and obligations of the Company. At 30 June 2018 the number of members was 13 (2017: 12).

**12 Key Management Personnel Compensation**

Key management personnel is defined by AASB 124 "Related Party Disclosures" as those persons having authority and responsibility for planning, directing and controlling the activities of the entity, directly or indirectly, including any director of the entity.

The aggregate remuneration paid to key management personnel during the year is as follows:

	2018	2017
	\$	\$
Total key management personnel compensation	100,996	73,827

In addition to the above compensation, the Company has paid insurance premiums for Association Liability Insurance which incorporates directors' and officers' liability insurance.

**13 Contingent Liabilities and Contingent Assets**

In the opinion of the Directors, the Company did not have any contingencies at 30 June 2018 (30 June 2017: None).

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**Notes to the Financial Statements  
For the Year Ended 30 June 2018**

**14 Events After the End of the Reporting Period**

The financial statements were authorised by the Directors on the date of signing the attached directors' declaration. The directors have the right to amend the financial statements after they are issued.

No matters or circumstances have arisen since the end of the financial year which significantly affected or may significantly affect the operations of the Company, the results of those operations or the state of affairs of the Company in future financial years.

**15 Company Details**

The registered office and principal place of business of the Company is:

Crawford Fund Limited  
Unit 7  
1 Dairy Road  
FYSHWICK ACT 2609

## Crawford Fund Limited

ABN: 86 141 714 490

### Directors' Declaration

The directors of the Company declare that:

1. The financial statements and notes, as set out on pages 6 to 18, are in accordance with the Australian Charities and Not-for-profits Commission Act 2012 and:
  - a. comply with Australian Accounting Standards - Reduced Disclosure Requirements and other mandatory professional reporting requirements; and
  - b. give a true and fair view of the financial position as at 30 June 2018 and of the performance for the year ended on that date of the Company.
2. In the directors' opinion, there are reasonable grounds to believe that the Company will be able to pay its debts as and when they become due and payable.

This declaration is made in accordance with a resolution of the Board of Directors.

Director:



Dated this 15<sup>th</sup> day of August 2018



# Acronyms

<b>AAC</b>	Australia ASEAN Council	<b>ILRI</b>	International Livestock Research Institute
<b>AARES</b>	Australian Agricultural & Resource Economics Society	<b>IRRI</b>	International Rice Research Institute
<b>ACIAR</b>	Australian Centre for International Agricultural Research	<b>NGO</b>	non-governmental organisation
<b>ACT</b>	Australian Capital Territory	<b>NSW</b>	New South Wales
<b>ANU</b>	Australian National University	<b>NT</b>	Northern Territory
<b>APAARI</b>	Asia Pacific Association of Agricultural Research Institutions	<b>ODA</b>	Overseas Development Assistance
<b>ATSE</b>	Australian Academy of Technological Sciences and Engineering	<b>PBCRC</b>	Plant Biosecurity Cooperative Research Centre
<b>CABI</b>	Centre for Agriculture and Biosciences International	<b>QAAFI</b>	Queensland Alliance for Agriculture and Food Innovation
<b>CGIAR</b>	Consultative Group on International Agricultural Research	<b>R&amp;D</b>	research and development
<b>CIAT</b>	International Center for Tropical Agriculture	<b>RAID</b>	Researchers in Agriculture for International Development
<b>CIMMYT</b>	International Maize and Wheat Improvement Center	<b>SA</b>	South Australia
<b>COALAR</b>	Council on Australia Latin America Relations	<b>SDGs</b>	Sustainable Development Goals
<b>CSIRO</b>	Commonwealth Scientific and Industrial Research Organisation	<b>SFSA</b>	Syngenta Foundation for Sustainable Agriculture
<b>DFAT</b>	Department of Foreign Affairs and Trade (Australia)	<b>UQ</b>	University of Queensland
<b>FAO</b>	Food and Agriculture Organization of the United Nations	<b>UWA</b>	University of Western Australia
<b>GOAL</b>	Genebank Management and Advanced Learning	<b>WA</b>	Western Australia

ABN 86 141 714 490

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