



**Australian Government**

**Australian Centre for  
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**Photography  
Competition 2017**

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Design by World of Cobras

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Sometimes the best way to share the diversity of ACIAR's work is to show it in pictures.

We asked the people we work with in 36 countries around the world to send us photos that illustrate and celebrate our agricultural research for development programs.

Here are 25 images that tell our story.



Building women  
to build hope  
Photo: Arnab Chakraborty

#### **WINNER** - Best Photo

"This is Rani Hansda standing in front of her tomato field with a divine smile conveying joy, determination and a dream for a better life."  
Arnab Chakraborty

Women in the Bankura district; West Bengal, India face patriarchal discrimination and were rarely identified as 'farmers' until PRADAN, a national NGO, worked with them on an ACIAR project.

A new variety of tomato has given these poor women hope. They used to grow a conventional, determinate low productive variety of tomato, but now grow an indeterminate variety, which grows and bears fruit throughout the season. simple climate protective polythene shelters maintain the temperature the tomato needs.



Story of Baldaive  
Photo: Munawar Kazmi

**WINNER** - Farm to Market

“Young Baldaive sitting on bunches of onions he and his family harvested. After school he works with his family in the onion fields.

“Baldaive dreams of becoming a government employee so that he and his children might be prosperous... leaving behind this tiring work. I am inspired by his dreams and wish him all the best for the future.”

Munawar Kazmi



Fishing for the future  
Photo: J.Vander Ploeg

**WINNER** - Climate Change and Natural Resource Management

Peter Kuniu spears a rabbitfish in Lau Lagoon, Solomon Islands. Rapid population growth, increased connectedness to global markets and climate change threaten the sustainability of coastal fisheries in the Pacific.

ACIAR and WorldFish are building the capacity of regional institutions, national governments and rural communities to effectively co-manage marine resources so that these fisheries will be sustainable into the future.





Hard work, watering shallots in Java.  
Photo: Richard Markham

**WINNER** - Crop Systems and Horticulture

The hard work of producing and harvesting shallots generates income for smallholder farmers as an alternative to their usual rice crop. But excessive applications of agrochemicals – both fertilisers and pesticides – makes their work less profitable, and dangerous to their health and environment.

ACIAR's projects are helping them to find better ways to manage pests and diseases, and to rationalise their use of chemical 'inputs'.



Bali cows eating rice straw  
Photo: Dianne Mayberry

## **WINNER** - Livestock

An ACIAR project in Indonesia investigated more efficient ways to feed livestock.

Rice straw and other crop residues would be fed to cows with low energy requirements, while good quality feed like tree legumes would be saved for young animals and growing or fattening bulls.

This picture shows two Bali cows in Lombok eating rice straw. With a small amount of supplementation, cows can maintain weight and condition on a rice-straw based diet.



Net Practice  
Photo: Rajesh Dhar

**WINNER** - Fisheries and Aquaculture

A group of fishermen on the Bay of Bengal in West Bengal, India.



Mornings Catch  
Photo: Ian McLeod

**WINNER** – People's Choice award

A villager with his morning catch in Gally Reach, Papua New Guinea.



Monitoring cattle  
production  
Photo: Elsa Glanville

**WINNER** - Women and youth in Agriculture

Careful deliberation when piloting a household cattle survey in Ya Thar Village, Central Dry Zone, Myanmar

Dr Bo Hein, University of Veterinary Science tutor (left), Masters student, Yadana Amh (right), and Dahat Pan Project junior scientist Ei Phyu (centre) piloting a household survey of cattle farmers participating in ACIAR's Longitudinal Monitoring of Cattle Production in the Central Dry Zone Project.

Great care was required to convert dates of birth from the traditional 100 years Myanmar calendar that many households use to the A.D. calendar. The team had to adjust the question, highlighting the importance of piloting surveys!



Know your enemy!  
Photo: Richard Markham

Fruitfly on mango in Java, Indramayu, Indonesia.

Fruitflies cause enormous damage to mangoes (and many other fruits and vegetables), in Australia, Indonesia and around the world. By understanding their ecology and behaviour, researchers can devise new ways to reduce their populations (using traps that exploit the flies' food and mate finding behaviour; removing alternative breeding sites etc) in an approach known as 'area-wide management'.

Growers in rural communities near Indramayu in Indonesia have used this approach so successfully that they have achieved 'near eradication' levels – while avoiding the use of harmful pesticide sprays. This has opened the way to new and more profitable markets in urban supermarkets.



Story of Irrigation Training  
Photo: Munawar Kazmi

Dr Tahir Khurshid, Project Leader for the ASLP Citrus Project from the NSW Department of Agriculture, explains soil profiling to Ms Naeema and Ms Hajra during a practical irrigation for horticulture training session.



Setting off  
Photo: Ian McLeod

Researchers depart for a morning's fisheries research in Galley Reach, Papua New Guinea.





Building the capacity  
of female farmers.  
Photo: Hafeez Ullah

Women smallholder farmers are trained to diagnose sub-clinical mastitis and help prevent dairy animal diseases.



Double cropping  
Photo: Alak Kumar Jana

Agriculture research, education, crop diversification and efficient water use are changing Hemlata Mandi's life.

Mono-cropped, rain-fed, transplanted rice paddy doesn't provide enough food, nutrition or income. The adoption of double cropping, short duration paddy followed by a low water requirement winter vegetable crop provides Hemlata with a diverse diet, the ability to earn a higher income, and a chance to overcome poverty.



Snout  
Photo: Ian McLeod

Pigs are a vitally important part of the economic and cultural life of villagers in Papua New Guinea.



Strawberry season  
Photo: Mohmoh Phyu

Strawberry picking season in Myanmar. Even the youngest family members get involved.



Kinnow mandarin  
Photo: Gerard McEvilly

Citrus is Pakistan's largest fruit industry and the Kinnow mandarin is the most popular, and over two million tonnes are produced annually. About one-third of the crop is never consumed, due to failings on-farm or after harvest.

This reduces the dietary benefits for local Pakistanis, and minimises exports to ex-pats and other lovers of this sweet, juicy variety. ACIAR projects are delivering technical solutions and research to investigate market conditions in Dubai, where Kinnow is shipped in both old-style timber crates and modern cartons.



Mango trees  
Photo: Mohmoh Phyu

Mango trees in Myanmar after painting with lime cream.



Sea cucumber  
Photo: Watisoni Lalavanua

Sea cucumber fishers with their catch in Vanua Balavu, Fiji.



Sam with baby sandfish  
Photo: Cathy Hair

A young boy from the village of Limanak (Tigah Islands, Papua New Guinea) holding a hatchery-bred sandfish (sea cucumber), part of a Papua New Guinea mariculture project.





Story of Chandan Mai  
Photo: Munawar Kazmi

Chandan Mai has worked in these onion fields for more than 35 years. Here she is surrounded by her grandchildren. She is hopeful that her family will earn a higher income from their onions with help from ACIAR. Chandan Mai believes agricultural research and development will provide a brighter future for her grandchildren.



Graphical crops,  
Orissa, India  
Photo: Rajesh Dhar

Women farmers spread rice husks to be dried on a concrete platform.



Fill the pan - fill the stomach  
Photo: J. van der Ploeg

Catherine and Syrilia sort the daily catch in the Lau Lagoon on Malaita.  
Fish are critical for the food security of coastal people in Solomon Islands.

Research is improving our understanding of fisheries as a source of food for vulnerable communities in the Pacific.



Dragonfruit sorting  
Photo: Aljay Valida

Sorting freshly harvested dragon fruit on the outskirts of Ho Chi Minh City, Vietnam.



Women in wheat crop  
Photo: Munawar Kazmi

Women are vital to the production of almost all crops in Pakistan. ACIAR is supporting projects that build women's knowledge and capacity, helping to increase production and improve livelihoods.



Berina in the maize  
Photo: Chenai Tsorayi

Berina Vhurande, VIRL Microfinance loan beneficiary, in her maize field.

Berina Vhurande shows off her lush maize crops that she grows in Mashoko Irrigation Scheme in Bikita district, Masvingo province, Zimbabwe.

She has been farming for a living for more than four years now. With irrigation facilities at her disposal, she is able to grow crops all year round. She rotates maize, tomatoes, groundnuts and sugarbeans.





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