

# Crawford Fund ‘Development for a Better Future’ Curriculum Modules

## A consolidated list of projects, resources and videos for easy reference

In order to assist educators in the use of the Crawford Fund teaching modules on key food and nutrition security issues, we have developed this resources document that includes all the resources provided in each module. We are including our full suite of current videos in our NextGen series.

### Crawford Fund NextGen Videos

- #NextGenAg4D on Food Systems Transformation!  
<https://www.youtube.com/watch?v=l8LJ-cRKnK8>
- International agriculture for development: Benefits to the next generation  
<https://www.youtube.com/watch?v=5c3jITyfo5M>
- Development For a Better Future: Making an Impact on Global Food and Nutrition Security Part 1&2  
<https://www.youtube.com/watch?v=2lYXRl2oCnw&t=56s>  
<https://www.youtube.com/watch?v=1Leeb8RIC84&t=57s>
- Career Pathways into International Agriculture for Development: Part 1&2  
<https://www.youtube.com/watch?v=kCpht3ZFBys>  
[https://www.youtube.com/watch?v=60-HXBSad\\_Y](https://www.youtube.com/watch?v=60-HXBSad_Y)
- Why choose agriculture for development?  
<https://www.youtube.com/watch?v=EkOdQJm17vw>
- Young Voices in International Agricultural Research for Development  
<https://www.youtube.com/watch?v=KxVhJ8fDjj4>
- Young voices:
  - Emma Zalcman - <https://www.youtube.com/watch?v=Ch5kUPeq3nE>
  - Harry Campbell-Ross - <https://www.youtube.com/watch?v=AdQdo9ESNy0>
  - Jillian Lyall - <https://www.youtube.com/watch?v=3hg3CdmExW8>
  - Maddison Clonan - <https://www.youtube.com/watch?v=INXP8gwkKvc>
  - Matt Champness - <https://www.youtube.com/watch?v=9AV-qodJ2hw>
  - Tamaya Perresini - <https://www.youtube.com/watch?v=rMSjbldsq0I>
  - Sam Coggins - <https://www.youtube.com/watch?v=Flci1zEMhl4>

- Volunteering in Laos:
  - Be a volunteer - share and learn - <https://www.youtube.com/watch?v=EZJTj7b6LJ4>
  - From volunteer to mentor - <https://www.youtube.com/watch?v=Xd3gMfkddyk>
  - I want to help them - <https://www.youtube.com/watch?v=nuTBgshNS2Q>
  - Everywhere we go we're met with smiles - <https://www.youtube.com/watch?v=Rp2TMgCIZA0>

## Module 1: Climate Change (Year 9 and 10)

### Projects

- Climate Smart Villages  
<https://ccafs.cgiar.org/climate-smart-villages#.XzCeASgzZPY>
- Smart food, The Initiative: Good for the Planet  
<https://www.smartfood.org/the-initiative/good-for-the-planet/>
- Picture and Satellite Based Insurance  
<https://aci-ar.gov.au/project/gp-2019-177>
- Reducing climate risk in the Pacific  
<https://aci-ar.gov.au/project/hort-2012-011>
- Mitigation Options Fiji and Vietnam  
<https://aci-ar.gov.au/project/lwr-2017-029>
- Managing Climate Risk – Philippines  
<https://aci-ar.gov.au/project/ase-2014-051>
- Food Loss and Waste  
<https://www.ifpri.org/topic/food-loss-and-waste>

### Resources

- Building Climate Resilience  
<https://aci-ar.gov.au/publication/books-and-manuals/building-climate-resilience>
- Lessons from the rice fields  
<https://www.aci-ar.gov.au/media-search/blogs/lessons-rice-fields>
- State of Food Security and Nutrition in the World 2020  
<http://www.fao.org/3/ca9692en/online/ca9692en.html#>
- Actions to Transform Food Systems Under Climate Change  
<https://cgspace.cgiar.org/bitstream/handle/10568/108489/Actions%20to%20Transform%20Food%20Systems%20Under%20Climate%20Change.pdf>
- Reshaping Agriculture for Better Nutrition  
<https://www.crawfordfund.org/wp-content/uploads/2019/01/2018-Crawford-Fund-Conference-Proceedings.pdf>

- Eat Lancet Report on Food Planet Health  
<https://eatforum.org/eat-lancet-commission/>
- Addressing the Ag, Energy, Water, Climate Change Nexus  
<https://www.crawfordfund.org/wp-content/uploads/2019/04/Crawford-Fund-2019-conference-proceedings-132ppcovers.pdf>
- Climate Smart Ag 101  
<https://csaguide.cgiar.org/#:~:text=CSA%20Guide%20provides%20a%20short,of%20specific%20topics%20of%20interest>
- Global Research Alliance on Agricultural Greenhouse Gases  
<https://globalresearchalliance.org/>
- Sustainable Development Goals  
<https://www.un.org/sustainabledevelopment/student-resources/>  
<https://worldslargestlesson.globalgoals.org>

## Videos

- How is climate change affecting food and nutrition security?  
<https://www.youtube.com/watch?v=gjtIl5BlzXI>
- Climate-Smart Agriculture  
<https://www.youtube.com/watch?v=q7Jnj0oBa94&t=1s>
- Agricultural Practice in the Asia Pacific  
<https://www.youtube.com/watch?v=-xl9VVGEeR0&t=312s>  
<https://www.youtube.com/watch?v=OjhRfvc7bA&t=183s>
- What is the Australian Centre for International Agricultural Research (ACIAR) and what does it do?  
<https://www.youtube.com/watch?v=MuiJzHzYBMo>
- Young Voices in International Agricultural Research for Development  
<https://www.youtube.com/watch?v=KxVhj8fDjj4>

## Module 2: Climate Smart Technologies (Year 9 and 10)

### Projects

- Climate Smart Villages  
<https://ccafs.cgiar.org/climate-smart-villages#.XzCeASgzZPY>
- Climate Smart Tools  
<https://ccafs.cgiar.org/resources/tools-maps-models-and-data#.XzCezygzZPY>
- Climate Smart Tech for Ethiopia  
<https://aciarc.gov.au/project/gp-2019-173>
- Climate Smart Ag opportunities in PNG  
<https://aciarc.gov.au/project/ase-2017-026>
- Biofortification and climate smart  
<https://www.harvestplus.org/viewpoints/combating-climate-change-and-malnutrition-two-pronged-solution>
- Conservation Ag – page 28 *In a variable climate, good science pays*  
<https://www.aciarc.gov.au/publication/partners-magazine/partners-magazine-2018-issue-1>
- Legumes in a turbulent climate – mungbean research  
<https://www.aciarc.gov.au/media-search/blogs/sprouting-new-market-through-mungbean-research>
- Understanding the soils of the world  
<https://www.iwmi.cgiar.org/archive/wle/news/library-understanding-soils-world/index.html>
- Food Cubes in Tuvalu  
<https://www.crawfordfund.org/wp-content/uploads/2019/05/Noyce-Cities-as-water-catchments-urban-farms-2019-Crawford-Fund-conference.pdf>
- Video - The Food cube - Improving food security on Pacific atolls  
<https://www.youtube.com/watch?v=6grPo4pBJ0w>
- Maintaining Carbon in Soil - Peatlands  
<https://aciarc.gov.au/project/fst-2016-144>
- Climate change resilience through agroforestry  
<https://aciarc.gov.au/project/fst-2016-152>

### Resources

- Building Climate Resilience  
<https://aciarc.gov.au/publication/books-and-manuals/building-climate-resilience>

- State of Food Security and Nutrition in the World 2020  
<https://www.fao.org/3/ca9692en/online/ca9692en.html#>
- Actions to Transform Food Systems Under Climate Change  
<https://cgspace.cgiar.org/bitstream/handle/10568/108489/Actions%20to%20Transform%20Food%20Systems%20Under%20Climate%20Change.pdf>
- Reshaping Agriculture for Better Nutrition  
<https://www.crawfordfund.org/wp-content/uploads/2019/01/2018-Crawford-Fund-Conference-Proceedings.pdf>
- Eat Lancet Report on Food Planet Health  
<https://eatforum.org/eat-lancet-commission/>
- Addressing the Ag, Energy, Water, Climate Change Nexus  
<https://www.crawfordfund.org/wp-content/uploads/2019/04/Crawford-Fund-2019-conference-proceedings-132ppcovers.pdf>
- Climate Smart Ag 101  
<https://csaguide.cgiar.org/#:~:text=CSA%20Guide%20provides%20a%20short,of%20specific%20topics%20of%20interest>
- Global Research Alliance on Agricultural Greenhouse Gases  
<https://globalresearchalliance.org/>
- Estimated Future Population Growth  
World Population Prospects, 2015 Revision. UN Population Division.
- Current regional and projected global meat consumption  
Godfray et al. 2018. Data from [www.fao.org/faostat/en/?#data](http://www.fao.org/faostat/en/?#data)
- Global healthy eating effects on deaths  
<https://www.crawfordfund.org/wp-content/uploads/2019/04/Crawford-Fund-2019-conference-proceedings-132ppcovers.pdf>
- Percentage contributions of different sectors to total agricultural greenhouse gas emissions  
<https://www.crawfordfund.org/wp-content/uploads/2019/04/Crawford-Fund-2019-conference-proceedings-132ppcovers.pdf>
- Comparison of environmental pressure on planetary boundaries (as a percentage of present impact) contributed by various agricultural sectors  
<https://www.crawfordfund.org/wp-content/uploads/2019/04/Crawford-Fund-2019-conference-proceedings-132ppcovers.pdf>
- Food Security: the challenge is changing human behaviour  
<https://aciarc.gov.au/media-search/blogs/food-security-challenge-changing-human-habits>
- How do we scale solar irrigation? Here's what the experts think  
<https://www.aciarc.gov.au/media-search/blogs/how-do-we-scale-solar-irrigation-heres-what-experts-think>

- Climate Smart Ag  
<https://ciat.cgiar.org/what-we-do/climate-smart-agriculture/>
- Climate Smart Agriculture in Action  
<https://farmingfirst.org/climate-smart-agriculture>
- Transforming Food Systems under Climate Change  
<https://www.transformingfoodsystems.com/>
- Game-Changing Technologies  
<https://ccafs.cgiar.org/news/media-centre/press-releases/game-changing-technologies-transform-our-food-systems#.XzDV8CgzZPY>
- 9 Lessons for Scaling up Climate Smart ag  
<https://ciat.cgiar.org/9-lessons-for-scaling-up-climate-smart-agriculture/>
- Sustainable Development Goals  
<https://www.un.org/sustainabledevelopment/student-resources/>  
<https://worldslargestlesson.globalgoals.org>

## Videos

- What is climate smart agriculture?  
[https://www.youtube.com/watch?v=7ckflm6lBs4&feature=emb\\_logo](https://www.youtube.com/watch?v=7ckflm6lBs4&feature=emb_logo)
- Helping to produce more food  
[https://www.youtube.com/watch?time\\_continue=4&v=i0V2xzEw44Y&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=4&v=i0V2xzEw44Y&feature=emb_logo)
- The Food Cube– Improving food security on Pacific atolls  
<https://www.youtube.com/watch?v=6grPo4pBJ0w>
- Climate Smart Village Project: Agroforestry  
<https://www.youtube.com/watch?v=x8-G5OPJbVw>
- Solar Powered Irrigation  
<https://www.youtube.com/watch?v=-YeE9THyYgE>
- What is the Australian Centre for International Agricultural Research (ACIAR) and what does it do?  
<https://www.youtube.com/watch?v=MuiJzHzYBMo>
- Young Voices in International Agricultural Research for Development  
<https://www.youtube.com/watch?v=KxVhj8fDjj4>

## Module 3: Covid-19 and Food and Nutrition Security (Year 9 and 10)

### Projects

- One Health & related projects  
<https://aciar.gov.au/one-health>  
<https://www.youtube.com/watch?v=AV2sXCslf-8>
- Wet Markets in Vietnam  
<https://www.aciar.gov.au/media-search/blogs/wet-markets-not-so-cut-and-dry>
- Plant Doctors in the Pacific  
<https://aciar.gov.au/media-search/blogs/plant-doctors-available-farmers-during-covid-19>
- Beyond the Pandemic: Harnessing Digital Revolution  
[https://www.worldbank.org/en/news/immersive-story/2020/08/06/beyond-the-pandemic-harnessing-the-digital-revolution-to-set-food-systems-on-a-better-course?cid=SHR\\_SiteTweetable\\_XX\\_EXT?cid=EXT\\_WBEmailShare\\_EXT](https://www.worldbank.org/en/news/immersive-story/2020/08/06/beyond-the-pandemic-harnessing-the-digital-revolution-to-set-food-systems-on-a-better-course?cid=SHR_SiteTweetable_XX_EXT?cid=EXT_WBEmailShare_EXT)

### Resources

- One Health research—a strategic approach to managing risks to human health by understanding animal, human and environmental health and how they interact.  
<https://www.aciar.gov.au/publication/partners-magazine/partners-magazine-2020-issue-2>
- ABARES Insights: Analysis of Australian food security and the COVID-19 pandemic  
<https://www.awe.gov.au/abares/products/insights/australian-food-security-and-COVID-19#empty-supermarket-shelves-reflect-an-unexpected-surge-in-demand-as-consumers-stockpile-food-taking-supply-chains-by-surprise>
- Covid-19 and food systems in the Indo-Pacific  
<https://www.aciar.gov.au/publication/covid19>
- COVID19 and Global Food Security including case studies  
<https://www.ifpri.org/interactive/covid>
- COVID19 Risks to Global Food Security  
<https://science.sciencemag.org/content/369/6503/500>
- Risks in the Indo Pacific COVID19  
<https://aciar.gov.au/publication/technical-publications/food-systems-rapid-assessment>
- Combatting Zoonotic Disease in our Region  
<https://aciar.gov.au/media-search/news/combating-zoonotic-diseases-our-region>
- Impacts of COVID-19 on childhood malnutrition and nutrition-related mortality  
[https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)31647-0/fulltext?utm\\_campaign=tlcoronavirus20&utm\\_source=twitter&utm\\_medium=social](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)31647-0/fulltext?utm_campaign=tlcoronavirus20&utm_source=twitter&utm_medium=social)

## Videos

- What is One Health?  
<https://www.youtube.com/watch?v=AV2sXCslf-8>
- Improving food safety in the wet markets in Vietnam  
[https://www.youtube.com/watch?v=fMJlZSaqFPQ&feature=emb\\_logo](https://www.youtube.com/watch?v=fMJlZSaqFPQ&feature=emb_logo)
- What is the Australian Centre for International Agricultural Research (ACIAR) and what does it do?  
<https://www.youtube.com/watch?v=MuiJzHzYBMo>
- Young Voices in International Agricultural Research for Development  
<https://www.youtube.com/watch?v=KxVhj8fDjj4>

## Module 4: Australia – A Powerhouse for Agricultural Research (Year 9 and 10)

### Projects

- Virtual Irrigation Academy and Chameleon Card  
<https://via.farm/>
- Village Groundwater Use  
<http://www.marvi.org.in/>
- Safer vegetables for Vietnam  
[http://static1.squarespace.com/static/5e5856a58220896e4dd6b366/5f14eb62fcfa946754bc0bb2/5f14eb70fcfa946754bc11d8/1595206512362/aciar\\_partners\\_issue\\_1\\_2020-Vegetable-article.pdf?format=original](http://static1.squarespace.com/static/5e5856a58220896e4dd6b366/5f14eb62fcfa946754bc0bb2/5f14eb70fcfa946754bc11d8/1595206512362/aciar_partners_issue_1_2020-Vegetable-article.pdf?format=original)
- Newcastle Disease of Chickens  
[https://www.aciar.gov.au/sites/default/files/legacy/ias\\_87-web.pdf](https://www.aciar.gov.au/sites/default/files/legacy/ias_87-web.pdf)
- Happy Seeder  
<https://www.aciar.gov.au/media-search/blogs/a-burning-solution>
- Chocolate Vanuatu  
<https://www.aciar.gov.au/media-search/blogs/long-road-remote-pacific-village-fine-australian-chocolate>
- Coconuts for Pacific Livelihoods  
<https://www.spc.int/updates/news/2019/08/coconuts-for-livelihoods-project>
- Community Forestry in Nepal  
<https://www.aciar.gov.au/media-search/blogs/nepal-australia-forestry-partnership>
- Indonesian Peatland fires  
<https://aciarc.gov.au/project/fst-2016-144>



- Dairy and Beef in Pakistan  
<https://aciar.gov.au/project/lps-2016-011>
- Mekong Fishway ladders  
<https://www.aciar.gov.au/media-search/blogs/ladders-success>
- Mass Coral Larval Reseeding  
<https://aciar.gov.au/project/fis-2014-063>
- Sustainable Intensification in Africa  
<https://aciar.gov.au/publication/technical-publications/farm-mechanisation-and-conservation-agriculture-sustainable-intensification-final>
- Digital Farmhand robot  
<https://ageconsearch.umn.edu/record/266635?ln=en>
- Food Energy and Water in South Asia  
<https://research.aciar.gov.au/sdip/>  
<https://aciar.gov.au/project/cse-2011-077>
- Harnessing Digital Tools for Climate and Ag  
<https://ccafs.cgiar.org/blog/harnessing-digital-tools-climate-and-agriculture#.XzCK5ygZPY>
- MyWell app  
<https://aciar.gov.au/media-search/news/revolutionary-app-reveals-resource-underground>
- Rise Harvest app  
[https://drive.google.com/file/d/1s2ZwgnnkxYOWFqwbBrYQ\\_JfDtD2r889F/view](https://drive.google.com/file/d/1s2ZwgnnkxYOWFqwbBrYQ_JfDtD2r889F/view)
- Safe Vege Supply in Myanmar  
<https://aciar.gov.au/media-search/news/new-safe-vegetable-supply-chain-myanmar>
- Improved Sweet Potato Production in PNG  
<https://aciar.gov.au/project/hort-2014-083>
- Seaweed in the Pacific  
<https://aciar.gov.au/project/fis-2010-098>
- Direct Seeded Rice in Laos  
<https://aciar.gov.au/media-search/blogs/innovation-all-how-can-farm-innovation-truly-fit-lao-pdr-local-context>
- Soil and Land Management  
<https://aciar.gov.au/project/smcn-2014-049>
- Pacific Pests and Pathogens app  
[https://play.google.com/store/apps/details?id=com.lucidcentral.mobile.pacific\\_pests&hl=en\\_AU](https://play.google.com/store/apps/details?id=com.lucidcentral.mobile.pacific_pests&hl=en_AU)

- Ambit robotics - Melbourne-based startup creating spraying robots for Indonesian spray contractors (to protect their health and save them time)  
<https://ambitrobotics.com>
- AgUnity - Aus-based startup that makes smartphones specifically for smallholders to help them connect with each other and the world  
<https://www.agunity.com>

## Resources

- Transform fieldwork data using spatial technologies  
<https://www.business.qld.gov.au/running-business/support-assistance/mapping-data-imagery/data>
- Work of ACIAR  
<https://aciarc.gov.au/>
- Learn more about the Sustainable Development Goals  
<https://www.un.org/sustainabledevelopment/student-resources/>
- Sustainable Development Goals  
<https://worldslargestlesson.globalgoals.org/>
- ESRI Australia - learning materials  
<https://esriaustralia.com.au/education/classroom-learning-materials>
- National Map Australia  
<https://nationalmap.gov.au>
- Earthnull School  
<https://earth.nullschool.net>
- UN Earth Observatory  
<https://earthobservatory.nasa.gov>
- Bouncy Maps  
<https://www.bouncymaps.com/#!/bouncymaps/world/2094636857>
- Waterbalance App  
<https://livingatlas.arcgis.com/waterbalance/>
- World Mapper  
<https://livingatlas.arcgis.com/waterbalance/>
- Queensland Globe  
<https://qldglobe.information.qld.gov.au>
- ESRI Wayback Imagery  
<https://livingatlas.arcgis.com/wayback/#active=37965>

- Change from Above  
<https://storymaps.arcgis.com/stories/a22379c2512149d8a1b69e41d33da2c1>
- Google Timelapse  
<https://earthengine.google.com/timelapse/>
- Interpreting a satellite image – NASA  
<https://earthobservatory.nasa.gov/features/ColorImage>
- Atlas.id  
<https://atlas.id.com.au>
- Landviewer  
<https://eos.com/landviewer/?lat=-27.39180&lng=153.10779&z=13>
- Voyager in Google Earth  
<https://www.google.com/earth/about/gallery/>

## Videos

- Work of ACIAR  
<https://www.youtube.com/watch?v=yH7Qe5XR4Cs>
- Why is international agriculture development important?  
<https://www.youtube.com/watch?v=nFhQfq2ExJA>
- Compare and contrast – Australia and Balinese Pig Farming\*  
<https://www.youtube.com/watch?v=7Eb4h66dSBE>  
<https://app.farmvr.com/player?video=1598416683831>
- Strengthening cocoa value chains in the South Pacific  
<https://www.youtube.com/watch?v=WiMeg4-z580>
- Improving smallholder dairy and beef profitability in Pakistan  
<https://www.youtube.com/watch?v=ghCr2EhrZHU&list=PL5-wYcyMyLz9J5lloUMCnCaz4wHj4CzOb>  
<https://www.youtube.com/watch?v=2UPREMOTA10>
- Chameleon Card  
<https://www.youtube.com/watch?v=4470rERE87A>
- Digital Farmhand Trials – Samoa  
<https://www.youtube.com/watch?v=kwwYgmw6t0Y>
- Diversification of seaweed industries in Pacific Island Countries  
[https://www.youtube.com/watch?v=vUZ2ZMRpnH4&feature=emb\\_logo](https://www.youtube.com/watch?v=vUZ2ZMRpnH4&feature=emb_logo)

- Newcastle Disease of Chickens  
<https://www.youtube.com/watch?v=NM04PsDJSXQ>
- Coconuts for Pacific Livelihoods  
<https://www.youtube.com/watch?v=WiMeg4-z580>  
[https://www.youtube.com/watch?v=jZ0wfeoo\\_q8](https://www.youtube.com/watch?v=jZ0wfeoo_q8)
- Community Forestry in Nepal - Landline TV  
<https://www.abc.net.au/landline/growing-hope:-australian-agricultural-aid/8756796?nw=0>
- Sustainable Intensification in Africa  
<https://www.youtube.com/watch?v=dWTffs2S894>
- Digital Farmhand robot  
<https://www.youtube.com/watch?v=kvvYgmw6t0Y>
- Food Energy and Water in South Asia  
<https://www.youtube.com/watch?v=yr5eTnkkfhY>  
<https://www.youtube.com/watch?v=2rRRFnNkEbs>
- Seaweed in the Pacific  
<https://www.youtube.com/watch?v=vUZ2ZMRpnH4>
- Digital Farmhand Trials - Samoa  
<https://www.youtube.com/watch?v=kvvYgmw6t0Y>
- Diversification of seaweed industries in Pacific Island Countries  
[https://www.youtube.com/watch?v=vUZ2ZMRpnH4&feature=emb\\_logo](https://www.youtube.com/watch?v=vUZ2ZMRpnH4&feature=emb_logo)
- What is the Australian Centre for International Agricultural Research (ACIAR) and what does it do?  
<https://www.youtube.com/watch?v=MuiJzHzYBMo>
- Young Voices in International Agricultural Research for Development  
<https://www.youtube.com/watch?v=KxVhj8fDjj4>

## Module 5: Gender dimensions in agriculture (Year 9 and 10)

### Projects

- Gender and Fisheries  
<https://worldfishcenter.org/research-theme/gender>
- Gender and Livestock  
<https://www.ilri.org>
- Gender and Water  
<https://www.iwmi.cgiar.org/issues/gender/why-gender/>
- Gender and Wheat/Maize  
<https://www.cimmyt.org/news/reaching-women-with-improved-maize-and-wheat/>
- Gender and Rice  
<https://www.irri.org/advocating-equitable-opportunities>
- CIAT Gender Analysis  
<https://ciat.cgiar.org/what-we-do/gender-analysis/>
- Gender and Potatoes  
<https://cipotato.org/gender-2/>
- Gender and Semi-Arid tropics  
<https://www.icrisat.org/about/policies>
- Gender and Dry areas  
<https://www.icarda.org/research/cross-cutting-theme/empowering-women-and-youth>
- Cool Women of Malaita (Solomon Islands)  
<https://worldfish.exposure.co/cool-women-of-malaita>
- Gender Equity and Women's Empowerment  
<https://www.aciar.gov.au/cross-cutting-areas/gender-equity-and-social-inclusion>
- Gender-related Projects  
<https://research.aciar.gov.au/genderequity/projects>
- Improving opportunities for economic development for women smallholders in rural PNG  
<https://www.aciar.gov.au/project/asem-2014-095>
- Improving agricultural development opportunities for female smallholders in rural Solomon Islands  
<https://www.aciar.gov.au/project/sss-2018-136>
- Gender equitable agricultural extension through institutions and youth engagement in Papua New Guinea  
<https://www.aciar.gov.au/project/sss-2018-137>

- Analysing Gender Transformative Approaches to Agricultural Development with Ethnic Minority Communities in Vietnam  
<https://www.aciar.gov.au/project/sss-2018-139>
- Identifying opportunities and constraints for rural women's engagement in small-scale agricultural enterprises in Papua New Guinea  
<https://www.aciar.gov.au/project/asem-2014-054>

## Resources

- Women in Agriculture – a snapshot  
<https://www.anz.com.au/content/dam/anzcomau/documents/pdf/infocus-oct-2020-women-in-agri.pdf>
- How women are transforming agriculture in Australia?  
<https://womensagenda.com.au/latest/how-women-are-transforming-agriculture-in-australia/>
- Empowering Women in Agriculture: Australia and Beyond  
<https://apo.org.au/node/52512>
- Yes We're Female and We're Farmers  
<https://farmers.org.au/blog/yes-were-female-and-were-farmers/>
- Women are Farmers Too  
<https://www.dscribe.net.au/2021/03/09/women-are-farmers-too-changing-the-gender-divide-in-agriculture/>
- Who is a farmer anyway?  
<https://blog.agridigital.io/blog/who-is-a-farmer-anyway>
- Gender Transformative approach for food security, improved nutrition and sustainable agriculture  
<https://www.fao.org/3/cb1331en/CBI331EN.pdf>
- Gender Equality in Food Systems  
<https://gender.cgiar.org/sites/default/files/wp-uploads/2020/03/Gender-Platform-A4.pdf>
- Gender and Rural Transformation  
<https://pim.cgiar.org/2020/10/09/gender-and-rural-transformation-what-do-we-know-and-what-dont-we-know/>
- Generic catchphrase or global commitment: What is women's empowerment?  
<https://gender.cgiar.org/news-events/generic-catchphrase-or-global-commitment-what-womens-empowerment>
- Gender-Equitable pathways to achieving sustainable agricultural intensification  
<https://www.iwmi.cgiar.org/archive/wle/>

- Scaling out Gender Transformation for Climate Change  
<https://ccafs.cgiar.org/news/scaling-out-gender-transformation-climate-change>
- Transformative engagements – a new way to discuss gender relations in agriculture  
[https://www.iwmi.cgiar.org/archive/wle/?utm\\_source=feedburner&utm\\_medium=feed&utm\\_campaign=Feed%3A%20WLEThrive%20%28Thrive%20Blog%29](https://www.iwmi.cgiar.org/archive/wle/?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A%20WLEThrive%20%28Thrive%20Blog%29)
- Opinion: 4 Revolutionary trips to stop aquaculture and fisheries ignoring, resisting or eroding gender equity  
<https://www.crawfordfund.org/news/opinions/opinion-4-revolutionary-tips-to-stop-aquaculture-and-fisheries-ignoring-resisting-or-eroding-gender-equality/>
- Kreative Koalas - SDG5 Gender Equality  
<https://champions-4-change.com/2024/01/13/sdg-5-striving-for-gender-equality-a-key-to-sustainable-development>
- Gender Relations  
<https://www.ilri.org>
- Rural Women's Role in Pacific Fisheries  
<https://www.policyforum.net/rural-womens-role-in-pacific-fisheries/>
- Towards Gender Equality in Agriculture  
<https://gennovate.org>
- Gender Equality Research  
<https://gender.cgiar.org/news-events/gender-research-rightfully-takes-center-stage-new-one-cgiar-strategy>
- Learn more about the Sustainable Development Goals  
<https://www.un.org/sustainabledevelopment/student-resources/>
- Sustainable Development Goals  
<https://worldslargestlesson.globalgoals.org/>

## Videos

- How is climate change impacting on communities in developing countries?  
<https://youtu.be/ony2GHjYero>
- Gender Dimensions in Developing Countries  
Mexico - <https://www.youtube.com/watch?v=e-yaHwpRLcs&t=17s>  
Tanzania - <https://www.youtube.com/watch?v=PK4oi0zCKiQ>  
Nepal - <https://www.youtube.com/watch?v=vVd7L3BXyFY>
- Gender dimensions in Australia  
<https://youtu.be/Ola94LxrAH8>
- Career Pathways to Agriculture for Development  
[https://www.youtube.com/watch?v=60-HXBsad\\_Y&t=58s](https://www.youtube.com/watch?v=60-HXBsad_Y&t=58s)

- Young Voices in International Agricultural Research for Development  
<https://www.youtube.com/watch?v=KxVhJ8fDjj4>
- What is the Australian Centre for International Agricultural Research (ACIAR) and what does it do?  
<https://www.youtube.com/watch?v=MuiJzHzYBMo>

## Module 6: Genebanks – more than saving seeds (Year 9 and 10)

### Projects

- Preserving the legacy of biodiversity  
<https://www.cimmyt.org/multimedia/preserving-the-legacy-of-biodiversity/>
- Rewiring Plant Reproduction for higher seed yields  
<https://www.uq.edu.au/news/article/2020/06/rewiring-plant-reproduction-higher-seed-yields>
- Kenyan farmers can bank on tree seeds  
<https://www.worldagroforestry.org/blog/2020/10/26/kenyan-farmers-can-bank-tree-seeds>
- Food Security: The Science, Sociology and Economics of Food Production and Access to Food  
<https://www.genebanks.org/resources/impacts/food-security-special-issue/>
- New Alfalfa Varieties Take Root  
<https://www.croptrust.org/news-events/news/new-alfalfa-varieties-take-root/>
- Research on sweet potato's wild relatives reveals options for dealing with drought  
<https://cipotato.org/blog/research-on-sweetpotatos-wild-relatives-reveals-options-dealing-with-drought/>
- Safeguarding and deploying coconut diversity for improving livelihoods in the Pacific islands  
<https://www.aciar.gov.au/project/hort-2017-025>
- Surprising trove of sorghum diversity discovered in Australia — but it's disappearing fast  
[https://alliancebioiversityciat.org/news\\_and\\_blogs/surprising-trove-of-sorghum-diversity-discovered-in-australia-but-its-disappearing-fast/](https://alliancebioiversityciat.org/news_and_blogs/surprising-trove-of-sorghum-diversity-discovered-in-australia-but-its-disappearing-fast/)
- Wild Bananas from Papua New Guinea Boost Food Security for All  
<https://www.croptrust.org/news-events/news/wild-bananas-from-papua-new-guinea-boost-food-security-for-all/>

### Resources

- Crop Diversity: Why it Matters  
<https://sustainabledevelopment.un.org/content/documents/6070haga.pdf>  
<https://www.fao.org/state-of-biodiversity-for-food-agriculture/en/>  
<https://www.croptrust.org/our-mission/crop-diversity-why-it-matters/>



## GENEBANKS

- Why do we need genebanks?  
<https://www.croptrust.org/mission/why-we-need-crop-diversity/>
- Neglected and Underutilised Crops could End Hunger  
<https://www.uwa.edu.au/news/article/2021/february/uwa-researchfinds-neglected-and-underutilised-crops-could-end-hunger>
- How the World's Food Security Depends on Biodiversity  
<https://www.fao.org/3/cb0416en/CB0416EN.pdf>
- The 30 Year Vision: The Future of CGIAR Genebanks  
<https://www.genebanks.org/news-activities/news/30-year-vision/>
- Conserving Crop Diversity is a foundation for improving livelihoods in the Pacific  
<https://www.spc.int/updates/blog/2019/03/conserving-crop-diversity-is-a-foundation-for-improving-livelihoods-in-the>
- Safeguarding seeds for the future  
<https://www.seedvault.no>
- Svalbard: Global Seed Vault FAQ  
<https://www.croptrust.org/work/svalbard-global-seed-vault/faqs/>
- Genebanks – Leveraging Crop Diversity to Make Food Systems More Resilient and Nutritious  
<https://www.harvestplus.org/genebanks-leveraging-crop-diversity-to-make-food-systems-more-resilient-and-nutritious/>
- Horsham's Australian Grains Genebank  
<https://agriculture.vic.gov.au/crops-and-horticulture/the-australian-grains-genebank/about-the-australian-grains-genebank>
- Guardians of diversity: The network of genebanks helping to feed the world  
<https://www.cgiar.org/news-events/news/guardians-of-diversity-the-network-of-genebanks-helping-to-feed-the-world/>
- The Power and Potential of Agrobiodiversity  
<https://www.croptrust.org/news-events/news/the-power-and-potential-of-agrobiodiversity/>
- Are Seeds Alive?  
<https://www.vermontpublic.org/programs/2021-06-04/are-seeds-alive>

## CROP WILD RELATIVES

- The Crop Wild Relatives  
<https://www.cwrdiversity.org>
- 'Crop Science' special issue shows why crops need to get wild  
<https://news.globallandscapesforum.org/49393/crop-science-special-issue-shows-why-crops-need-to-get-wild/>

- Bridge to wild relatives may break barley's yield ceiling  
[https://groundcover.grdc.com.au/innovation/plant-breeding/bridge-to-wild-relatives-may-break-barleys-yield-ceiling?fbclid=IwAR3oOa2WDQAD7O7JOCeW5yBYRk3g24xfXeNI697idkdX1\\_PLtLJgzy70eIM](https://groundcover.grdc.com.au/innovation/plant-breeding/bridge-to-wild-relatives-may-break-barleys-yield-ceiling?fbclid=IwAR3oOa2WDQAD7O7JOCeW5yBYRk3g24xfXeNI697idkdX1_PLtLJgzy70eIM)
- Crop Diversity: Why it Matters
- Loss of Crop Diversity  
<https://sustainabledevelopment.un.org/content/documents/6070haga.pdf>  
<https://onlinelibrary.wiley.com/doi/10.1111/gcb.15396>
- The State of the World's Biodiversity for Food and Agriculture  
<https://www.fao.org/state-of-biodiversity-for-food-agriculture/en/>
- Ensuring Food Security
- Adapting to Climate Change
- Reducing Environmental Degradation
- Protecting National Security
- Reducing Poverty
- Ensuring Sustainable Agriculture  
<https://www.croptrust.org/our-mission/crop-diversity-why-it-matters/>
- Partners in a Global System for the Conservation of Crop Diversity  
<https://www.croptrust.org/resources/landmark-partnership-guarantees-long-term-support-for-globally-important-collections-of-beans-and-forages/>

## Videos

- The CGIAR Genebank Platform and The Crop Trust  
<https://www.youtube.com/watch?v=ff8ilOVwuTc>
- Australian Grains Genebank  
<https://youtu.be/ZEt41BNIG4>
- Centre for Pacific Crops and Trees Genebank  
<https://www.youtube.com/watch?v=wFjn28NGdYc>
- Wild Crop Relatives  
<https://www.croptrust.org/news-events/videos/crop-wild-relatives/>
- Aussie seeds in the Global Seed Vault (ABC Landline 2018)  
<https://youtu.be/dIIC-rgE2iY>

## Module 7: Food loss & waste

### Projects

- Responding to emerging pest and disease threats to horticulture in the Pacific Islands  
<https://aciar.gov.au/project/hort-2016-185>
- Plant Health Clinic to benefit Samoan farmers  
<https://aciar.gov.au/media-search/news/plant-health-clinic-benefit-samoan-farmers>
- Rodent Control (non-chemical) in lowland irrigated rice  
<http://www.knowledgebank.irri.org/training/fact-sheets/pest-management/rats/rodent-control-non-chemical-in-lowland-irrigated-rice>
- Beyond Breeding: The potential of improved postharvest storage techniques for smallholder farmers  
<https://www.cimmyt.org/news/beyond-breeding-the-potential-of-improved-postharvest-storage-techniques-for-smallholder-farmers/>
- New Program to Cut Food Losses in Low Income Countries  
<https://aciar.gov.au/media-search/news/new-program-cut-food-losses-low-income-countries>

### Resources

- Food and Agriculture Organisation of the United Nations – FAO  
<http://www.fao.org/platform-food-loss-waste/en>  
<http://www.fao.org/sustainable-development-goals/indicators/12.3.1/en>
- Food and Nutrition Security to support sustainable food systems  
<http://www.fao.org/save-food/resources/presentations/en>
- Food Loss and Waste  
<https://www.ifpri.org/topic/food-loss-and-waste>
- Food Loss Research Dialogue  
<https://www.aciar.gov.au/media-search/events/food-loss-research-dialogue>
- Four things to know about food loss  
<https://aciar.gov.au/media-search/blogs/four-things-know-about-food-loss>
- Why Does Animal-Based Food Loss and Waste Matter?  
<https://academic.oup.com/af/article/10/4/48/5943504>
- Stop the Waste  
[https://cdn.wfp.org/2020/stop-the-waste/?utm\\_source=twitter&utm\\_medium=social&utm\\_campaign=202009\\_stopthewaste&utm\\_content=post](https://cdn.wfp.org/2020/stop-the-waste/?utm_source=twitter&utm_medium=social&utm_campaign=202009_stopthewaste&utm_content=post) – really good resource
- A new International Day with a difficult starting point  
<https://www.un.org/en/observances/end-food-waste-day/background>

- Chloropeth Mapping  
<https://www.datawrapper.de/>  
<https://wedocs.unep.org/handle/20.500.11822/35280>
- One-third of all food produced in the world is lost or wasted between farm and fork  
<https://flwprotocol.org/>
- Food loss and waste reduction, measurement and policy  
<http://www.fao.org/platform-food-loss-waste/en/>
- How can food loss and waste reduction best deliver climate benefits  
<https://ccafs.cgiar.org/news/how-can-food-loss-and-waste-reduction-best-deliver-climate-benefits>
- Food loss and waste must be reduced for greater food security and environmental sustainability  
<https://www.unep.org/news-and-stories/press-release/food-loss-and-waste-must-be-reduced-greater-food-security-and>
- SDG Target 12.3 on Food Loss and Waste: 2020 Progress Report  
<https://champions123.org/publication/sdg-target-123-food-loss-and-waste-2020-progress-report>
- Reducing Food Loss and Waste: Setting a Global Action Agenda  
<https://www.wri.org/publication/reducing-food-loss-and-waste-setting-global-action-agenda>
- Reducing Food Loss and Waste  
<https://www.slideshare.net/FAOoftheUN/save-food-asian-countries>
- Learn more about the Sustainable Development Goals  
<https://www.un.org/sustainabledevelopment/student-resources/>  
<https://worldslargestlesson.globalgoals.org/>

## Videos

- Food loss research program  
<https://www.youtube.com/watch?v=DGfjgrRDUUo&t=2s>
- Food Loss and Waste  
<https://www.youtube.com/watch?v=pxoz88-GXyk>
- 2020 International Day of Awareness of Food Loss and Waste  
<https://www.youtube.com/watch?v=qqK5kS8c59g&t=7s>
- Reducing food loss and waste is critical to achieving a sustainable world  
[https://www.youtube.com/watch?v=H\\_YjtKKTgu0](https://www.youtube.com/watch?v=H_YjtKKTgu0)
- Examples of media campaigns to raise awareness and create change  
<https://www.youtube.com/watch?v=b7noclenCYg&t=11s>  
<https://www.youtube.com/watch?v=ZvOMMURrBMV&t=120s>  
<https://www.youtube.com/watch?v=o-MLULKFae4>

- Interview with Maximo Torero – Chief Economist of the Food & Agriculture Organisation of the United Nations - FAO  
<https://www.youtube.com/watch?v=LZj04mXXRml>
- Action by ACIAR Australian Centre for International Agricultural Research  
<https://www.youtube.com/watch?v=ckWmuAvcvlw>
- Career Pathways to Agriculture for Development  
[https://www.youtube.com/watch?v=60-HXBsad\\_Y&t=58s](https://www.youtube.com/watch?v=60-HXBsad_Y&t=58s)
- Young Voices in International Agricultural Research for Development  
<https://www.youtube.com/watch?v=KxVhJ8fDjj4>
- What is the Australian Centre for International Agricultural Research (ACIAR) and what does it do?  
<https://youtu.be/Mc5-gSTlnY0>