

SDG 13 Climate Action

Overview

UQ plays a leading role in advancing systemic climate action through education, research and community engagement. UQ supports low-carbon transitions and is committed to reducing greenhouse gas emissions, aligning with global sustainability goals. Its educational initiatives include executive programs and community campaigns that promote climate literacy and empower informed decision-making. UQ collaborates with governments, NGOs and diverse communities to support the development of climate action plans and economic frameworks.

Research at UQ drives innovation in sustainable infrastructure, low-carbon materials and renewable energy. Projects like circular carbon manufacturing and field-testing alternative low-carbon concrete help communities adapt to climate impacts. UQ experts deliver targeted policy advice, network optimisation and national emissions frameworks to guide regulatory standards at local, regional and international levels.

Internationally, UQ fosters knowledge exchange through workshops and masterclasses on green hydrogen and climate justice. Its interdisciplinary approach connects science, policy and community, making UQ a key contributor to climate resilience and sustainability.

Through these efforts, UQ demonstrates a strong commitment to SDG 13, helping build a more sustainable and climate-conscious future.

Progress made in 2025 towards SDG 13 is reported here with reference to the following domains and enablers from UQ's Strategic Plan 2022-2025:

- learning and student experience
- research and innovation
- enriching our communities
- our global profile
- securing our future.

Related SDGs

- SDG 1 No poverty
- SDG 2 Zero hunger
- SDG 6 Clean water and sanitation
- SDG 7 Affordable and clean energy
- SDG 9 Industry, innovation and infrastructure
- SDG 14 Life below water
- SDG 15 Life on land.

Learning and student experience

UQ offers a variety of courses related to climate action, spanning different faculties and disciplines. Courses cover aspects of climate science, environmental management, policy, law, economics and agriculture.

To equip the next generation of leaders to address environmental challenges and shape a more sustainable future, UQ's postgraduate programs in environmental management provide a powerful pathway to making a positive impact, allowing students to undertake specialised training tailored to their professional goals through programs such as:

- Master of Environmental Management
- Graduate Diploma in Environmental Management
- Graduate Certificate in Environmental Management

These programs deliver an interdisciplinary curriculum designed to blend theoretical frameworks, field experience and industry insights. The coursework addresses critical global areas, including biodiversity protection, cutting-edge environmental technology integration and sustainable policy formulation, thereby delivering the advanced knowledge and hands-on skills required to facilitate long-term environmental outcomes.

Within this comprehensive curriculum, 5 representative courses that demonstrate the University's capacity building for climate action and sustainable development include:

- Conservation and Wildlife Biology (CONS6009)
- Environmental Problem Solving (ENCM7512)
- Introduction to Earth Observation Sciences (GEOM7000)
- Sustainable Business Practice (ENVM4525)
- Climate Change and Environmental Management (ENVM3115)

Research and innovation

UQ contributes significantly to SDG 13 through innovative research addressing climate change mitigation, adaptation and resilience. UQ's work spans sustainable urban design, renewable materials, tourism decarbonisation, energy transition, agriculture and policy engagement. These projects inform global and regional strategies, promote low-carbon technologies and foster interdisciplinary collaboration. From nature-based stormwater solutions to green hydrogen education and climate policy networks, UQ's research drives practical and scalable climate action. These efforts support informed decision-making, sustainable development and cross-sectoral partnerships, reinforcing UQ's role as a leader in climate-focused research and innovation.

UQ's 2025 contributions to SDG 13 included the following initiatives in sustainable infrastructure, low-carbon innovation and knowledge exchange.

UQ Climate Change Research Network

The UQ Climate Change Research Network connects expertise from across UQ to tackle the complex challenges of climate change. Drawing on disciplines including climate science, health, conservation biology, business and finance, psychology, architecture and

engineering, agriculture and food security, social sciences, law and political science, the network supports innovative approaches to climate change mitigation and adaptation.

The Network's research spans the breadth of climate change issues, including technical climate modelling, as well as how to adapt responses to climate change impacts on biodiversity, agriculture, built environments, the health sector and people and communities.

Highlights from 2025 include:

- the announcement of the ARC Industrial Transformation Training Centre for Climate-Resilient Water, led by Professor Steven Kenway, which is a major national research and training centre developing reliable, affordable, low-emissions and climate-resilient water systems through applied research, industry training, design challenges and partnerships.
- the appointment of Associate Professor Nina Lansbury to the Intergovernmental Panel on Climate Change as Australasia's Coordinating Lead Author for the 7th Assessment Report on Climate Change Impacts, Adaptation and Vulnerability (Working Group II).
- a report produced by Professor Flavio Menezes commissioned by the Australian Treasury providing independent, strategic advice to the Australian and New Zealand governments on reducing regulatory barriers to the Net Zero Transition.
- the development and application of a practical spatial planning framework to help reconcile Australia's renewable energy transition with the need to protect biodiversity, informing renewable energy policy in Queensland to ensure that infrastructure is located away from the highest areas of biodiversity value.
- research into the potential for biofuels from invasive environmental weeds, recognising the opportunity to address climate change and environmental protection simultaneously, with the study identifying species-specific processing requirements and ash-related constraints to optimise pellet production, reduce weed waste and support circular bioenergy supply chains.
- a 2025 project funded by the Sustainable Built Environment National Research Centre examining how housing and energy systems can jointly improve climate resilience, decarbonisation and wellbeing in regional and remote communities, using Yarrabah as the primary case study and undertaking household interviews, housing surveys, community engagement and industry workshops.
- continued work of the Net Zero Observatory, led by ARC Laureate Professor Matthew Hornsey, which designs strategies to build public trust in climate change research and accelerate industry action and community support for rapid decarbonisation. This includes publication of an article in *Nature Climate Change* on the promise and limitations of using GenAI to reduce climate scepticism.
- a publication on *Nature Climate Change on corporate emissions benchmarking*, led by Dr Saphira Rekker, recognising that effective climate change responses require action from the corporate sector.
- the event Centreing Indigenous peoples in the Carbon Offset Sector at UQ, which explored the possibilities and challenges in building carbon offset projects across sea

Country in Australia, with a specific focus on how an Indigenous rights-led and self-determined carbon economy in Australia might be realised.

- an ARC Industry Laureate awarded to Professor Karen McNamara to co-develop solutions to address climate-driven loss and damage in the Pacific.

Zero Net Emissions Agricultural Cooperative Research Centre (ZNE-Ag CRC)

The ZNE-Ag CRC is a major initiative brokered by UQ and the Queensland Department of Agriculture and Fisheries, now known as the Department of Primary Industries (DPI). This UQ-led national research centre brings together more than 70 partners to reduce emissions in agriculture. With A$300 million in funding, the Centre supports innovation in farming practices, technologies and supply chains. It aims to help Australia meet its climate targets while maintaining agricultural productivity. The CRC collaboration includes 16 major industry groups, all 6 Australian state governments and the Northern Territory, 10 universities, 3 Indigenous organisations and many Small to Medium-sized Enterprises (SMEs) and grower groups, making it a major contributor to climate-smart agriculture and sustainable food systems. In July 2025, the CRC formally launched a A$4.1 million collaborative trial to test biodegradable 'cattle capsules' designed for long-term livestock methane reduction. Additionally, the Centre deployed its 'From Paddock to Power' agrivoltaics initiative in September 2025 to co-locate solar arrays within active grazing fields, while establishing 2 new research projects to standardise greenhouse gas (GHG) accounting and develop low-cost emissions tracking for commercial primary producers.

Translating research into targeted solutions

In addition to these major collaborative initiatives, UQ researchers are contributing to the net-zero transition through a range of targeted research projects and industry partnerships that address decarbonisation, renewable energy and climate resilience, with notable examples including:

- Net Zero Australia (NZAu), which is a groundbreaking, collaborative research partnership between UQ, the University of Melbourne, Princeton University and international management consultancy Nous Group. Established in 2021, the project provides rigorous, technology-neutral and evidence-driven modelling to illustrate the scale, cost, pace and impacts of Australia's domestic and export energy transition. Backed by extensive industry and philanthropic support, NZAu translates detailed decarbonization pathways into practical, non-political actions framework to help governments, businesses and communities accelerate toward net-zero emissions while respecting social and environmental needs. 2025 highlights include:
  - introduced Phase 2 modelling to evaluate real-time national decarbonisation progress across diverse performance indicators.
  - provided independent data clarity revealing that lagging utility-scale solar, onshore wind and carbon capture infrastructure risks delaying Australia's 2050 target by a decade.
  - modelled and verified positive acceleration trends in domestic rooftop solar deployment, household energy storage capacity, and electricity transmission infrastructure upgrades.

  - developed localised policy support recommendations to address compounding annual growth targets required for industrial electrification and massive agricultural land abatement.

- Next-generation proton-conductive solid oxide electrolysis cells (P-SOECs), which is a pioneering initiative led by Professor John Zhu from UQ's School of Chemical Engineering to industrialise green hydrogen production. Awarded in 2025 through a prestigious A$4 million Australian Research Council (ARC) Industry Laureate Fellowship, as one of only eight awarded nationally, this research tackles commercialisation barriers by developing highly efficient, durable technologies that produce clean hydrogen using renewable energy. In close collaboration with prominent sector partners Direct Energy Holdings Pty Ltd and Hydrogen Solutions Ltd, the project bridges advanced academic research with commercial scaling to position Australian industry as a global leader in green hydrogen production. This strategic, industry-driven innovation provides a critical, scalable technological roadmap required to accelerate the global transition toward reliable and accessible clean energy systems.
- Tuning Reaction Pathway with Surface Metal Cocatalyst for Ethylene Production via Photocatalytic Methane Conversion, a paper published in 2025 by UQ researchers, which highlights their work to develop a cleaner, highly efficient method to convert the potent greenhouse gas methane into valuable ethylene. This breakthrough utilised a novel palladium-gold alloy catalyst combined with titanium dioxide, harnessing intense sunlight to drive the reaction at room temperature and eliminating the energy-intensive high temperatures required by traditional fossil-fuel-powered processing. Following successful laboratory testing, the technology is envisioned for future deployment across 2 primary scales: decentralised configurations integrated directly into livestock facilities to capture agricultural emissions, and large-scale industrial configurations where photocatalyst beds are paved onto factory or mining site rooftops. To ensure economic viability for mass adoption, the research team is currently exploring replacing the expensive gold components with cheap, widely available iron.

Enriching our communities

UQ actively contributes to SDG 13 by collaborating with NGOs, governments and communities on diverse initiatives focused on climate change mitigation, adaptation, infrastructure optimisation, and disaster risk planning. Throughout 2025, UQ informed state and global environmental standards, patented low-emission industrial technologies, and shaped national economic and risk-financing agendas to build structural resilience against climate-related emergencies. UQ's interdisciplinary approach empowers informed action and strengthens resilience, demonstrating leadership in climate-focused education and collaborative planning.

Climate planning, adaptation, and ecosystem governance

Throughout 2025, UQ contributed towards practical adaptation strategies designed to empower both vulnerable coastal communities and regional authorities in navigating climate change. Two key initiatives, the Coral Reef Rescue Project and the Queensland Decarbonisation Hub, focused efforts on delivering the digital tools and scientific data to support conservation for changing reef environments and collaborating on the development of productive climate policy, respectively. Both engaged in a range of

collaborative activities and projects that combine research, innovation and community engagement to make progress towards SDG 13.

Coral Reef Rescue: Resilient Coral Reefs, Resilient Communities Project

The global pressure of climate change and local human-induced pressures are contributing to the rapid deterioration of coral reefs ecosystems, jeopardising the lives of millions of people who rely on them. The Global Environment Facility (GEF)-funded Coral Reef Rescue (CRR) project is a multi-stakeholder project implemented through the World Wildlife Fund (WWF). The project execution team is led by UQ in partnership with project country Focal National Government Ministries and National Technical Partners. The project is working to safeguard globally significant climate refuge reefs in 6 countries: Fiji, Solomon Islands, Indonesia, Philippines, Madagascar and Tanzania. In 2025, a new Coral Reef Rescue Portal was launched, bringing together 70 existing coral reef datasets and resources in an easy-to-use platform. This tool is designed to bridge science and on-the-ground conservation. It helps marine managers and conservation practitioners make informed decisions by identifying the most suitable free resources for their projects from the vast array available online. Alongside these new resources, the GEF 7 CRR Project team at UQ delivered a series of online and in-person events across all 6 countries, including:

- an online webinar in partnership with Coral Reef Rescue Initiative (CRRI) and Chris Wagner, an expert in conservation finance and the blue economy
- in-person orientation of the online courses and the Coral Reef Rescue Portal in Tanzania
- three online training sessions for the Coral Reef Rescue Portal
- a virtual presentation to the Indonesian National Hub.

The team also participated in numerous international conferences, including the Pacific Islands Ocean Conference in the Solomon Islands, the WIOMSA Conference in Kenya, the UN Oceans Conference in France and the ReefCloud Pacific Regional Workshop in Australia, while conducting several site visits.

Queensland Decarbonisation Hub

The Queensland Decarbonisation Hub is a multi-institutional initiative funded by the Queensland Government and led by UQ's Centre for Policy Futures. The Hub works in direct partnership with the government, providing expert advice on how to achieve net-zero emissions and lead the state's approach to climate adaptation. This is done through interdisciplinary research that is demand-driven and collaborative, policy brokerage that enables two-way dialogue with decision-makers, policy advice that is scoped and timed to inform live decisions, and outputs and deliverables that are designed for system-level influence. Connecting Queensland universities, industry, government and communities, the Hub draws together existing decarbonisation knowledge to develop research and policies that can support the state's industries and communities while safeguarding and enhancing its natural environment.

During 2025, the Hub provided expert advice to government through a range of strategic research, engagement and knowledge translation activities including:

- launched a co-designed research partnership with the Queensland Farmers' Federation to examine pathways for agricultural decarbonisation and regional transition.
- conducted an Interim Hub Review, including extensive stakeholder consultation, to strengthen the Hub's strategic direction, governance and research priorities.
- delivered a series of webinars for government, researchers and industry on the Queensland Government's Net Zero Plan, the launch of the Hub's 8 new research projects and decarbonisation of the health sector, covering regulatory and policy themes such as 'Healthcare sustainability – measuring and managing greenhouse gas emissions' on 18 March and 'Queensland's Pathway to Net Zero' on 20 May.
- collaborated with NGO People for Nature through participation in AlterCOP 30 Australia, facilitating citizen engagement, biodiversity literacy and participatory learning experiences, and helping translate complex climate information into accessible formats that inspire understanding and action.
- undertook more than 50 targeted engagements across Queensland Government agencies, universities, industry, national organisations and community stakeholders to strengthen collaboration, identify emerging policy priorities and support research translation.

During 2025, the Hub also produced a range of research and policy outputs to inform government decision-making including:

- Building an Investment Pipeline to Decarbonise Regional Queensland: Pathways for Positive Action, examining opportunities to strengthen regional investment and economic development in support of Queensland's decarbonisation objectives
- a draft Sector Plan Report, Queensland Climate Pathways Review 2025: Sectoral Emission and Technology for a Resilient, Low-Emissions Future, prepared in collaboration with Queensland Treasury, to support Queensland's sector-based decarbonisation planning.

Climate Change Program

Delivered by UQ Business School Executive Education in partnership with the Chartered Banker Institute, the Climate Change Program equips leaders in industry and the public sector with the knowledge to address climate risks, develop mitigation strategies and drive sustainability across sectors. Participants engage with world leading researchers and practitioners to explore topics such as climate science, net-zero pathways, climate reporting and corporate strategy for climate change. Building on the success of the inaugural program launched on World Environment Day, Professor Belinda Wade continued her work with Bank of Queensland (BOQ) to strengthen climate capability across the organisation. In 2025, the 'Climate Change: Principles of Responsible Banking program' provided participants with a foundational understanding of climate change risks, opportunities and their application within the banking sector. Through a combination of online learning modules, facilitated workshops and practical reflection activities, more than 80 leaders, executives and board members developed their knowledge of climate-related issues and built the skills required to respond effectively to the evolving regulatory landscape. As a key component of BOQ's climate readiness strategy, the program

supported capability development for mandatory climate-related disclosures under the *AASB S2 Climate-related Disclosure Standard*. Participants applied their learning to develop role-specific climate action plans, helping translate climate knowledge into practical organisational action and supporting BOQ's broader commitment to responsible banking and climate resilience.

Inform and support government

UQ partners with government to help prepare for climate-related risks through projects that inform policy, improve infrastructure, and guide environmental decisions at local, regional, and international levels. Activities in 2025 included a range of collaborative initiatives, such as:

- Green Electrochemical Transformation of CO2 (GETCO2), which is a UQ-based ARC Centre of Excellence dedicated to transforming carbon dioxide from a climate liability into a valuable resource. This A$45 million, 7-year initiative unites 7 Australian universities, industry and government to develop electrochemical technologies that convert CO2 into fuels and chemicals. The Centre is advancing innovations in catalysis, electrolysers and scalable CO2 conversion systems. With a strong focus on training future experts, GETCO2 aims to support Australia's circular carbon economy and lead global efforts toward net-zero emissions by 2050. In November 2025, the Centre convened its national conference and hackathon, mobilising 112 international researchers, students and industry mentors. The collaborative initiative peer-reviewed 54 active research project posters spanning four core scientific themes including advanced catalysts, electrodes and membranes to establish the operational and life-cycle priorities required to scale electrochemical carbon-recycling infrastructures.
- Integrating Transport Planning with Road Network Optimisation project, which is a collaborative technical initiative delivered in partnership with the Queensland Department of Transport and Main Roads (TMR) and iMOVE CRC. The project officially released its final research outcomes in April 2025, which delivered a performance-based multimodal network management framework and a prototype visualisation system designed to seamlessly align long-term strategic urban transport planning with real-time operational traffic control, directly improving infrastructure efficiency and reducing congestion-related carbon emissions.
- Brazil Tourism Greenhouse Gas Emissions Inventory, which is an international research project led by UQ to develop the first comprehensive tourism emissions framework among Latin America and the Caribbean countries. Launched in partnership with Brazil's Ministry of Tourism and UN Tourism at the COP30 Tourism Thematic Day in Belém on November 2025, the project utilises quantitative evaluation methods following the UN Statistical Framework (SF-MST) to provide a robust evidence base for national climate policy and Brazil's Nationally Determined Contributions (NDCs). To ensure lasting impact, the project includes institutional capacity-building through 3 webinars training stakeholders across Brazil's tourism ecosystem on emissions modelling, reporting procedures and data application for policy development.
- research commissioned by the Australian Treasury and led by Professor Flavio Menezes from the UQ School of Economics to develop an economic framework for

regulatory standards supporting Australia's transition to a net-zero economy. Following consultation with more than 20 government agencies across Australia and New Zealand, the report was endorsed by both governments to inform reforms under the renewed National Competition Policy. To ensure lasting impact, the research subsequently informed discussions on Australia's long term economic reform agenda at the Treasurer's Economic Reform Roundtable to support evidence-based policy development.

- research led by Professor Paula Jarzabkowski from the UQ Business School to inform how governments, insurers and international organisations respond to the growing global disaster insurance protection gap. This project developed practical frameworks to evaluate Protection Gap Entities providing insurance for disaster risks that are otherwise difficult or impossible to insure, and these frameworks have been adopted by governments and insurance organisations internationally. During 2025, key concepts from the research were adopted by the Climate and Community Institute in its October 2025 report, Protection or Profit: Transforming Home Insurance for Resilience and Affordability, and the work was showcased through a keynote presentation at the 2025 AON 18th Biennial Hazards Conference to demonstrate the continuing uptake of UQ research by international policy and industry organisations working to strengthen disaster resilience.

Our global profile

By developing and distributing resources, building capacity, and collaborating on cross-sectoral engagement in the Asia–Pacific and beyond, UQ’s efforts to contribute progress towards SDG 13 in 2025 have global reach.

Tourism destination decarbonisation toolkit

The Toolkit, developed by UQ to help tourism destinations build climate mitigation capacity and decarbonise tourism, is based on research and real-world case studies and provides practical strategies across 9 decarbonisation areas. It is designed for destination management organisations (DMOs) to develop a coherent and comprehensive climate mitigation plan for systemic change and includes a mobile-friendly website to increase accessibility. In 2025, the toolkit was disseminated internationally and nationally as a practical resource to support climate action in tourism destinations. Internationally, the research informed European policy through expert contributions to the 2025 VivaCITY whitepaper, the CETT Tourism Policy Dialogue in Spain and international keynotes across Europe and Peru. Nationally, the toolkit was translated into practice through applied workshops with Capricorn Coast stakeholders and Ecotourism Australia certified destinations, translating research into actionable climate governance frameworks to support SDG 13 through more responsible tourism planning.

Australia Awards

In 2025, UQ International Development (UQID) successfully delivered 9 complementary capacity-building programs under the Australia Awards framework in Southeast Asia, deeply integrating Gender Equality, Disability, and Social Inclusion (GEDSI) principles into regional climate resilience planning. Going beyond traditional approaches, these programs strengthened participants' understanding of climate change impacts and responses while

building capability to apply GEDSI principles across climate adaptation and disaster risk reduction activities. To demonstrate UQ's profound regional impact, 4 specific programs that directly drive an ecological and social twin-transformation for climate action.

Australia Awards alumni engagement program in the Philippines

UQID contributed to international capacity building in the Philippines through delivery of the Australia Awards Alumni Engagement Program 'Philippines Improving Competencies in Gender Equality, Disability, and Social Inclusion and Climate Resilience Planning and Change Management' short course. The program was funded by the Australian Government through the Department of Foreign Affairs and Trade, managed by the Australia Awards and Alumni Engagement Program Philippines, and delivered by UQID in conjunction with DevConsult Inc. The course was led by Dr Prudence Brown from UQ's School of Political Science and International Studies and Dr Eva Abal from the International River Foundation and UQ Australian Centre for Water and Environmental Biotechnology, and delivered to 29 scholars between January and June 2025, combining in-country and online engagement. Through its focus on GEDSI, climate resilience planning and change management, the program aligns with multiple SDGs by supporting education and capability-building, inclusive planning, gender equality, disability inclusion and climate resilience.

Australia Awards short course on Climate Change in Myanmar

Building on the successful delivery of the 2024 iteration, UQ led a 2nd Australia Awards Myanmar short course on Climate Change in 2025. Delivered in partnership with the Thailand Environment Institute, the program engaged 24 mid-career professionals from Myanmar, including representatives from non-government organisations, civil society organisations and the private sector. The program was designed and delivered by UQID in collaboration with experts from UQ and partner organisations to strengthen participants' understanding of climate change impacts, carbon offsets, nature-based solutions and responses to flooding and sea-level rise. Working across fields including environmental conservation, social services and project management, participants built practical capabilities to integrate GEDSI principles across regional climate adaptation and disaster risk reduction activities. Learning outcomes included developing strategies to identify barriers to inclusion, integrating GEDSI frameworks across program design and creating participant-led Return-to-Work Plans with measurable objectives to address climate change impacts. Featuring an international study program in Thailand that facilitated peer learning with leading regional organisations, the initiative supported more inclusive, equitable responses to climate change while strengthening regional climate leadership.

Australia Awards Climate Change Masterclass in Laos

UQID designed and delivered the Australia Awards Climate Change Masterclass in Laos between May and July 2025. Delivered across Vientiane, Brisbane, Canberra and online, the program aimed to strengthen participants' understanding of climate change and enhance their ability to develop and implement inclusive programs and policies that contribute to national climate ambition and sustainable development in Laos. The masterclass engaged 30 participants from Laos, including representatives from national government agencies, international development organisations, non-government organisations and industry. The program comprised an in-country masterclass in Vientiane

from 5 to 9 May 2025, an Australia-based masterclass in Brisbane and Canberra from 19 to 23 May 2025, and a post-course workshop delivered online on 29 July 2025. UQ's delivery team designed the course to align learning with workplace and sector priorities through participant-led Professional Development Plans. Training topics included foundational climate science based on Intergovernmental Panel on Climate Change (IPCC) frameworks, national and regional climate risk analysis, carbon accounting, sustainable energy systems, abatement strategy development, climate finance design, carbon offset frameworks and climate adaptation planning. By strengthening climate knowledge and supporting these cross-sector participants, the program contributed to climate action capability, evidence-informed decision-making and regional engagement on sustainable development challenges in Laos.

Australia Awards short course on Climate-smart Agriculture in Indonesia

The 2025 Australia Awards short course on Climate-smart Agriculture for Healthy and Sustainable Food Production was delivered by UQID and led by researchers from UQ's School of Agriculture and Food Sustainability. The course aimed to introduce policymakers and policy advocates to climate-smart agricultural practices and innovations that support the sustainability of Indonesia's agriculture and food production systems. It addressed the challenges posed by climate change while strengthening approaches to managing on-farm natural resources and capital, and explored links between climate-smart agriculture, nutrition outcomes and broader community health, including improved access to affordable and diverse food. The course objectives were identified through consultation with the Australian Embassy in Jakarta and key Indonesian stakeholders and were further refined during the pre-course workshop to align with participants' individual learning goals. These objectives focused on benchmarking and best practice in food production and food security, increasing agricultural productivity, analysing nutrition outcomes, promoting inclusive climate-smart agriculture practices and strengthening professional and institutional networks with Australian counterparts. The program engaged 25 participants from early to mid-level positions across Indonesia's private sector and central, local and national government institutions. Participants were required to complete Award Projects, including discussions, workshops, field observations and participatory learning activities with farmers in Bukit Terak Village, to apply course learning to their professional contexts. The course also emphasised ongoing networks through mentoring webinars, alumni engagement and participant-led Award Projects implemented in Indonesian institutional and community contexts.

Securing our future

UQ's Sustainability Strategy 2021-2025 demonstrates a clear vision of a low carbon and sustainable future for UQ. The University continues to take actions towards a low-carbon energy future. This includes:

- actively tracking low-carbon energy usage and implementing comprehensive energy monitoring systems that measure the proportion of energy sourced from low-carbon and renewable sources, including solar.
- behind-the-meter solar PV installations on numerous buildings across 4 campuses, totalling approximately 5MW and a 1MW/2MWh battery storage system plus 3 ML chilled water storage system.

- embarking on a building audit program to identify energy saving opportunities. The first building was completed and identified potential savings of approximately 3 per cent through standardisation and optimisation of cooling and heating setpoints and alignment of automation time scheduling on HVAC assets.