



Australia Awards

STEM EDUCATION CONFERENCE 2025



31 October - 2 November 2025

Hilton, Port Moresby





Australia Awards

WhatsApp Group

Join the WhatsApp group for daily updates during the STEM Conference 2025.

<https://chat.whatsapp.com/CivyXkmyiZglgJziHIXFG6>



Conference Hotline

Direct all communication around queries, attendance (e.g. reporting in ill) and any logistics challenges (e.g. delayed flights) to the Conference Hotline: +675 7154 9839

Mobile and WhatsApp message or calls, available from 7am to 8pm.

Welfare Support

Welfare Officers are on site to support delegates during the conference. This includes support in wellbeing, liaising with the hotel and any non-emergency medical needs (e.g. advice on where to seek medical attention). WhatsApp message is the preferred method of communication (7am until 10pm).

1. Mr Raymond Harold +675 7920 4772

2. Ms Medi Reta +675 7111 4467

Emergency Support

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Emergency No: +675 7111 4439

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NAME:

MOBILE:

CONFERENCE ID NUMBER:



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STEM EDUCATION CONFERENCE 2025

SCHEDULE

Day 1

8:30am - 5:15pm

Friday 31 October 2025

Day 2

8:15am - 4:45pm

Saturday 1 November 2025

Student Exhibition

11:15am - 12:25pm

Saturday 1 November 2025

Event Dinner

6:30 - 8:30pm

Saturday 1 November 2025

Day 3

9:15am - 4:00pm

Sunday 2 November 2025

CONFERENCE OBJECTIVES

- Build the capability of PNG educators to teach STEM
- Develop PNG educators' confidence to teach STEM in inclusive environments
- Develop and apply pedagogical skills of STEM to build sustainable practice through utilising real-world problems
- Build partnerships and strengthen people-to-people links between PNG and Australia

CONFERENCE THEMES

STEM: Problem-solving, Critical Thinking and Innovation

Pedagogical strategies to build innovation and critical thinking skills.

Diversity and Inclusion of Girls

Practical approaches to promote the inclusion of girls and marginalised groups in STEM.

Sustainability in Pedagogical Practice

Real-world applications of STEM to drive sustainability through teaching practices.

Hands-on STEM Workshops:

Interactive and engaging workshops focused on effective teaching and learning.



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CONFERENCE WELCOME

On behalf of Australia Awards Papua New Guinea, we warmly welcome you to the STEM Education Conference. We are proud to be working in partnership with STEM Punks Education to deliver this innovative and exciting professional learning opportunity for Papua New Guinean educators.

This conference brings together passionate educators, industry leaders, researchers, and innovators to share knowledge, exchange ideas, and collaborate on the future of STEM education and innovation across Papua New Guinea.

Over the coming days, you will have the opportunity to:

- *Engage in inspiring plenary sessions and practical workshops.*
- *Connect with colleagues and peers from across the educational spectrum.*
- *Explore innovative approaches to STEM that empower young people with future-ready skills.*
- *Showcase and celebrate the achievements of students, teachers, and communities leading change in STEM.*

Together, we are building a vibrant community that champions creativity, critical thinking, and collaboration – all essential to tackling the challenges and opportunities of tomorrow.

We invite you to immerse yourself fully, share your expertise, and take away ideas that can make a real impact in your own context.

Welcome to this exciting journey of discovery, innovation, and connection.

Proudly Delivered in Partnership with

STEMPunks[®]
E D U C A T I O N



OUR SHARED COMMITMENTS

Safe Space

In order for each person in our team to thrive, we need to ensure that we are working in a safe space. This means: Looking after our own and each other's physical wellbeing (drink water, take breaks, stretch, move, seek daylight, fresh air). Creating a safe psychological space by treating everyone with respect, acknowledging and valuing contributions, and refraining from being judgemental or negative. Allowing mistakes to be seen as learning opportunities, which encourages risk-taking and innovation. Research tells us that having a safe psychological work environment is the biggest factor in effective teams.

Share the Air

To work effectively together, we must value and listen to all voices. If you tend to dominate conversation, step back and let others contribute. If you're shy, be courageous and step up. Everyone is actively encouraged to participate and share the air.

Be Mindful

It's easy for our minds to wander. When working together, try to be present in the moment. If you need to check email, take a phone call, or pause to gather thoughts, let your team know. Re-join when you can be present and engaged.

Hold Your Ideas Lightly

Sometimes we become so attached to ideas that we resist feedback. Ideas are meant to grow through sharing. If we hold on too tightly, ideas may stagnate. Openness to change allows growth.

Be Kind, Specific and Helpful

Feedback is most productive when it's delivered well:

- Kind (but realistic): Avoid empty praise—be honest while maintaining respect.
- Specific: Focus on clear, actionable details.
- Helpful: Offer feedforward—practical advice that supports improvement.

Be Aware of Your Assumptions and Biases

We are human, so we bring assumptions and biases to situations. Awareness helps us minimise negative impact. By acknowledging differences, we can reduce misunderstandings and work more inclusively.



KWL ACTIVITY

The KWL framework is a simple but powerful way to capture learning and reflection throughout the conference. Use the three stages to guide your thinking:

K – What I Know

Start by noting what you already know about STEM education, innovation, and industry in Papua New Guinea. This is your chance to bring your own expertise, context, and prior experiences to the table.

W – What I Want to Learn

List the questions you have and the areas you hope to explore during the conference. These could be linked to teaching practice, student engagement, industry collaboration, or new technologies.

L – What I Learned *

At the end of the sessions or the conference, reflect on the insights you've gained. Capture the key takeaways, new connections, and ideas you can apply in your own work or community.

KNOW

What I
already
know

WANT

What I
want to
learn

**Note: To be completed on Day 3 during the conference conclusion*

LEARNT

What I
have
learnt



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DAY 1

31.10.2025 | 8:30AM - 5:15PM

7:30am	Workshop Presenters check-in / briefing	Daru 1
8:00am	Delegate check-in	Banquet Hall 1,2
8:30am	Conference Introduction, Purpose and KWL Australia Awards PNG and STEM Punks Education	Banquet Hall 1,2
9:00am	Plenary 1A: Conference Welcome H.E. Ewen McDonald — Australian High Commissioner to Papua New Guinea Representative of the Government of Papua New Guinea	Banquet Hall 1,2
9:30am	Plenary 1B: Thomas Israel Alope Murdoch University	Banquet Hall 1,2
	Workshop 1A: Elias Wranga Cross Country School of Excellence	Tabubil (4), Hekari (5) Sisibia (6)
10:05am	Workshop 1B: Pauline Suvi Sogeri National School of Excellence	Banquet Hall 3
	Workshop 1C: Sean De Clerck Questacon	Pimaga (2), Moro (3)
11:25am	TEA BREAK	Foyer (Ground & Level 1)
11:45am	Plenary 2A: Moses Gigmai Kerevat National School of Excellence	Banquet Hall 1,2
12:30pm	Plenary 2B: Chitra-Niss Asa St Peter Chanel Catholic College of Secondary Teacher Education	Banquet Hall 1,2



DAY 1

31.10.2025 | 8:30AM - 5:15PM

1:15pm

LUNCH

Banquet Hall 1,2

Workshop 2A: Ai-Lynn Soli and Chie Soli
Youth Representative – Centre for FutureNau

Pimaga (2), Moro (3)

2:05pm

Workshop 2B: Francesca Lemmie, Liam Birkett,
Jonah Dayonga, Kurangpin Marangun,
Carmella Azagoni, Lynne Kaur,
Kori Memhere, Primrose Narara
Zoo's Victoria and Port Moresby Nature Park

Banquet Hall 3

Workshop 2C: Anna Antonijevic, Phillipa Darius,
Pauline Suvi, Linda Gasape, Sophia Soli,
Mary Apeari Hau, Irene Uli, Rebecca Molis
OI Lida Meri Round Table

Tabubil (4), Hekari (5)
Sisibia (6)

3:30pm

AFTERNOON TEA

Foyer (Ground & Level 1)

4:00pm

Plenary 2A: Glenda Pomaleu
Port Moresby National School of Excellence

Banquet Hall 1,2

4:30pm

Plenary 2B: Elias Wranga
Cross Country School of Excellence

Banquet Hall 1,2

5:00pm

Day 1 Wrap-up and Evaluation

Banquet Hall 1,2

6:00pm

Buffet Dinner until 8pm

Banquet Hall 1,2



DAY 2

1.11.2025 | 8:15AM - 4:45PM

7:30am	Workshop Presenters check in / briefing	Daru 1
7:45am	Delegate check-in	Banquet Hall 1,2
8:15am	Day 2 Welcome Australia Awards PNG and STEM Punks Education	Banquet Hall 1,2
8:30am	Plenary 3A: Professor Rekha Koul Curtin University	Banquet Hall 1,2
9:00am	Plenary 3B: Pauline Suvi, Kenny Pawa, Elias Wranga, Phillipa Darius Moderated by Anna Antonijevic Panel Discussion – Inclusion and Risk-taking in STEM	Banquet Hall 1,2
	Workshop 3A: Dr Stella Bachtis, A/Prof Anton Jordaan Australian Skills Development Institute	Tabubil (4), Hekari (5) Sisibia (6)
9:35am	Workshop 3B: David Broun, Robert Congoo, Elias Wranga Department of Education Western Australia, Yooribaya Cultural Experiences	Banquet Hall 1,2
	Workshop 3C: Dr Adrian Bertolini Intuyu Consulting	Banquet Hall 3
10:55am	TEA BREAK	Foyer (Ground & Level 1)



DAY 2

1.11.2025 | 8:15AM - 4:45PM

11:15am	Student Exhibition Various Schools	Foyer (Level 1)
12:45pm	LUNCH	Banquet Hall 1,2
	Workshop 4A: Chris Buswell, Michael Holmstrom STEM Punks Education	Tabubil (4), Hekari (5) Sisibia (6)
1:35pm	Workshop 4B: Shoaib Alam, Emily Bargel Paradise College	Pimaga (2), Moro (3)
	Workshop 4C: Jess Silva Questacon	Banquet Hall 3
3:00pm	AFTERNOON TEA	Foyers (Ground & Level 1)
3:30pm	Plenary 4A: Dr Craig Sims Curtin University	Banquet Hall 1,2
4:00pm	Plenary 4B: Dr Rosianna Lagi The University of the South Pacific	Banquet Hall 1,2
4:30pm	Day 2 Wrap-up and Evaluation	Banquet Hall 1,2
4:45pm	BREAK	
6:30pm	Event Dinner	Banquet Hall 1,2



STUDENT EXHIBITION

Purpose

The Student Exhibition & Workshop provides students with the opportunity to:

- Showcase innovations linked to sustainability, entrepreneurship, and STEM for impact.
- Engage with mentors to refine and strengthen ideas.
- Connect with peers, industry leaders, and government delegates.

Morning Exhibition

Students will showcase their projects across three key themes:

- Sustainability & Community – projects that support environmental care, wellbeing, and community resilience.
- Entrepreneurship & Innovation – turning creative ideas into sustainable, scalable ventures.
- STEM for Impact – tackling challenges in agriculture, energy, climate, and education.

Delegates are encouraged to explore the exhibition, engage directly with students, and learn how STEM is being applied to address pressing challenges.

Afternoon Workshops

Facilitated by Dr Anton Jordaan (ASDI), Adjunct Professor of Entrepreneurship and Innovation, University of Adelaide, the workshops will guide students in strengthening and refining their projects:

- **Workshop 1:** Entrepreneurship of Student Innovations – an interactive session helping students shape their projects into sustainable, commercialisable ventures for their communities.
- **Workshop 2:** Peer Feedback and Refinement – students present ideas, receive peer and mentor feedback, and develop pathways for real-world impact.

11:15am – 12:45pm

Student Exhibition

Foyer (Level 1)

1:30pm – 2:25pm

Student Workshop 1
A/Prof Anton Jordaan, Dr Stella Bachtis

Banquet Hall 1,2

2:30pm – 3:00pm

Student Workshop 2
A/Prof Anton Jordaan, Dr Stella Bachtis

Banquet Hall 1,2



STUDENT EXHIBITION

REFLECTIVE QUESTIONS

During the Student Exhibition, delegates are encouraged to explore student innovations, reflect on the learning behind each project, and connect with new colleagues to exchange ideas. These reflective questions are designed to spark dialogue around how similar practices could be adapted, implemented, and scaled within your own institution.

1. Observation and Inspiration

- What immediately stood out to you about the projects – the idea, the process, or the outcome?
- How did the students demonstrate creativity and problem-solving in their approach?

2. Learning Design and Pedagogy

- What learning design elements (e.g. inquiry, design thinking, PBL) can you identify in this project?
- What evidence of student agency or ownership do you see in this exhibition?

3. Implementation and Adaptation

- How might this idea be adapted to suit your local context or community?
- Which resources or partnerships would make this kind of project possible at your institution?

4. Connection and Action

- In what ways might this exhibition model strengthen inclusion, diversity, or local relevance in STEM?
- What's one small change you could make tomorrow to begin moving toward this kind of learning?



DAY 3

2.11.2025 | 9:15AM - 4:00PM

8:30am	Workshop Presenters check in / briefing	Daru 1
8:45am	Delegates check in	Banquet Hall 1,2
9:15am	Day 3 Welcome Australia Awards PNG and STEM Punks Education	Banquet Hall 1,2
	Workshop 5A: Dr Rosianna Lagi The University of South Pacific	Banquet Hall 3
9:30am	Workshop 5B: Professor Jason Lodge University of Queensland	Tabubil (4), Hekari (5) Sisibia (6)
	Workshop 5C: Louisa Opu St Peter Chanel College of Secondary Teacher Education	Pimaga (2), Moro (3)
10:55am	TEA BREAK	Foyer (Ground & Level 1)
11:25am	Plenary 5A: Anna Antonijevic, Pauline Suvi, Chris Buswell, Elias Wranga Conference Reflections	Banquet Hall 1,2
11:55am	LUNCH	Banquet Hall 1,2



DAY 3

2.11.2025 | 9:15AM - 4:00PM

Workshop 6A: Derek Ranclaud
Sunshine Beach State High School

Banquet Hall 3

12:55pm

Workshop 6B: Dr Kevin Soli
Centre for FutureNau

**Tabubil (4), Hekari (5)
Sisibia (6)**

Workshop 6C: Francis Tongapi
Aiyura National School of Excellence

Pimaga (2), Moro (3)

2:35pm

Conference Close
Justine Jarrett, Second Secretary, Education & Leadership
Australian High Commission, Port Moresby
Representative of the Government of Papua New Guinea

Banquet Hall 1,2

3:30pm

Evaluation

Banquet Hall 1,2

4:00pm

Break

6:00pm

Buffet Dinner until 8pm

Banquet Hall 1,2



DAY 1 - PRESENTER AND SESSION INFORMATION

PHOTO	PRESENTER	SESSION INFORMATION
	Thomas Israel Alope <i>Murdoch University</i>	Design Thinking: A Transformative Approach of Improving Teacher Educators' Practice of Evidence-Based Teaching Methods in STEM: This presentation explores how Design Thinking enhances problem-solving and critical thinking among teacher educators in STEM education programs, particularly within tertiary education in developing countries, like Papua New Guinea.
	Elias Wranga <i>Cross Country School of Excellence</i>	The Pedagogies of Integrated STEM: This session explores how schools can bridge STEM theory and practice to foster creativity, innovation, and entrepreneurship. Drawing on a model STEM school, it highlights how intentional lesson design supports curiosity, collaboration, and critical thinking through hands-on, project-based learning. Participants will discover how integrating Visible Learning pedagogies across the About-For-Through framework enables students to act as researchers, engineers, and innovators while achieving stronger academic outcomes.
	Pauline Suvi <i>Sogeri National School of Excellence</i>	STEM Bilong Ol Lida Meri: Practical Approaches to Engage Girls and Marginalised Youth in Real-World Learning. This hands-on workshop explores inclusive and culturally relevant STEM approaches to increase the participation of girls and other marginalised youth in science and technology education.
	Sean De Clerck <i>Questacon</i>	Starting in STEM with Questacon: This starting in STEM workshop is a dynamic, hands-on professional development designed specifically for educators beginning their STEM education journey. It focuses on teaching STEM with empathy, place and purpose.
	Moses Gigmai <i>Kerevat National School of Excellence</i>	Sustainability in STEM Education: This workshop deals with real-world applications of STEM practices that emerge as a critical focus to drive sustainable teaching practices. This can help build and shape students into innovators of tomorrow.



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DAY 1 - PRESENTER AND SESSION INFORMATION

PHOTO	PRESENTER	SESSION INFORMATION
	Chitra-Niss Asa <i>St Peter Chanel Catholic College of Secondary Teacher Education</i>	Becoming a STEM Catalyst: Empowering Girls and Marginalised Groups in PNG: A STEM Catalyst empowers diverse learners without burning out, sparking change and building confidence in STEM. This presentation shares strategies that helped me grow as a catalyst and offers practical ways to support girls, rural students, and other marginalised groups in PNG to gain skills and thrive in STEM.
	Ai-Lynn Soli and Chie Soli <i>Centre for FutureNau</i>	AgriTech and the Black Soldier Fly: Focusing on "black soldier fly" to convert organic waste into accessible, affordable and alternative feed and fertiliser as a green solution in the circular economy and STEM education and Girls in ICT by using drones, VR/AR and AI.
	Francesca Lennie and Liam Birkett <i>Zoo's Victoria & Port Moresby Nature Park</i>	Design Thinking for Wildlife Conservation: Zoos Victoria harnesses the power of design thinking to equip students with the tools and mindset needed to tackle real-world challenges faced by conservation scientists. Learn about how to use creative problem-solving and spark a deeper understanding of how design thinking can drive meaningful change in conservation.
	Anna Antonijevic, Phillipa Darius, Pauline Suvi, Sophia Soli, Linda Gasape, Mary Apeari Hau, Irene Uli, Rebecca Molis <i>OI Lida Meri Round Table</i>	Round Table OI Lida Meri - Women in Education Network will bring together a diverse group of leaders to share stories of change and highlight the strategies, practices and leadership that enabled progress of the national STEM agenda.
	Glenda Pomaleu <i>Port Moresby National School of Excellence</i>	Sustainable by Design: Embedding Real World STEM Applications for Lasting Pedagogical Impact. A framework for embedding real-world STEM applications into classroom practice that supports both effective pedagogy and sustainable teacher practices will be shared.



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DAY 2 - PRESENTER AND SESSION INFORMATION

PHOTO	PRESENTER	SESSION INFORMATION
	Professor Rekha Koul <i>Curtin University</i>	STEM Learning and Cultural Immersion for PNG Teachers in Australia. The presentation reports on a project wherein 30 teachers and teacher educators from Papua New Guinea were provided with a unique opportunity to enhance their STEM teaching skills during a 12-week-long course in Australia.
	Dr Kevin Soli, Pauline Suvi, Kenny Pawa, Phillippa Darius, Anna Antonijevic	Inclusion and Curriculum through STEM / Risk Taking in Teaching - Panel Discussion Moderated by Anna Antonejivic.
	Dr Stella Bachtis <i>Australian Skills Development Institute</i>	Climate Action and Entrepreneurship: Building Teacher Capability. Creativity, innovation & entrepreneurial thinking work together in identifying and solving STEM problems. In this teacher capability development workshop, there is a focus on a lean entrepreneurial process of problem and customer identification and empathic validation to develop a solution with available resources.
	David Broun, Robert Congo, Elias Wranga <i>Department of Education Western Australia and 'Ngaparrtji Ngaparrtji Two-way Science program, Yooribaya Cultural Experiences</i>	Culturally Responsive STEM: The Ngaparrtji Ngaparrtji Two-way Science program supports schools to build partnerships with local Aboriginal communities to develop integrated culturally responsive learning programs that connect the Science Curriculum to Aboriginal knowledges. This workshop will feature examples of education activities that connect First Nations knowledge to the curriculum, and strategies that can be used by schools to build community partnerships and develop culturally responsive STEM learning programs together.
	Dr Adrian Bertolini <i>Intuyu Consulting</i>	Practical Planning and Pedagogy for developing STEM learners: In this workshop we will explore the thinking and planning approaches we have found necessary to support and nurture students to drive their own learning.



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DAY 2 - PRESENTER AND SESSION INFORMATION

PHOTO	PRESENTER	SESSION INFORMATION
	Chris Buswell, Michael Holmstrom <i>STEM Punks Education</i>	Agricultural Technology and Social Entrepreneurship: This interactive 90-minute session explores AgTech Social Entrepreneurship through the lens of STEM, Design Thinking, and the UN Sustainable Development Goals. Agriculture faces unprecedented challenges—from climate change and resource scarcity to food security and community resilience.
	Shoaib Alam, Emily Bargel <i>Paradise College</i>	Creating a STEM ecosystem from K-12: A practical workshop in design, collaboration and showcasing the use of micro:bits to support a design thinking sprint.
	Jess Silva <i>Questacon</i>	Engineering is Elementary: Questacon's Engineering is Elementary workshops are designed to build educator confidence and capacity to teach STEM in their classroom through hands-on workshops.
	Dr Craig Sims <i>Curtin University</i>	Attitudes to STEM: This presentation examines how attitudes toward STEM education form and how they shape engagement across learners and teachers. The study interprets attitudes through four mechanisms: belief activation, value construction, normative alignment, and patterned enactment. Together, these provide an integrated lens that positions attitudes not as static dispositions but as dynamic constructs embedded in individual, school, and societal contexts.
	Dr Rosianna Lagi <i>The University of the South Pacific</i>	Indigenising Education: This presentation shares research on decolonising education to prioritise Indigenous knowledge, skills, and practices in policies and curricula. It highlights traditional Pacific Island learning methods—storytelling, song, dance, and observation—and argues for their integration into climate education to promote climate literacy and justice. Based on a <i>veitalanoa</i> (group discussion) with Indo-Pacific scholars, the study emphasises the importance of Indigenous ontology, axiology, and epistemology in effective climate education.



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DAY 2 - STUDENT EXHIBITION AND WORKSHOP

PHOTO	PRESENTER	SESSION INFORMATION
 	<p>A/Prof Anton Jordaan, Dr Stella Bachtis <i>University of Adelaide, Australian Skills Development Institute</i></p>	<p>Commercialising student innovations. An interactive workshop for all participating exhibition students to further explore the development of their ideas towards sustainable venture opportunities within their communities. A selection of exhibition students will present their ideas to fellow student participants, and in a Q&A facilitated session be prepared to ask and receive feedback/questions from their peers. The feedback will then serve as validation inputs towards a design thinking activity. The objective is to have students extend their current thinking regarding other possible uses or contexts of deploying their ideas, with a view to enhancing product/service idea sustainability to extend to venture creation opportunities.</p>





DAY 3 - PRESENTER AND SESSION INFORMATION

PHOTO	PRESENTER	SESSION INFORMATION
	Dr Rosianna Lagi <i>The University of South Pacific</i>	Indigenising Climate Education: Indigenising education involves the systemic decolonisation of educational systems to prioritise Indigenous knowledge, wisdom, skills, and practices within policies, curricula, and resources. Pacific Island Indigenous peoples have traditionally learned through oral, performative, and experiential methods such as storytelling, song, dance, cultural observation, and imitation. This article argues that incorporating Indigenous pedagogies into climate education is crucial for achieving genuine climate literacy and, ultimately, promoting climate justice.
	Professor Jason Lodge <i>University of Queensland</i>	Critical thinking and problem-solving: Adaptable strategies for every classroom. Technology is changing STEM rapidly, from calculators to smartphones to AI. But what skills help students adapt to any technology, present or future? This session will explore how to prepare students who can think critically, learn independently, and work together effectively, regardless of what tools they have access to.
	Louisa Opu <i>St Peter Chanel College of Secondary Teacher Education</i>	Sustainable Pedagogical Practices: Focus on Inquiry-Based Learning: This workshop explores how Inquiry-Based Learning (IBL) fosters sustainable, student-centred teaching. IBL encourages questioning, investigation, and independent understanding—building critical thinking and lifelong learning. By shifting teachers into facilitators, it promotes autonomy and engagement. Participants will use an IBL lesson plan template and discuss how sustainable pedagogy supports teacher growth and student success.
	Anna Antonijevic, Pauline Suvi, Chris Buswell, Elias Wranga	Conference Reflections - As part of the conference evaluation, presenters will guide participants through the KWL framework – What we Know, What we Want to know, and What we have Learned. This reflective approach encourages delegates to share existing knowledge, articulate learning goals, and capture insights gained from the event.
	Derek Ranclaud <i>Sunshine Beach State High School</i>	Increasing power through design: Wind Turbines In this 90-minute STEM workshop, participants take on the role of engineers to design and build a working wind turbine.



DAY 3 - PRESENTER AND SESSION INFORMATION

PHOTO	PRESENTER	SESSION INFORMATION
	Dr Kevin Soli <i>Centre for FutureNau</i>	EdTech Meets AgriTech: STEM Learning with Moodle, Raspberry Pi and the Black Soldier Fly: This hands-on workshop showcases how education technology (EdTech) and agriculture technology (AgriTech) converge in an online classroom using Moodle learning management system (free LMS software) on Raspberry Pi (paid hardware). This EdTech device is called 'MoodleBox'. Participants will create and take a STEM lesson on AgriTech, focusing on the Black Soldier Fly (BSF) and climate-smart entrepreneurial community gardening.
	Francis Tongapi <i>Aiyura National School of Excellence</i>	Sustainable STEM in utilising the school farm (vegetables, poultry, piggery). Make use of the school farm using pedagogies to sustain the school mess, the school canteen, and school operations.



KEY INFORMATION

WhatsApp Group

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<https://chat.whatsapp.com/CivyXkmyiZglgJziHIXFG6>



Conference Hotline

Direct all communication around queries, attendance (e.g. reporting in ill) and any logistics challenges (e.g. delayed flights) to the Conference Hotline: +675 7154 9839

Mobile and WhatsApp message or calls, available from 7am to 8pm.

Welfare Support

Welfare Officers are on site to support delegates during the conference. This includes support in wellbeing, liaising with the hotel and any non-emergency medical needs (e.g. advice on where to seek medical attention). WhatsApp message is the preferred method of communication (7am until 10pm).

1. Mr Raymond Harold +675 7920 4772

2. Ms Medi Reta +675 7111 4467

Emergency Support

A dedicated number will be available 24/7 for emergencies during the STEM Conference 2025. This number is for emergencies ONLY.

Emergency No: +675 7111 4439

Mobile or WhatsApp call is the preferred method of communication.

Attendance

- Attendance is required at all scheduled activities.
- If you are ill and unable to attend any activities, inform Australia Awards via the Conference Hotline as soon as possible. Failure to do so will be considered a no-show and may affect your opportunities for future attendance at professional learning events.

Accommodation

- Accommodation provided by Australia Awards can ONLY house delegates registered with the Hilton Hotel – family, friends or colleagues are not permitted to stay.
- Visitors are NOT allowed to enter hotel rooms. Delegates are to make arrangements to meet visitors in common areas and only do so outside of scheduled conference activities.
- Hotel facilities, including room, restaurants and meeting rooms, must be treated with respect. Any damages or theft of items will result in associated costs being passed onto delegate/s.
- Any charges related to room service, restaurant, minibar, entertainment, laundry etc are the responsibility of delegates.
- Hotel items such as towels, beddings and appliances must NOT be removed.



DELEGATE RESPONSIBILITIES

Communication

- Delegates **MUST** communicate clearly and openly with Australia Awards on all issues related to participation in STEM Conference 2025.
- Sensitive issues can be directed to Welfare Officers.
- Day-to-day communication can be shared with the Conference Hotline (e.g. unwell, support on workshops, etc).
- Privacy of all delegates is held with the upmost priority by Australia Awards.

Conduct

- Behave honestly and with integrity.
- Treat others with respect and fairness.
- Take responsibility for your own learning and performance.
- Comply with any reasonable request or directions from Australia Awards regarding safety or compliance.
- Abide by any guidelines outlined by Australia Awards on personal behaviour and participation.
- Respect the property of others, Australia Awards and the Hilton Hotel.
- Respect the privacy of others and keep personal information confidential.
- Do NOT chew betel nut – the Hilton Hotel bans all chewing on site, with a PGK1,000 fine for any breach..
- Do NOT discriminate on grounds such as gender, sexuality, race, ability, cultural background, age, religion, or political beliefs.
- Do NOT endanger the safety or health of yourself or others.
- Avoid actions that may be seen as harassment, exploitation, intimidation, or bullying.
- Do NOT engage in any form of fraud.
- Do NOT participate in, enable, or ignore any behaviour that constitutes or may be perceived as child exploitation or abuse.
- Do NOT be involved in human trafficking or any form of modern slavery.
- Fraud, Child Exploitation or Abuse or any form of human trafficking or modern slavery are serious violations and will lead to immediate termination and referral to law enforcement.
- Follow the laws and regulations of Papua New Guinea.
- Raise any performance, welfare, or security concerns with Australia Awards in a timely manner.
- Changes are NOT permitted to any transport arranged by Australia Awards. Any attempts to change transport will be deemed an act of fraud and may result in termination.
- Failure to check in for transport scheduled by Australia Awards will result in additional costs being passed onto the delegate. Australia Awards will seek reimbursement of any lost funds due to delegate negligence.



RISK MANAGEMENT PLAN

Australia Awards prioritises safety and security as part of any program delivery. Managing risk effectively and efficiently is key to this and Australia Awards responds to this through following components – being well prepared, minimising risk, responding quickly and effectively, and debriefing.

Generally, there are two types of incidents that Australia Awards manages during any program delivery.

1. Welfare

Definition: event or situation that adversely affects, or has the potential to affect a delegate's ability to successfully participate in the STEM Conference 2025

Examples: Harassment and Bullying, Health issues, Death of a family member, Pregnancy, Victim of Crime, Absenteeism

Requirements: Report via appropriate channels, Support mechanisms put in place

2. Critical

Definition: Serious event that requires rapid response and has potential physical and reputational impacts

Examples: Crime committed by a delegate, Emergency accident or medical incident of a delegate, Death of a delegate, Family and Sexual Violence (FSV) – victim or perpetrator

Requirements: Rapid reporting to delivery partner and Australia Awards, Australian Government involvement

Communication

Australia Awards are on stand-by during the STEM Conference 2025 to support delegates.

Communication can take place through conversation, email or phone and we encourage delegates to reach out at any time support is needed. Refer to KEY INFORMATION for all contact details and input the numbers into your phone. Please also consider the time of communication – if there is an emergency, contact the Emergency number at any time. For other communication, please limit from 7am to 10pm.

Risk Plans

To support Australia Awards risk response, Action Plans have been developed to clearly outline the processes and procedures in the event of an emergency. These include:

Plan 1 – For all delegates to implement in order to minimise the risk when staying at the hotel.

Plan 2 – A delegate is incapacitated (e.g. ill, injured, or involved in an accident etc.).

Plan 3 – A delegate must cease participation in the conference (i.e. due to health issue or breach of terms of participation).

Plan 4 – A natural disaster, political unrest or threat to delegate's safety occurs within the hotel vicinity or nearby location.



RISK MANAGEMENT PLAN

PLAN 1: Delegates to minimise risk

- 1.1 Delegates to ensure their own safety by adhering to risk management information provided by Australia Awards, Hilton Hotel and/or the local authorities.
- 1.2 Delegates to carry emergency contact details and outline any risk considerations (i.e. allergies, medical) to colleagues and/or Australia Awards.
- 1.3 Delegates to ensure they are contactable (e.g. check phone regularly). Ensure Australia Awards and family have delegate phone number for emergencies.
- 1.4 Delegates ensure they have provided all contact information (e.g. phone numbers, emergency contact, etc).
- 1.5 Delegates to adhere to local protocols and advice regarding personal safety under the guidance of Australia Awards in the event of an incident (e.g. civil unrest, natural disaster, etc.). Monitor media updates and seek advice from Australia Awards and/or local authorities. Stay informed and stay connected.

PLAN 2: Delegate is incapacitated due to health issue, injury or accident

STAY CALM

2.1.1 If serious:

2.1.2 If possible, seek medical assistance immediately and organise to be transported to the nearest appropriate medical facility.

2.1.3 If possible, delegate or individual providing assistance to inform Australia Awards as soon as possible.

2.1.4 Australia Awards will support delegate with the process of contacting health insurance, nominated emergency contacts and DFAT, where required.

2.1.5 Australia Awards will provide necessary support until health insurance and medical experts decide a plan of action. Australia Awards to liaise with other parties, if necessary (e.g. emergency contact, education sector, DFAT, etc.)

2.1.6 If delegate is unable to continue in the program, Plan 3 to be followed for early return.

2.2.1 If not serious:

2.2.2 Australia Awards assist delegates to consult with local medical experts as appropriate. DFAT to be updated.

2.2.3 Australia Awards will prompt delegate to contact health insurance for advice (e.g. appropriate medical facilities) if required.

2.2.4 Australia Awards will record any assistance sought in its Incident Report register. Delegate to keep Australia Awards informed if unable to attend scheduled activities, and, if necessary, develop an appropriate plan of action to allow delegate to continue with the program.



RISK MANAGEMENT PLAN

PLAN 3: Delegate is asked to cease participation in the conference due to health issues or breach of terms of participation

3.1 Australia Awards to discuss options for resolving situation with delegate with minimal disruption to the program. If situation persists after all options have been exhausted, advice will be sought from DFAT to arrange a plan of action. If situation is deemed serious enough that delegate must discontinue participation in the conference, Australia Awards to implement course of action in consultation with DFAT.

3.2 Australia Awards will inform delegate of the proposed plan and discuss the preferred course of action. Conversations with delegate will be recorded in writing. Where possible, Australia Awards will arrange for a third party to be present and act as a witness. DFAT to be updated by Australia Awards.

3.3 If the delegate is required to return home, Australia Awards will continue with the following procedures in liaison with the travel provider and DFAT, as required.

3.4 Australia Awards will provide delegate a copy of the agreement and outline obligations.

3.5 Australia Awards will liaise with delegate and DFAT about appropriate changes to travel arrangements to facilitate immediate return home.

3.6 Australia Awards will inform other delegates (if applicable) of situation and action taken, ensuring that appropriate confidentiality is maintained.

PLAN 4: A natural disaster, extreme weather, political unrest or threat to delegates safety occurs within the vicinity or a nearby location

STAY CALM

4.1 Australia Awards will check all delegates are accounted for by WhatsApp, SMS or email. Delegates must ensure they are contactable during the conference by leaving their mobile phone switched on and charged.

4.2 Australia Awards will seek information from local authorities, security providers and/or DFAT on appropriate steps to ensure safety.

4.3 Australia Awards will keep delegates informed about any proposed plan of action and/or necessity to change conference schedule. Delegates are required to cooperate with Australia Awards as per their signed agreement and to consider contacting family/friends back home.

4.4 Delegates need to be aware of and adhere to local protocols and action plans as advised by Australia Awards, local authorities and/or DFAT. This advice may come via our security providers or other contacts or intelligence that we are able to access (e.g. consular advice, media updates etc.).



Australia Awards

MEDIA EXPECTATIONS

Conference Media and Social Sharing Guidelines

We invite all participants to share their conference experiences on social media – including reflections, insights, and personal highlights from the event. Your stories help showcase the collaboration, innovation, and community spirit that make this conference so special.

When posting, please tag the Australian High Commission (@aushcpng) and Australia Awards (@australiaawards) using the official event hashtags (**#PNGSTEM**) to help amplify our shared impact and celebrate the collective achievements of everyone involved.

Sharing your experience helps extend the conversation beyond the venue – inspiring others and celebrating the ongoing growth of STEM education in Papua New Guinea.

Respectful Media Conduct

To maintain a respectful, secure, and focused environment, we kindly ask participants not to record or publicly share any videos, photographs, or audio of speakers or workshop presenters during plenary sessions, panels, or workshops.

This ensures the privacy and intellectual property of all presenters and allows open, confident participation throughout the event.

To ensure the safety and privacy of all participants, photography or videography of students under the age of 18 is strictly prohibited unless prior written consent has been obtained from their parent or guardian and approved by both the supervising teacher and Australia Awards.

Upon registration, all participants, including supervising teachers and chaperones, will be required to sign an agreement acknowledging these media and privacy conditions and confirming their understanding of the event's photography and confidentiality requirements.

Official Media Coverage

Our official conference photographers and videographers will be capturing key moments across the event. These images and videos will be shared following the conference through our official communication channels – for everyone to access, enjoy, and repost with full permission.



Australia Awards

NOTES



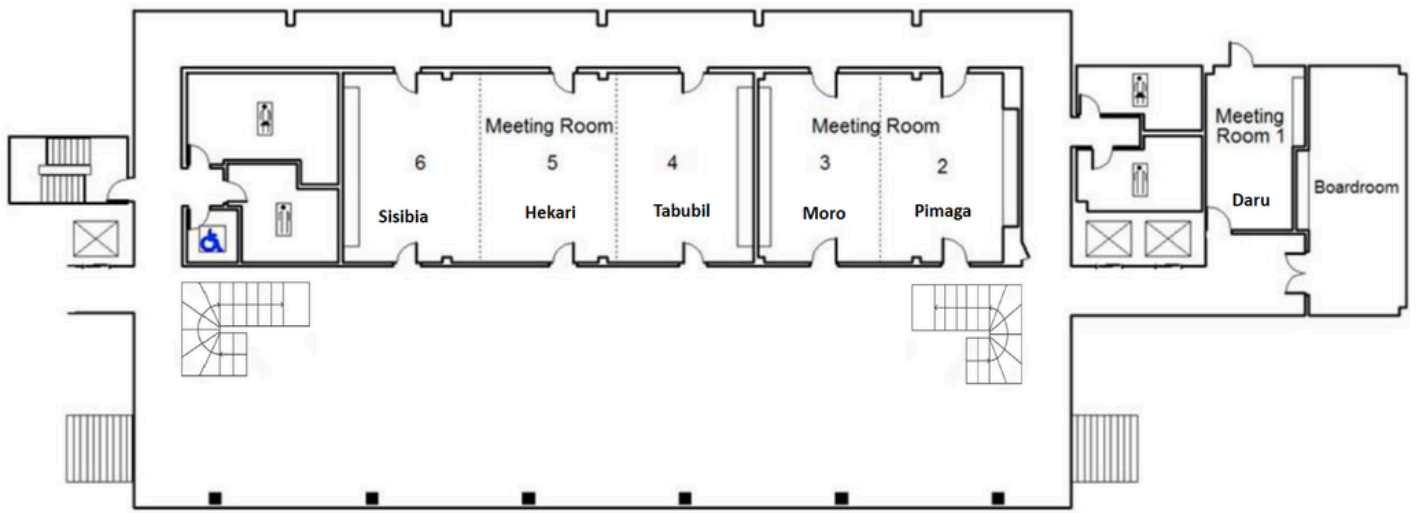
Australia Awards

NOTES

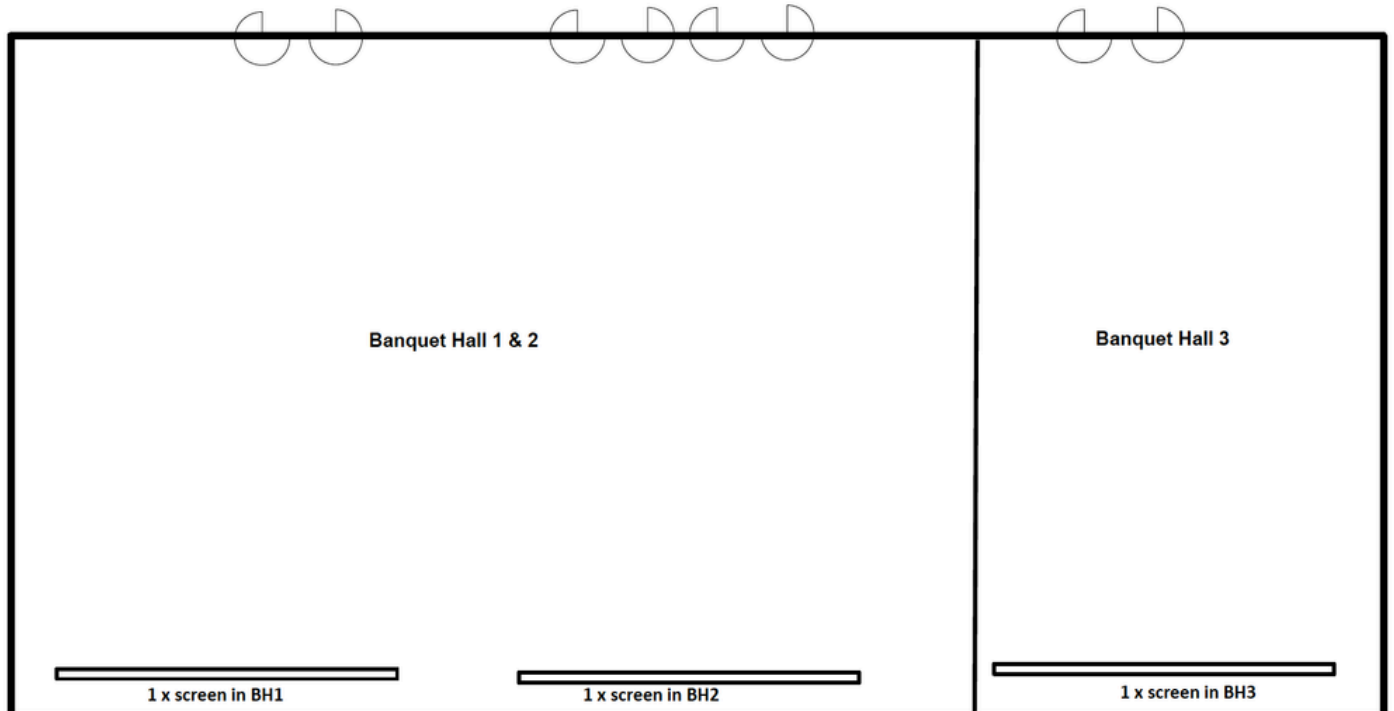


VENUE MAP

Level 1



Ground Floor





Australia Awards

EVALUATION

We welcome your feedback at the end of each day of the conference. Your input will be reviewed daily and, where appropriate, used to enhance your ongoing conference experience as well as inform the design of future events.

DAY 1



[HTTPS://WWW.SURVEYMONKEY.COM/R/STEM_CONFERENCE_SURVEY_DAY_1](https://www.surveymonkey.com/r/STEM_CONFERENCE_SURVEY_DAY_1)

DAY 2



[HTTPS://WWW.SURVEYMONKEY.COM/R/STEM_CONFERENCE_SURVEY_DAY_2](https://www.surveymonkey.com/r/STEM_CONFERENCE_SURVEY_DAY_2)

DAY 3



[HTTPS://WWW.SURVEYMONKEY.COM/R/STEM_CONFERENCE_SURVEY_DAY_3](https://www.surveymonkey.com/r/STEM_CONFERENCE_SURVEY_DAY_3)



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