AAEE Biennial Conference 2023
Listen, Learn, Transform
25-27 September 2023, University of Wollongong

Abstract Submission Form and Speaker Profile

Complete your details by typing in the **green** sections of the digital form below. If there are multiple presenters, please include their details where applicable (name, organisation, personal bio)
Save your completed form in PDF format and submit via the **submission form on the website**.

Title	Ms/Ms	**First Name**	Helen / Sally	**Family Name**	McHugh / Ingham
Position/Role		Helen McHugh – (Ag) Manager Visitor Services, Australian National Botanic Gardens Sally Ingham - Education Project Manager, Australian National Botanic Gardens			
Organisation you will represent		Australian National Botanic Gardens			
Personal Bio Max. 100 words		Helen McHugh's career has centred around engaging and teaching children and adults. Highlights include debating the World Heritage Conservation ACT 1983 at Old Parliament House, developing the award-winning RFID Learning TRAIL at Museum of Australian Democracy and buzzing in bee costume to explore Australia's pollinators. Sally Ingham is a passionate science communicator. She completed a Bachelor of Environmental Science before working in several roles at the Australian National Botanic Gardens from Ranger to discovering new species and now project lead for the Plant Science Learning Hub. Sally enjoys nurturing children's love of nature and inspiring the next generation of scientists.		
Title of Presentation		The Plant Science Learning Hub – Australian plant science resources for primary schools developed by scientists and educators at the Australian National Botanic Gardens			
Format of Presentation (please select)		☒ Oral Presentation (20 minutes) ☐ Workshop - 60 minutes (eg interactive indoor session) ☐ Workshop - 120 minutes (eg outdoor activity) Indicate your preferred presentation types (you may select more than one) NB: We may not be able to offer your preferred option			
Which theme would you prefer to present under? (please select)		☐ Theme 1: Listen ☒ Theme 2: Learn ☐ Theme 3: Transform			

Introduction	Developed by the Australian National Botanic Garden's scientists and educators, the Plant Science Learning Hub uses Australia's unique plants and stories to provide a robust and complete learning journey through seven plant science modules from Plant Life Cycles to Ecosystems. This presentation aims to provide insights into the developmental journey of the project, including research, content development, stakeholder engagement and challenges. Educators will be empowered to use innovative, authoritative and engaging resources to deliver environmental education in an Australian context.
Presentation Abstract: max. 300 words	The Australian National Botanic Gardens is committed to inspiring students in schools across Australia. The Gardens have developed a robust and engaging online learning resource that aims to create a culture of curiosity about plant science. Developed by the Garden's scientists and educators, the Plant Science Learning Hub uses Australia's unique plants to provide a complete learning journey through seven plant science modules from Plant Life Cycles to Ecosystems. Designed to educate through experiential and inquiry-based learning, the outdoor, classroom-based activities, online interactive activities, and videos provide clear links to the Australian Curriculum. The Plant Science Learning Hub will: - motivate and engage students in the unique stories of the Gardens and Australian flora - be linked to the Australian Curriculum - be targeted nationally at upper primary students - include lesson plans and teacher resources for teachers and educators How was it developed? - Front end teacher research to understand content gaps, challenges and teacher needs. - Classroom workshops to gain insights into educators' and students' needs and preferences. - Development of evidence-based archetypes that represent educators' and students' diverse emotional drivers, needs and pain points to ensure those needs were met.

	- Content strategy and development included workshops, curriculum reviews, development of templates and quality control authorisation checklists. - Selection of content modules prioritised in order of a logical learning sequence to build on prior knowledge. - Future-proofing content with a Lifecycle Management Policy to ensure content remains current and correct. - Development of an engaging and interactive website, providing a clear customer journey for both students and educators. This presentation will give insights into how the online resource hub was developed and empower educators to use this resource to engage curious minds in plant science.
Key Message: A short summary of presentation	- The Australian National Botanic Gardens (ANBG) has developed an engaging and fun educational platform to inspire students about plant science – the Plant Science Learning Hub. - The Hub uses experiential and inquiry-based learning techniques to provide upper primary students and primary school teachers with a suite of lesson plans, outdoor activities, videos, educator background notes and online interactive activities based around seven areas of plant science from Plant Life Cycles to Ecosystems. - In this presentation the ANBG's education managers will describe how the new Learning Hub has been developed, explore what is unique about the learning resources, empower environmental educators to use resources to engage students and outline the next stages of development.

All abstracts must be received by 5pm **Friday** 28 April 2023 (AEST).
We expect to notify speakers by mid June

Note: confirmed presenters will be required to register for the conference and pay the relevant registration fees.