

QUEENSLAND
MUSEUM

PRESENTS

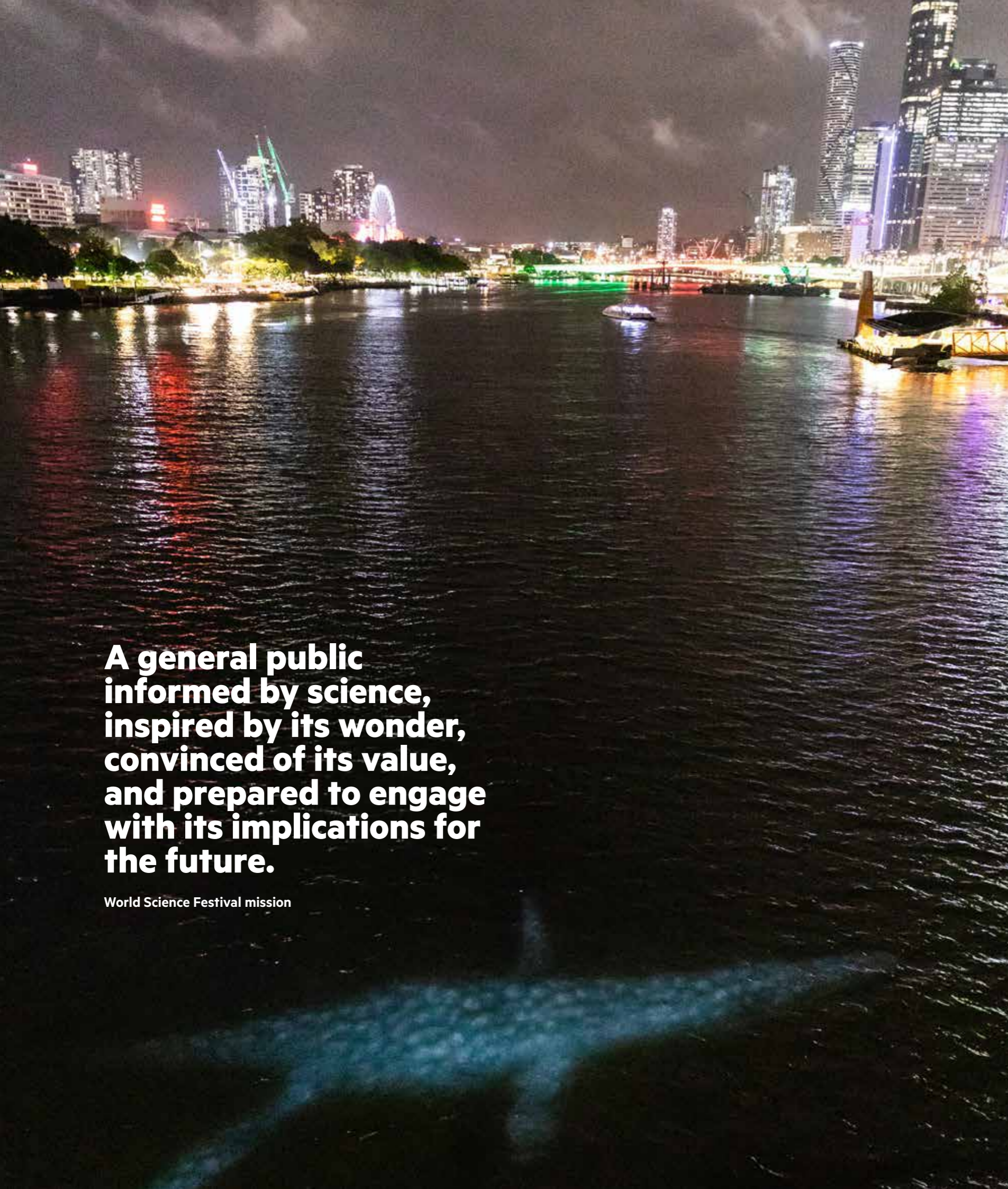
World
Science
Festival
Brisbane

WORLD SCIENCE FESTIVAL BRISBANE
2021: IN REVIEW

QUEENSLAND
MUSEUM



Queensland
Government



A general public informed by science, inspired by its wonder, convinced of its value, and prepared to engage with its implications for the future.

World Science Festival mission

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Artwork projection The Residents 2021 by Craig Walsh (for Curiosity Brisbane 2021), featured alongside the Brisbane skyline.

ACKNOWLEDGEMENT OF COUNTRY

In keeping with the spirit of reconciliation, and on behalf of the Queensland Museum Network, we acknowledge the First Peoples – the Traditional Owners of the lands where we live and work. We recognise their continuing connection to land, water and community. We pay respect to Elders – past, present and emerging – and acknowledge the important role Aboriginal Peoples and Torres Strait Islanders continue to play as part of World Science Festival Brisbane and within the Queensland Museum community.

OUR IMPACT 2021

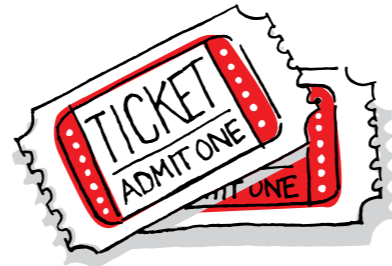
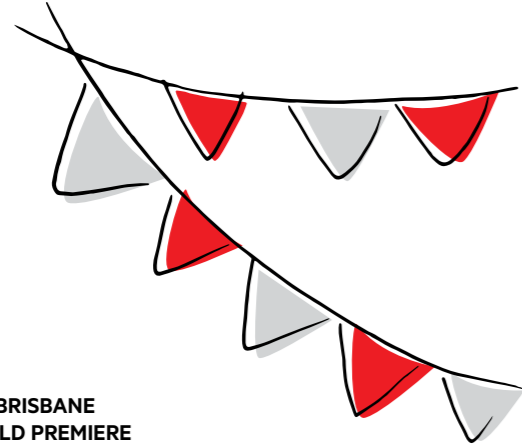
Programming

360
PERFORMANCES OF
179
EVENTS HELD AT
22

LOCATIONS ACROSS BRISBANE INCLUDING THE WORLD PREMIERE OF BRIAN GREENE'S CINEMATIC JOURNEY **UNTIL THE END OF TIME**

70%

OF WORLD SCIENCE FESTIVAL BRISBANE EVENTS WERE FREE



Attendances

113,269
ATTENDANCES

57%

OF AUDIENCES WERE ATTENDING THE FESTIVAL FOR THE FIRST TIME

Visitor Feedback

92%

OF VISITORS FEEL THAT THE FESTIVAL ADDS TO THE **OVERALL APPEAL** OF THE BRISBANE REGION

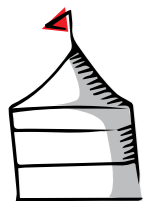


99%

INDICATED THEY WILL ATTEND AGAIN

People

146 PARTICIPANTS FROM **4** COUNTRIES



38

ACTIVITY PROVIDERS

108

VOLUNTEERS

Marketing + Media Relations

612 MEDIA STORIES

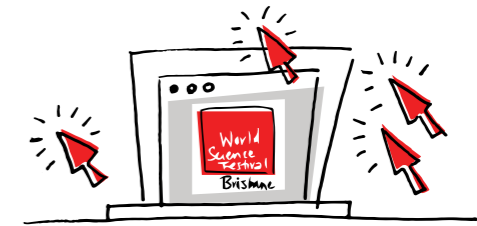
REACHING A CUMULATIVE AUDIENCE OF

1.2B+



WITH AN ADVERTISING SPACE RATE VALUE OF

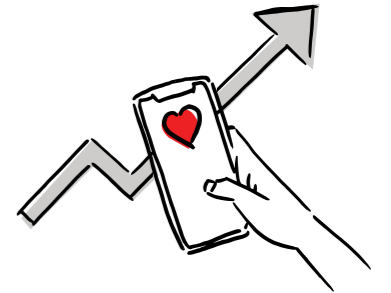
\$13.8M



147,190+ UNIQUE VISITORS

TO worldsciencefestival.com.au WEBSITE FROM 7 FEBRUARY TO 30 APRIL MARCH

11% AVERAGE GROWTH IN SOCIAL MEDIA AUDIENCES



Economic Impact¹

12,342

EVENT-SPECIFIC VISITOR NIGHTS

\$3.65M

IN DIRECT AND INCREMENTAL SPENDING ACROSS QUEENSLAND

Partnerships

24 PARTNERS FROM GOVERNMENT, ACADEMIA AND INDUSTRY

CONTRIBUTING

\$6M IN

CASH + IN-KIND SUPPORT



PARTNERS **'STRONGLY AGREE'** THAT WORLD SCIENCE FESTIVAL BRISBANE IS AN IMPORTANT MECHANISM FOR **STEM ENGAGEMENT AND LEARNING**

¹ Economic Impact assessment commissioned by Tourism and Events Queensland

WELCOME

Science, in all its wisdom and wonder, has become the silver lining of the global pandemic: rapidly unlocking and expanding opportunity on a scale not witnessed before.

World Science Festival Brisbane burst into 2021 daring us to dream big. Be it combating pandemics or tackling climate change, to planning smart, connected cities or navigating the universe, our program paid tribute to the past and imagined an ideal future, with STEM as the gateway.

Like everyone in this unique time in modern history, we faced a myriad of challenges. But the fortitude, ingenuity and steely determination synonymous with Queensland shone through, and the sixth annual World Science Festival Brisbane was an overwhelming success.

Despite the ever-changing complexities associated with delivering a large-scale festival amidst travel, border and capacity restrictions, we persevered and delivered an event like no other.

Building on the enormous success World Science Festival Brisbane has seen in previous years, we embraced new technologies and multi-faceted delivery methods to create an engaging, complex, new-look festival that truly celebrated the power of science and innovation.

Brisbane came alive with 360 performances of 179 events delivered by 155 participants and 38 activity providers in 22 locations across the city, attracting more than 113,000 attendances – onsite and online.

I am incredibly proud of what we achieved, overwhelmed by positive feedback, and humbled by the generosity of spirit shown by our partners, participants, staff and volunteers. Thank you all for your tireless enthusiasm, your unreserved passion and most of all, your steadfast loyalty. You make World Science Festival Brisbane happen, and you make it great.

World Science Festival Brisbane may be over for another year, but World Science Festival Queensland is on the way. I look forward to seeing you in Chinchilla, Gladstone, Toowoomba, Townsville and Ipswich.

Until then, follow your curiosity. Ask questions. Challenge perceptions.

Dr Jim Thompson

**Chief Executive Officer
Queensland Museum Network**

Visitors get hands on with one of the many free STEM activities on offer.





PROFILE

QUEENSLAND MUSEUM NETWORK

Queensland Museum Network has been discovering, documenting and celebrating Queensland's biological diversity, cultural heritage and geological treasures for more than 159 years.

Today, Queensland Museum Network (QMN) is the keeping place for the State Collection, comprised of more than 1.2 million cultural heritage objects and natural history specimens and more than 14 million research items.

We harness support of industry, government and community to celebrate the story of Queensland and its place in the world through leading research and unique experiences across seven sites, including:

- Queensland Museum: South Bank, Brisbane
- The Workshops Rail Museum: Ipswich
- Cobb+Co Museum: Toowoomba
- Museum of Tropical Queensland: Townsville
- Queensland Museum Research and Loans Centre: Hendra, Brisbane
- Museum of Lands, Mapping and Surveying: CBD, Brisbane
- Earth Sciences Museum: University of Queensland, Brisbane

We are a museum without borders, engaging with communities across the state through a virtual museum and online resources, workshops, talks and lectures, school education kits, professional consultancy services, best-selling publications and major events including World Science Festival Brisbane.

WORLD SCIENCE FESTIVAL BRISBANE

A general public informed by science, inspired by its wonder, convinced of its value, and prepared to engage with its implications for the future.

Such is the mission of World Science Festival.

The brainchild of renowned physicist Professor Brian Greene and Emmy-award winning broadcast journalist Tracy Day, World Science Festival has been presented in New York since 2008.

QMN holds exclusive licence to host World Science Festival in the Asia Pacific from 2016–21: the only global extension of this hugely popular initiative.

Presenting the Asia-Pacific rendition of World Science Festival reinforces QMN's position as a leader in STEM engagement, and enhances Queensland's profile as a knowledge economy and international hub for scientific thought leadership.

World Science Festival Brisbane is held annually in March. Across five days and four nights, great minds from across the globe present a curated program of discussion, debate, theatre and interactive experiences onsite and, from 2021, a vast online offering.

This annual flagship event is complemented by regional engagement delivered throughout the year under the banner World Science Festival Queensland. World Science Festival Queensland allows all Queenslanders – regardless of where they live – the opportunity to explore the dynamic connection between science and our everyday world.

In the past six years, World Science Festival Brisbane has attracted over 800,000 attendances – onsite and online – and injected more than \$36 million into the Queensland economy, firmly establishing its place as a major event in the state's tourism calendar.

WSFB painted the town red during March, including the Victoria Bridge.

NAVIGATING UNCERTAIN TIMES

On 30 January 2020, the World Health Organisation declared a Public Health Emergency of International Concern.

Six weeks later on 11 March 2020, the Prime Minister of Australia declared a pandemic, and the nation mobilised to manage the spread of COVID-19.

Following this unprecedented series of events, the Board of the Queensland Museum made the difficult, but necessary decision to cancel World Science Festival Brisbane 2020, and later World Science Festival Queensland 2020 events in Chinchilla, Gladstone, Brisbane, Toowoomba, Townsville and Ipswich.

This was the first major festival cancellation in Queensland, falling within the initial stages of the pandemic, at a time of intense global uncertainty.

Whilst in lockdown, World Science Festival Brisbane was reimagined into a multi-modal distributed format; this was a transformational period for QMN, and an opportunity to craft a new-look program model. Launching ourselves into an untested festival market – a landscape where online engagement seamlessly interacts with face-to-face programming – we created a program that could be delivered holistically or in parts; fully in person, wholly online or a hybrid of both; in accordance with prevailing COVID-19 restrictions. All activities, events and venues were subject to rigorous COVID-Safe Plans. Check-in for contact tracing purposes was mandatory. Venue capacities and social distancing measures were in place, and strictly adhered.

World Science Festival Brisbane 2021 took place from 24-28 March. On 29 March 2021, Queensland's Chief Health Officer announced a three-day lockdown for the Greater Brisbane region in response to community transmission of the highly infectious European strain of COVID-19. Thankfully, the event had concluded, however the mammoth task of bump out and site reclamation was completed in a lockdown environment.



Inspiration abounded for all ages at
The Hatchery: Turtle Conversation Experience.



| PROGRAM

The sixth annual World Science Festival Brisbane explored extremes and adaptations through a curated program of special events and inspiring audiences in person and online.

SPECIAL EVENTS

World Science Festival Brisbane 2021 opened with the world premiere of **UNTIL THE END OF TIME** on Wednesday evening. Developed and performed by renowned physicist and World Science Festival co-founder Brian Greene, this cinematic experience took audiences on a journey from the earliest known periods and beyond.

Using his signature dynamic presentation style, Brian used chaos theory to explain how and why the human mind creates meaning through story, myth, religion, creative expression and science. This one night only event concluded with a live Q&A session between ABC Radio National Science Editor Jonathan Webb and Brian who joined virtually from his home in New York via state-of-the-art high-definition video link.

On Thursday, Brian hosted intimate groups of virtual explorers through mind-bending topics including extra dimensions, unified field theory and the multiverse in **EXPLORING HYPERSPACE: A VIRTUAL REALITY EXPERIENCE**. Presented at The Cube – the state-of-the-art digital interactive learning and display space in QUT's Science and Engineering Centre – ticket-holders donned VR headsets and applied abstract concepts and higher dimensional objects to challenge their imagination and stretch the bounds of possibility.

We returned to the Sir Thomas Brisbane Planetarium to present **RETURN TO PLANET EARTH**. Commissioned especially for World Science Festival Brisbane 2021, this sell-out event – inspired by Carl Sagan's *Pale Blue Dot* – took audiences on a round trip from our tiny blue planet through galaxies, past supernovas to the farthest reaches of our known universe.

ABC Radio National Science Editor Jonathan Webb sat down with Brian Greene for an awe-inspiring conversation in *Until the End of Time*.



CONVERSATIONS

Robust conversations formed the core of the World Science Festival Brisbane 2021 program. Harnessing the power of storytelling, these stimulating and thoughtfully crafted discussions contemplated ground-breaking discoveries, technological innovation and the influence of STEM on current socio-cultural issues.

This year, we expanded our traditional live, in-theatre delivery method and included livestream and pre-recorded discussions to improve access for all audiences. We enhanced our celebrated format of

live panel conversations to include state-of-the-art video technology, bringing interstate and international participants - unable to attend due to travel restrictions imposed by COVID-19 - live onstage.

The live Conversation program commenced on Thursday night with **CITIES 2060**. Presented with Academic Partner Griffith University, this discussion imagined how Australian metropolises will cope when the national population exceeds 40 million people.

Energy was on the agenda on Friday with **RUNNING THE PLANET WITHOUT COSTING THE EARTH**. Our expert panel - led by Academic Partner QUT - unpacked the ways we can successfully transition away from traditional energy sources and embrace a post-fossil-fuel-future with the help of corporations, private enterprise and universities.

The 2021 Conversation program would be incomplete without addressing the ongoing global impact of COVID-19. On Saturday, epidemiologists representing Academic Partner The University of Queensland joined others from the coalface to consider how past lessons can help us pandemic-proof societies in **THE PULSE OF THE PANDEMIC**.

In the face of COVID-19 we are reliant on science more than ever before, and yet, misinformation and mistrust continue to thrive. A panel of passionate scientists, historians and communicators - led by the irrepressible Dr Karl - considered this phenomenon in **WHY TRUST A SCIENTIST** on Saturday night.

The concept of scientific rigour continued on Sunday morning with **SCIENCE VS. POLITICS**. Featuring a pre-recorded interview with former Prime Minister The Honourable Malcolm Turnbull, this conversation

revealed the behind-the-scenes machinations that occur when government is faced with scientific evidence that may, or may not, inform policy and action.

That afternoon, we returned to outer space for **HUNTING THE COSMIC DAWN**. Presented with Academic Partner The University of Queensland and featuring two Nobel Laureates, this celestial conversation chronicled the story of the cosmos touching on the Big Bang, the first stars, the nature of dark energy and the future of the universe.

Dr Norman Swan hosts a panel of experts to discuss *Why Trust a Scientist*.

QUEENSLAND MUSEUM

Thousands of people visited Queensland Museum across five days and four nights of World Science Festival Brisbane 2021 to engage in a plethora of programs designed to pique the curiosity of all ages, including pop-up presentations, curator talks, demonstrations, workshops and reduced entry prices to **SparkLab: Sciencentre**.

Pop-up activities were brimming with tantalising insights into Queensland's history and environment. The ever-popular Discovery Centre offered live snake feeding and daily **MEET THE CURATOR** sessions delivered by insect and marine invertebrate specialists. **DELVE INTO FROG'S HOLLOW** showcased archaeological work conducted on the site of Brisbane's first red-light district, while **PLACE INVADERS** tackled invasive species head on via 80s-inspired game technology. **CONSERVATION IN ACTION** showcased a captivating behind-the-scenes look into how museums care for vast collections and **AMAZING ARACHNIDS** introduced visitors to live spiders and scorpions. At **CORALWATCH**, citizen science ambassadors from The University of Queensland demonstrated how we can help protect the Great Barrier Reef. The **CREATIVE CLIMATE CHANGERS EXHIBITION** – curated exclusively for World Science Festival Brisbane 2021 – provided an insightful reflection on the societal impacts of the climate crisis.

On the weekend, Queensland Museum Network experts shared insights into their work and research with a series of 'a day in the life' talks traversing topics including trapdoor spiders, photography and scientific illustration. In homage to *Sea Monsters: Prehistoric Ocean Predators* – Queensland Museum's feature exhibition during World Science Festival Brisbane 2021 – our very own palaeontologist Espen Knutsen compared today's top ocean predators with their prehistoric counterparts, before hosting a guided tour of the exhibition.

Crowd favourite **THE HATCHERY TURTLE CONSERVATION EXPERIENCE** (The Hatchery) returned, allowing more than 5,000 visitors the chance to see Loggerhead turtles hatch live, in-person, and online, before their very eyes.

Designed by Queensland Museum Network in collaboration with Department of Environment and Science, The Hatchery highlights the importance of the Mon Repos Loggerhead Turtle Rookery in Bundaberg as a conservation and ecotourism success story. Those unable to attend in-person were able to watch the hatchlings emerge online, thanks to 24-hour livestream provided by AARNet.

Onsite visitors were treated to a video tribute celebrating the 50-year career of internationally renowned herpetologist Dr Colin Limpus and they also learned the damaging effect of plastic pollutants on marine life with demonstrations by members of The University of Queensland's Microplastics and Environmental Health research group. The Hatchery was complemented by an augmented reality experience created by *Bluey* animator Beth Durack and brought to life by Romeo Digital.

Queensland Museum's popular **A NIGHT AT THE MUSEUM** and **AFTER DARK** programs were held on Friday and Saturday evenings. Dr Karl wowed family audiences on the Friday night alongside a live disco party, larger-than-life puppets and face painting, and when the sun went down on Saturday adults roamed the museum by night, enjoying roving entertainment, DJ sets, First Nations storytelling and pop-up Q&A sessions with palaeontologists.

In tribute to **EARTH HOUR** on 27 March, we dimmed the lights at Queensland Museum and commissioned a special outdoor, acapella performance of science-inspired songs, conducted by singer-songwriter Emma Dean and featuring more than 50 choralists from Cheep Trill, Soul Song Brisbane, QUT Vox Pop and EcoTones.

| VISITOR FEEDBACK

“It’s wonderful to be able to communicate and share science with likeminded individuals, but most importantly to share that with our community.”

“Amazing job as always, especially with the circumstances. Thank you – I missed the brain stimulation last year.”

“I loved the virtual events, as they meant we could attend evening events without needing a babysitter.”

“It’s terrific and 2021 is the best year yet.”

“It was a great way to get out in a meaningful way. Can’t wait for next year’s Festival.”

“It is so important to get members of the general public interested in science. It’s vital to show people that they don’t need a degree to get involved and be interested in science, and this Festival is the only event that does that.”

“Brisbane is so lucky to have this event which is so engaging for people of all ages and particularly school children.”

“We really appreciated the expertise of the staff and volunteers, and the welcoming, important, interesting and timely events.”

“The Museum tour guides were amazing, so friendly and helpful. All people we interacted with were fantastic.”

“Loved the experience and loved the focus on climate change and sustainability.”



Visitors of all ages joined in the fun with explosive rockets at City of Science.

CITY OF SCIENCE

In 2021 Brisbane truly transformed into a **CITY OF SCIENCE**. Presented with support from BHP, the action-packed City of Science calendar spanned Brisbane far and wide – from South Bank to Mt Coot-tha, across to Kingston and Carindale, covering an enormous territory and bringing jam-packed STEM activities to new audiences.

At the Cultural Precinct, early childhood specialists C&K created **LISTEN AND LEARN TOGETHER**, a special activation space for under 5s to problem solve and explore with early robotics, designing marble runs and hand-on experiments. **TERRA FIRMA** explored Earth Sciences, offering visitors facilitated, hands-on learning activities covering mineralogy, volcanology and palaeontology. This custom-built activity space was joined by regular appearances of ancient megafauna brought to life by Dead Puppet's Society. Right next door, The University of Queensland's Institute for Molecular Bioscience encouraged visitors to become citizen scientists and explore the microbes in their soil in the name of medical research. The Edge at State Library of Queensland was the venue for a series of future-focussed workshops for teenagers on the topics of agriculture, food security, urban design and carbon neutral town planning.

City of Science activities at the Cultural Precinct were connected by a series of public art installations. Commissioned exclusively for World Science Festival Brisbane 2021 these pop-up artworks were designed to increase awareness of sustainable practices. *Rescue Crew* by Sue Loveday imagined a future world where the forestry industry embraced sustainable practices. Artist Kirsten Baade created *Bin Chicken*, a giant Australian white ibis crafted out of reclaimed plastic waste and steel. Kate Jefferay's large-scale weaving *Warming Stripes* offered a visual representation of Australia's ever-increasing temperatures.

Thanks to a new partnership with Brisbane City Council Regional Library Network, libraries in New Farm, Wynnum, Mount Gravatt and Chermside delivered **THE LIBRATORIUM**: drop-in sessions covering dinosaurs, spiders, space exploration and drones.

Programming at **Mt Coot-tha Botanic Gardens** included thematic walks, science-based workshops, as well as special tours of the Queensland Herbarium. A new partnership with West Village brought a raft of family-friendly sustainable living workshops to **West End**. **Queen Street Mall** served lunch with a side of science with midday events including a pop-up museum, explosive science shows, and an appearance from Dr Karl.

Queensland's leading brains trust of disruptive innovators from **THE PRECINCT'S AI HUB** programmed an exciting weekend of tech, AI and Extended Reality (XR) sessions. E-waste recycling was explored at **Substation 33** in Kingston and **BRISBANE CATCHMENT NETWORK EVENTS** presented a booked-out bird walk hosted by Queensland Chief Scientist Professor Hugh Possingham.



THE NUCLEUS

Centrally located in the heart of the Cultural Precinct in the Queensland Art Gallery grounds, just a short walk from Queensland Museum was **THE NUCLEUS**. Lounge room meets laboratory, The Nucleus was the World Science Festival Brisbane 2021's designated hangout spot with free events, delivered right in the heart of the Cultural Precinct.

On Saturday and Sunday, **THE NUCLEUS** offered family-friendly content including dedicated explosive demonstrations by the Big Bang Science Show and UQ Science Demo Troupe, juggling performances by STEAM Circus and an interactive performance by musician and instrument maker Linsey Pollak.

The jam-packed evening program included live music performances by **DJ BLACK AMEX**, singer-songwriter **PAULINA** and hip hop act **BEAUTY & THE BEATS**, interspersed with talks including

SUSTAINABILITY IN ART AND DESIGN, a literary-focused discussion **SCIENCE (IN) FICTION** and a special live recording of ABC Radio National's **OCKHAM'S RAZOR**.

CURIOS CONVERSATIONS HOSTED BY BENJAMIN LAW explored the hyper-connected underworld of mycelium and **CREATIVE COLLISIONS** panellists unpacked the intersection of science and art. **A LIGHTER SIDE OF SCIENCE** – a science variety night like no other – combined quick rounds of smartphone trivia with a comedic touch featuring Queensland Museum Network experts. Afternoon beers rounded out the festivities, with **SCIENCE OF BEER** closing the program on the Sunday.

DIGITAL PROGRAM

Thanks to generous support from long-term partner BHP Foundation, World Science Festival Brisbane 2021 included an all-new digital program, designed to augment in-theatre experiences and engage interstate and international audiences. Crafting a bespoke digital offering was an enormous undertaking that provided rich rewards; the expansion into the digital realm has enhanced our Festival program and broadened our audience reach.

The digital program included five free conversations pre-recorded with Griffith Film School's LiveLab, available to watch on demand direct from our website. Conversation topics ranged from climate change to the moon with a side of medicinal tripping. In **DISRUPTING BUSHFIRES**, a panel of fire-savvy... specialists looked to the past, present and future for ways to survive the current 'pyrocene', while **RIISING TIDES, SEARING HEAT: INDIGENOUS AUSTRALIANS AND THE CLIMATE CRISIS** discussed the urgent threat of climate change in our low-lying island communities.

Medical experts revealed insights into Australia's first psilocybin clinical trials in **MIND ALTERING MEDICINES**. Three driven entrepreneurs shared their visions of a brighter future with pioneering immunologist Professor Ian Frazer in **HOW TO CHANGE THE WORLD**. We jumped forward to the year 2030 in **THE MOON IS MINE: A HYPOTHETICAL**, where a cast of politicians, scientists and business leaders played out the conundrums associated with the contentious commercialisation of space.

In another first, we teamed up with Folklore Sound to record podcasts and audio tours. In the **5 WITH 5 PODCAST**, local science communicator Dr Rob Bell (*Totally Wild* and *Scope*) spent five minutes with five fascinating people and uncovered the seemingly inconsequential moments that monumentally effected their lives.

In the **DISCOVERING MEEANJIN** audio tour Traditional Owner Shannon Ruska and Queensland Museum Network's Curator of Archaeology Nick Hadnutt team-up for a six-part journey through Brisbane's Indigenous and archaeological history. Aunty Colleen Wall, a Senior Woman from the Duawa Clan of the Kabi Nation, explains the relationship between environment and culture in an audible tour through the Gudya (Mt Coot-tha) Botanical Gardens in **DISCOVERING GUDYA**.

The hugely popular Cool Jobs event was re-imagined as a series of nine short films, reaching a larger audience than ever before and creating an online resource for teachers. **COOL JOBS** featured experts who use science every day in some of the coolest jobs on the planet, including medical imaging, robotics, statistics, 3D printing, marine biology, rocket science, horticulture, animation and palaeontology.

FILM PROGRAM

World Science Festival Brisbane 2021 partnered with QAGOMA's Australian Cinémathèque to present All in the Mind: a selection of films that delved into psychological and neurological conditions, mental health and the inner workings of the mind.

ALL IN THE MIND took a trip through the Nevada desert with *Fear and Loathing in Las Vegas* (1998), made a sinister turn with *The Babadook* (2014), and *Systemsprenger* (System Crasher) (2019) examined how environmental and emotional influences can shape volatile behaviour.

Films were complemented by documentaries *Dosed* (2019), which detailed the stressors of addiction, an exploration of controversial neuroscience treatments in *Hunting for Hedonia* (2019), and the life and work of a beloved science writer was celebrated in *Oliver Sacks: His Own Life* (2019).

SUSTAINABILITY

World Science Festival Brisbane is committed to continuous improvement. In 2020 we developed a multi-year Environmental Sustainability Plan outlining our pledge to reduce the environmental impact of World Science Festival Brisbane through sustainable practices delivered in partnership with key suppliers.

In 2021, we included sustainability as an integral part of procurement. We phased out single-use plastics in all activities and made biodegradable packaging mandatory for food vendors. We re-used and re-purposed existing infrastructure, avoided emissions-intensive design and phased out corflute plastic and other materials that are difficult to recycle. We significantly reduced printed materials and only used environmentally-friendly paper stock.

Our carbon emissions were offset by planting 1,200 trees at 7th Brigade Park (Chermside) and Minnippi Parklands (Tingalpa) in conjunction with Brisbane Catchment Network. Originally scheduled for 28 March 2021 as part of City of Science, the tree-planting sessions were postponed due to high rainfall, with a community planting event taking place on 24 April 2021.

CURIOCITY BRISBANE

In 2021, World Science Festival Brisbane was once again a pillar event of Curiosity Brisbane: a 17-day, city-wide celebration of science, art and technology.

Queensland Museum Network commissioned celebrated visual artist Craig Walsh to create a 'Curiosity'. The result was **THE RESIDENTS**: a light projection artwork visible from the Goodwill Bridge. Aligned with *Sea Monsters: Prehistoric Ocean Predators*, THE RESIDENTS featured high-definition projections of prehistoric creatures known to have inhabited Maiwar (Brisbane River) millions of years ago.

Craig collaborated with Queensland Museum Network's palaeontology team to ensure the projections represented the way these creatures would have looked, moved and behaved. By day, these strange river residents were visible through underwater surveillance cameras and by night lucky viewers could catch them playing in the river as they moved closer to the surface of the water.

We also partnered with Curiosity Brisbane to deliver the **CURIOCITY SCHOOLS CHALLENGE**. This competition, open to all primary and secondary schools across the state, invited classes to submit proposals for their very own 'Curiosity'. Six winning schools were paired with a professional maker or artist to bring their creative concept to life.

A delegation from each school – Ferny Grove State High School, Isis District High School, Trinity Bay State High School, Leichhardt State School, Payne Road State School and Dalby South State School –travelled Dalby South State School – travelled to Brisbane to install the winning creations and to receive exclusive behind-the-scenes tours.



More than 6,900 students visited World Science Festival Brisbane 2021 as part of dedicated school excursions, including sessions presented at QPAC.

EDUCATION PROGRAM

STEM education is a key focus for World Science Festival Brisbane.

Our inspiring, curriculum-linked education program demonstrates how STEM can be used to solve real-world problems.

More than 6,900 students visited World Science Festival Brisbane 2021 on dedicated school excursions. For many students and teachers, attending World Science Festival Brisbane 2021 was their first excursion since the COVID-19 lockdown period, and the excitement was palpable!

Sessions for both primary and high schoolers were developed to align with the STEM curriculum and delivered with generous support from Principal Partner QPAC. The education program for World

Science Festival Brisbane was launched on 9 October 2020, providing teachers necessary time to obtain administrative approvals and integrate with lesson planning.

In **PHYSICS – THE LANGUAGE OF THE UNIVERSE**, students embarked on a journey through space and time. The building blocks of the universe were unpacked in **CHEMISTRY – THE SCIENCE OF CHANGE, LIFE AND EXPLOSIONS**. In **BIOLOGY – THE CIRCLE OF LIFE** we explored the most complex example of life ever known humans!

Students explored the depths of the universe in **LIGHT AND THE SOLAR SYSTEM**, while heroes at the forefront of the fight against COVID-19 shared their experiences in **PANDEMIC – THE RACE FOR A CURE**.

PIONEERS IN SCIENCE rounded out the education program, with a line-up of inspirational scientists – including Australia's Nobel Laureate Brian Schmidt – sharing invaluable insights into their fascinating career trajectories, and some of the secrets of the universe they have found along the way.

Two **APPRENTICE PROGRAMS** invited students to experience real-life science behind-the-scenes with sessions at the Queensland Herbarium and with expert researchers at QIMR Berghofer Medical Research Institute.

Schools were encouraged to complement their excursion with free daytime programming in The Nucleus, a walk through the CurioCities or a visit to Queensland Museum for *The Hatchery*, *SparkLab*:

Sciencentre and *Sea Monsters: Prehistoric Ocean Predators* exhibition.

Thanks to an ongoing partnership with BHP, a delegation of more than 350 Queensland students travelled to Brisbane to partake in a packed itinerary including visits to *The Hatchery*, *Sea Monsters: Prehistoric Ocean Predators*; *SparkLab: Sciencentre* and a host of World Science Festival Brisbane events.

AUDIENCES

World Science Festival Brisbane inspires, challenges and connects with diverse audiences: in-person and online.

ATTENDANCES

World Science Festival Brisbane 2021 attracted more than 113,000 attendances – onsite and online. Capacities for physical events were capped to align with COVID-safe regulations. Attendances by event type, including year-on-year variations, are provided in table one, below.

TABLE 1: TOTAL ATTENDANCES (BY EVENT TYPE)

Type	2016	2017	2018	2019	2020	2021
City of Science	20,000	60,000	92,000	96,447	0	59,236
Queensland Museum	69,475	90,304	68,811	69,019	0	40,228
Ticketed Events	17,423	20,576	21,608	22,712	0	7,896
Non-ticketed events	1,710	2,000	2,848	2,000	0	0
Affiliate Events	8,662	2,965	5,188	2,721	0	485
Digital4	0	0	0	0	0	5,424
Total Attendances	117,270	175,845	190,455	192,899	0	113,269

Audience profiling was obtained from intercept surveys conducted at City of Science and Queensland Museum and post-event surveys sent to ticket holders. Most in-person events were attended by individuals living in the local Brisbane area (refer table two, below). Non-local visitation was bolstered by high school students visiting from intrastate Queensland participating in educational programs supported by BHP.

Attendees who travelled further than 200 kilometres stayed overnight, either with family or friends or in paid accommodation, generating 12,342 visitor nights. Direct and incremental spending in Queensland as a result of World Science Festival Brisbane 2020 is estimated at \$3.6 million⁴.

TABLE 2: ATTENDANCES BY GEOGRAPHIC ORIGIN (BRISBANE)

GEOGRAPHIC BASE	2016	2017	2018	2019	2020	2021
Brisbane	81%	78%	79%	80%	0	87%
Intrastate	15%	18%	17%	17%	0	12%
Interstate	3%	3%	3%	3%	0	1%
International	1%	1%	1%	1%	0	0%

PARTICIPANTS

World Science Festival Brisbane 2021 featured 148 participants joining both online and in person, from Australia, Germany, Kenya and the United States.

The expert line-up included the return of Australia's favourite science communicator Dr Karl as well as World Science Festival Brisbane alumni international physicist and World Science Festival co-founder Brian Greene, Nobel Laureate Brian Schmidt, pioneering immunologist Ian Frazer and renowned radio broadcaster Norman Swan. Making their World Science Festival Brisbane debut were celebrated film director Damon Gameau, cellular agriculture researcher Bianca Lê and climate activist and conservationist Amelia Telford.

A global pandemic did not halt international participation, with an array of talented specialists joining virtually, including leading expert on psychedelics Matthew W Johnson; fire historian Stephen Pyne, award-winning science journalist Wendy Zukerman; esteemed epidemiologist and senior member of US President Joe Biden's COVID-19 advisory board Michael T Osterholm; Nobel Laureate in Physics and world-renowned astrophysicist Andrea Ghez; organic photovoltaics and energy research expert Alexander Colsmann and astronaut and entrepreneur Richard Garriott de Cayeux.

Joining international voices was an incredible line-up of Australian talent including space technology innovator Adam Gilmour; Indigenous land management expert Victor Steffensen and architect and design innovation specialist Tuba Kocaturk.

In recognition of their contribution, World Science Festival Brisbane donated and planted one tree for each of our participants. A full list of participants is provided at Appendix 3.

VOLUNTEERS

World Science Festival Brisbane 2021 was supported by 108 generous volunteers who contributed more than 480 hours of invaluable support across the five days and four days of the event.

Our dedicated Volunteer Coordinator reconnected with our extensive volunteer database that has grown steadily over the past five years. There was immediate interest, with 56 per cent of this year's cohort returning for a second (third, fourth, and in some cases fifth) time. Students studying a Diploma of Event Management at TAFE Queensland South Bank Campus were offered vocational placements as part of their Enhance the Customer Service Experience subject, gaining hands-on experience working on a major event.

Volunteer roles included activity assistants, greeters, wayfinding and front-of-house support. Volunteers were placed according to individual interests and motivations. Volunteers attended a compulsory orientation session, where they received an overview of the program, COVID-safety management advice and general information on protocol and responsibilities.

The hugely popular Terra Firma activity was coordinated by a rotating team of 50 enthusiastic BHP staff. Operating in shifts, the BHP volunteers shared their knowledge of Earth Sciences with audiences and ensured the smooth running of the hands-on activities.

After a competitive application process, six Griffith University Film School students were offered internships to capture, produce and create digital record of World Science Festival Brisbane 2021, resulting in daily highlights reels published across social media.

SOCIAL IMPACT

In 2019, Queensland Museum Network partnered with PwC Australia to measure the intangible benefit of World Science Festival Brisbane, specifically, its impact on STEM engagement and learning across four key outcomes:

1. Inspire lifelong curiosity, development and involvement in STEM in formal and informal ways;
2. Encouraging greater STEM participation from under-represented groups (women and First Peoples);
3. Foster a society more comfortable with science and increase awareness of related social issues; and
4. Create an environment that fosters collaboration and engagement across different sectors of the STEM network.

Using 2019 results as the baseline, the assessment was repeated in 2021 to further authenticate insights. Survey questions and methodology were refined to increase the quantity and diversity of responses.

The 2021 assessment aligns closely with 2019 findings, and engagement with World Science Festival Brisbane remains positive, notwithstanding programming changes necessary in the face of COVID-19, and, more broadly, reduced community participation in large-scale events of this type.

HIGHLIGHTS INCLUDE:

- Over half of all attendees 'agree' that attending allowed them to make more informed decisions. Those who attended a mix of ticketed and free events reported the best outcomes.
- 99% of attendees that have attended the Festival previously, indicate they will attend again.
- 76% attendees with children indicated they attended as they believe it is important for their children to engage in science.
- 90% of parents/caregivers reported that content was accessible, engaging and interesting for children.
- 81% of volunteers report to feeling more informed and more confident to have STEM-related conversations with others.
- Partners and participants strongly agreed that the Festival is an important mechanism for STEM learning and engagement and offers valuable opportunities to network with STEM professionals.



Endless smiles were on show at The Science of Happiness, as part of the City of Science program in the Queen Street Mall.



MARKETING

The 2021 marketing campaign positioned World Science Festival Brisbane as a vibrant, COVID-safe experience.

Marketing was underpinned by 'The Wonder of Why' creative treatment established in 2020. All activity was designed to showcase the Australian exclusivity, build brand awareness and create a clear call to action. Campaign spend was directed to drive ticket sales and online engagement.

The campaign was augmented by a nation-wide competition delivered in conjunction with Strategic Partner Tourism and Event Queensland. A family from Victoria won an all-expenses paid trip to Bundaberg including VIP access to the Mon Repos Turtle Centre to experience the baby turtles hatching in the wild.

Marketing was bolstered by cooperative activity from Tourism and Events Queensland, Brisbane Economic Development Agency, ABC Radio National and The Weekend Edition, resulting in more than **\$570,000 bonus media value**.

Four choirs joined together to sing a collection of songs exploring science, the environment and the universe at *Earth Hour*.

ADVERTISING

- Television commercials on free-to-air and playback on Channels 7, 9, 10 and SBS, including promotional placements during *Married at First Sight*, *10 News First*, *Neighbours*, *The Good Doctor*, *Weekend Sunrise* and *SBS World News*.
- Radio advertisements and live-read promotions on NOVA, B105 and ABC Radio Brisbane.
- Print advertisements in *Art Guide*, Creative Brisbane *What's On Guide* and Curiosity Brisbane program.
- Homepage buyouts and takeovers on The Weekend Edition and Must Do Brisbane websites.
- Digital advertising via social media targeting local and interstate audiences.

OUTDOOR

- 229 banners and flags within a 10-kilometre radius of Brisbane CBD, including high-traffic areas Roma, George and Queen Streets, North Quay and Victoria Bridge.
- Extensive signage throughout South Bank Cultural Precinct and South Bank Parklands, including prominent billboards at QPAC, Melbourne Street Overpass and Queensland Museum.
- Digital large-format billboards and JCDecaux Citylights panels throughout Brisbane, Sydney and Melbourne.
- Red lighting Brisbane's most iconic landmarks including Victoria, Kurilpa and Story Bridges; Treasury Casino and neighbouring Reddacliff Place; King George Square and Brisbane City Hall; QPAC and the adjacent Wheel of Brisbane.

OWNED DIGITAL AND SOCIAL CHANNELS

- 147,773 unique visitors to worldsciencefestival.com.au, resulting in 532,989 page views.
- 18 eDMs distributed to 27,180 subscribers, achieving an average open rate of 17.4% and click-through rate of 2.09%.
- More than 30,334 page views of digital content (livestream, podcasts and audio tours) including views from 15 countries and 326 pieces of social media content.
- 7,177,791 impressions and 87,731 engagements on Facebook, Instagram, YouTube and Twitter.

COLLATERAL

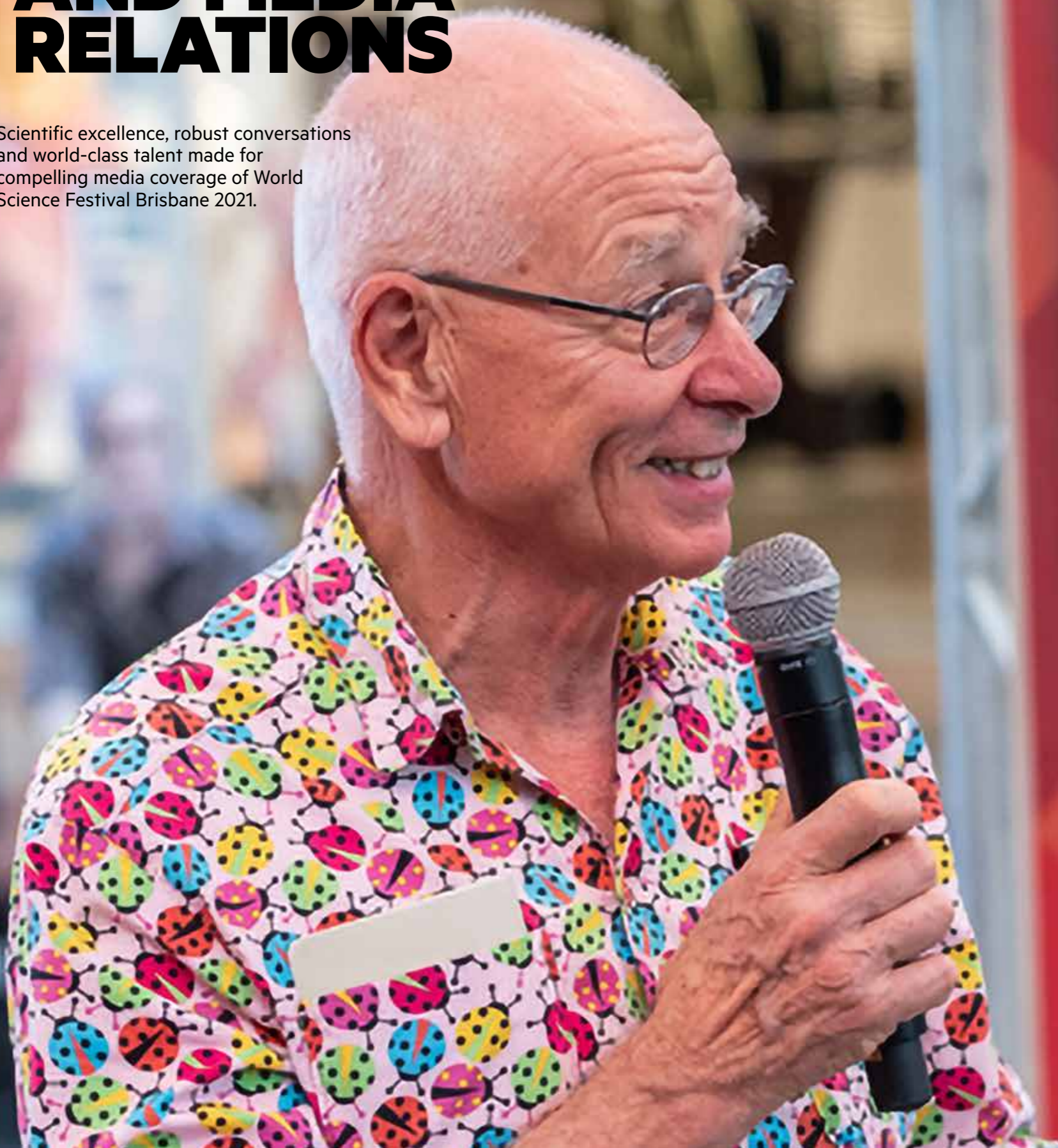
Audiences were encouraged to use their devices to access program information online, in order to reduce quantities of printed collateral, in line with the Festival's sustainability policy.

Collateral included:

- 29-page program distributed to Festival venues and Brisbane Visitor Information Centre.
- City of Science promotional fold-out flyer and map distributed to coffee shops, libraries and social hubs throughout South East Queensland.
- Inclusion in *What's On* guides for Brisbane City Council Libraries, Creative Brisbane, Brisbane Kids and in Curiosity Brisbane program.

PUBLICITY AND MEDIA RELATIONS

Scientific excellence, robust conversations and world-class talent made for compelling media coverage of World Science Festival Brisbane 2021.



Dr Karl ignited imaginations over Science Lunch in the Queen Street Mall, during City of Science.

Targeted media relations commenced in February 2021 to coincide with the program launch. Over the next seven weeks, more than 400 pitches were made to local and national media and seven media releases were issued. These opportunities were supplemented by a comprehensive media kit, image and video library and Media Accreditation program. During World Science Festival Brisbane 2021 accredited media received a daily bulletin and in-event opportunities.

Publicity and media relations activity resulted in **612 published stories**, with an Advertising Space Rate (ASR) **\$13,816,727** reaching a cumulative audience of **1,200,000,000+ billion viewers**. As demonstrated in table three, below, online provided the highest coverage, reach and value.

Highlights include:

- Two media calls including official program announcement on 7 February and Opening Day media activity on 24 March.
- Print coverage included a three-page feature in *The Courier-Mail QWeekend* on 27 February and a dedicated *Factor-X* two-page lift out in *The Sunday Mail* on 21 March; a story in *The Australian* featuring City of Science activity on 28 March; an online profile piece on participant Kirsty Short in *The Australian* on 12 March and *The Weekend Australian Magazine* 13-14 March, and national News Corp coverage profiling young technology experts.
- Radio interviews included Dr Karl on NOVA 106.9FM, 97.3FM and 4KQ breakfast, plus SBS Radio interviewed three First Nations scientists involved in the program.
- Television coverage included an interview with Dr Karl for Channel 10 Studio 10 on 26 March; state-wide weather cross on Channel 9 News on 25 March and Sky News Sunday Edition live interview with technology reporter Djuro Sen on 28 March.

TABLE 3: COVERAGE⁸ BY MEDIA TYPE
1 MAY 2020 – 31 APRIL 2021

Type	Number stories	Audience reach	ASR (\$)
Online	505	1,232,266,554	11,398,46
Radio	58	1,470,500	839,887
Print	28	5,029,007	531,271
Television	21	4,247,000	1,047,102
TOTAL	612	1,243,013,061	13,816,727

⁸ Estimate only; does not include publications without iSENTIA or Meltwater licencing agreements.

PARTNERSHIPS

World Science Festival Brisbane 2021 was generously supported by 24 partners across government, academia and industry.

The Queensland Government continues as our most staunch benefactor, having contributed \$9 million to bring World Science Festival Brisbane to life since 2019.

Strategic Partners **Tourism and Events Queensland** and **Brisbane Economic Development Agency** (formerly Brisbane Marketing) have been by our side from the very beginning, helping us to position World Science Festival Brisbane as a unique education-tourism opportunity and the feature event of Curiosity Brisbane.

A curated offering of thought-provoking conversations forms the heart of World Science Festival Brisbane. These rigorous discussions were elevated by invaluable input from Academic Partners **Griffith University**, **QUT** and **The University of Queensland**, providing financial support and access to their distinguished and enthusiastic staff and alumni. Award-winning broadcast journalists Cathy Van Extel, Jonathan Webb, Norman Swan, Teagan Taylor and Dr Karl moderated our discussions, thanks to Media Partner **ABC Radio National**.

Long-term Queensland Museum Network supporter **BHP** ensured that Brisbane truly transformed into the **City of Science**, activating 10 precincts with 86 events, including live performances, conversations and activities and the hugely popular *Terra Firma*.

Our vision for an all-new digital program was made a reality thanks to **BHP Foundation**. From awe-inspiring podcasts and interviews, to captivating audio trails and educational resources, this digital content will be a lasting legacy for World Science Festival Brisbane.

Queensland Museum's Cultural Precinct neighbours **QPAC**, **Queensland Art Gallery | Gallery of Modern Art** and **State Library of Queensland** helped us to showcase the intersection of science and art with the *All in the Mind* film program and future-focused workshops. QPAC generously supported our education program and provided expertise in ticketing, promotion and event production including state-of-the-art live broadcasting technology and implementation of Dejero video production.

The new *Libratorium* program was delivered with thanks to Program Partner **Brisbane City Council**.

The spectacular sky dome at the Sir Thomas Brisbane Planetarium was the canvas for world premiere of *Return to Planet Earth*. Technical and creative expertise of **Folklore Sound** and **Romeo Digital** ensured that our podcasts, audio tours and AR experiences were of the highest quality. We connected with new and diverse audiences thanks to a new media partnership with **The Weekend Edition**.

For the second year running, we captured essential audience data via a social impact assessment conducted by **PwC Australia**. The first of its kind to be applied to a science festival in Australia, the impact assessment provides critical insights to understanding the legacy of major events.

Early childhood experts **C&K** returned to City of Science, delivering play-based STEM activities for our youngest aspiring scientists. We embarked on a new partnership with West Village to host a series of sustainability-focused activities, and we are grateful for support from our Program Partner QIMR Berghofer Medical Research Institute for contributions to the Apprentice Program.

Our Official Suppliers empower us to deliver a multifaceted event with numerous moving parts. **AARNet** delivered world-class streaming technology, **Mantra South Bank** accommodated our participants in style – effortlessly adjusting to last-minute border closures – while **South Bank Parklands** profiled the event throughout their beautiful grounds. As we activate programs in regional Queensland throughout 2021, we are grateful for the continued support of **Shell's QGC Business**.

Queensland Museum Network is committed to ensuring World Science Festival Brisbane partnerships are premised on a shared vision, clearly articulated outcomes and measurable, mutually rewarding impacts in STEM. Partner benefits include program development, ticketing, stakeholder engagement, brand awareness and onsite activations. Many partners leveraged their association through cooperative marketing, networking and stakeholder engagement initiatives.

OUR PARTNERS

Queensland Museum Network is grateful for the generous contribution made by our partners to help realise World Science Festival Brisbane 2021.

PRESENTED BY

QUEENSLAND
MUSEUM



Queensland
Government

AN EVENT OF

CURIOSITY
BRISBANE

WITH SUPPORT FROM

STRATEGIC PARTNERS

TOURISM
& EVENTS
Queensland

brisbane
ECONOMIC DEVELOPMENT AGENCY
BRISBANE CITY COUNCIL

CITY OF SCIENCE PARTNER

BHP

ACADEMIC PARTNERS

Griffith
UNIVERSITY
Queensland, Australia

QUT

THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

COMMUNITY PARTNER

QGC

MEDIA PARTNERS

WRN

THE WEEKEND
EDITION
SLEEP IN. SLEEP DOWN. ENJOY.

PRINCIPAL PARTNERS

BHP | Foundation

Qpac
QUEENSLAND
PERFORMING
ARTS CENTRE

FUTURES PARTNER

pwc

PROGRAM PARTNERS

Dedicated to a better Brisbane

C&K Childcare &
Kindergarten
Early Learning since 1907

FOLKLORE

WAGAMA

QIMR Berghofer
Medical Research Institute
THE FUTURE OF HEALTH

SL State Library
of Queensland

WEST VILLAGE
BRISBANE

OFFICIAL SUPPLIERS

aarnet
Australia's Academic
and Research Network

mantra
south bank

South Bank
Parklands

ROMEO



| APPENDICIES

APPENDIX 1: NOMENCLATURE

Activity provider	an individual or organisation that provided programming at Queensland Museum, or as a part of City of Science.
Attendee/ance	an individual who attended World Science Festival Brisbane events.
Affiliate event	approved activities staged by third party organisations under the aegis of the World Science Festival Brisbane brand.
eDM	electronic direct mail.
Event	individual activities that comprised the official World Science Festival Brisbane program – performance, conversation, City of Science, film, etc.
Participant	an individual who took part in a World Science Festival Brisbane event as a speaker or performer (excluding Performers and Activity Providers).
Performances	the number of times an individual event was performed.
Program	the collective noun for all individual events that comprise World Science Festival Brisbane.
QMN	Queensland Museum Network.
Ticketed	an event where attendees were required to make a booking to secure a ticket and take part.

APPENDIX 2: ACTIVITY PROVIDERS

	Name
1	Australian Catholic University
2	Bee One Third
3	Big Bang Education
4	BOP Industries
5	Brisbane Botanic Gardens, Mt Coot-tha Education Team
6	Brisbane Catchments Network
7	Bulimba Creek Catchment
8	C&K
9	Cheep Trill
10	CoralWatch
11	Creative Kids Brisbane
12	Dani Wolff-Chambers
13	Earth Guardians
14	Goethe-Institut
15	It's Rocket Science
16	Jake Clark
17	Jaye Irving
18	Lab Kids
19	Laila Helena
20	Little Green Thumbs
21	Lucy Legan
22	OMIR Berghofer
23	Queensland AI Hub
24	Queensland Herbarium
25	Queensland Robotics
26	Queensland State Archives
27	Queensland XR Hub
28	QUT Vox Pop
29	Red Rocket 3
30	Skunk Control
31	STEAM Circus
32	STEM Punks
33	Substation 33
34	Tech Girls Movement Foundation
35	The Ecotones
36	The University of Queensland
37	UQ Demo Troupe
38	Young Engineers Brisbane North

APPENDIX 3: PARTICIPANTS

	Name	Representing Partner Organisation	Geographic Origin
1	Adam Gilmour		Queensland, Australia
2	Aidan Byrne	The University of Queensland	Queensland, Australia
3	Aiman Al-Najjar*	The University of Queensland	Queensland, Australia
4	Alex Vanek		Queensland, Australia
5	Alexa Dewar		Queensland, Australia
6	Alexander Colsmann*		Baden-Württemberg, Germany
7	Alison Douglas	Queensland Museum Network	Queensland, Australia
8	Amanda Niehaus	The University of Queensland	Queensland, Australia
9	Amelia Luu*	QUT	Queensland, Australia
10	Amelia Telford*		Queensland, Australia
11	Andrea Ghez*		California, United States
12	Andrew Smith	Griffith University	Queensland, Australia
13	Andrew White	The University of Queensland	Queensland, Australia
14	Ashleigh Musk		Queensland, Australia
15	Ashley Hay	Griffith University	Queensland, Australia
16	Ben Powell	The University of Queensland	Queensland, Australia
17	Bernie Hobbs		New South Wales, Australia
18	Beth Durack*		Queensland, Australia
19	Bianca Lê*		Victoria, Australia
20	Bradley Moggridge*		New South Wales, Australia
21	Brett Sutton*		Victoria, Australia
22	Brian Greene*		New York, United States
23	Brian P. Schmidt*		New South Wales, Australia
24	Carl Smith	ABC Radio National	Queensland, Australia
25	Carrie McCarthy	Griffith University	Queensland, Australia
26	Cathy ter Bogt	Queensland Museum Network	Queensland, Australia
27	Cathy Van Extel	ABC Radio National	Queensland, Australia
28	Charlotte Petit	QUT	Queensland, Australia
29	Cheryl Praeger*		Western Australia, Australia
30	Chris Burwell	Queensland Museum Network	Queensland, Australia
31	Christine Jackman		Queensland, Australia
32	Corey Tutt*		New South Wales, Australia
33	Corinna Bonshek		Queensland, Australia
34	Daniel Tobin		Queensland, Australia
35	Darryl Potter	Queensland Museum Network	Queensland, Australia
36	David Flannery	QUT	Queensland, Australia
37	Deb Mostert		Queensland, Australia
38	DJ Black Amex		Queensland, Australia
39	Karl Kruszelnicki		New South Wales, Australia
40	Erin O'Rourke		Queensland, Australia
41	Espen Knutsen	Queensland Museum Network	Queensland, Australia
42	Fanny Boulaire	QUT	Queensland, Australia

*Virtual participants

	Name	Representing Partner Organisation	Geographic Origin
43	Gary Cranitch	Queensland Museum Network	Queensland, Australia
44	Geoff Smith		Queensland, Australia
45	Geoff Thompson	Queensland Museum Network	Queensland, Australia
46	George Gittoes		Queensland, Australia
47	Geraldine Barlow	QAGOMA	Queensland, Australia
48	Graham Moes		Queensland, Australia
49	Helen Marshall	The University of Queensland	Queensland, Australia
50	Hope One		Queensland, Australia
51	Hugh Possingham		Queensland, Australia
52	Ian Frazer	The University of Queensland	Queensland, Australia
53	Ian Lowe	Griffith University	Queensland, Australia
54	J.M. Donellan		Queensland, Australia
55	Jamila Rizvi*		Victoria, Australia
56	Jasmin McGaughey		Queensland, Australia
57	Jeannette Young*		Queensland, Australia
58	Jenna Robertson		Queensland, Australia
59	Jennifer Blakely	Queensland Museum Network	Queensland, Australia
60	Joel Gilmore		Queensland, Australia
61	John Byron	QUT	Queensland, Australia
62	John Healy	Queensland Museum Network	Queensland, Australia
63	Jonathan Fulcher		Queensland, Australia
64	Jonathan Roberts*	QUT	Queensland, Australia
65	Jonathan Webb	ABC Radio National	New South Wales, Australia
66	Joni Sytsma		Queensland, Australia
67	Josh Calcino	The University of Queensland	Queensland, Australia
68	Julien Louys	Griffith University	Queensland, Australia
69	Karen Ferry*		New South Wales, Australia
70	Kerrie Mengersen*	QUT	Queensland, Australia
71	Kirsty Short	The University of Queensland	Queensland, Australia
72	Krissy Kneen		Queensland, Australia
73	Kristin Stewart*		Queensland, Australia
74	Lana Tukaroa		Queensland, Australia
75	Larisa Labzin	The University of Queensland	Queensland, Australia
76	Larissa Deak		Queensland, Australia
77	Lee Constable		Queensland, Australia
78	Libby Harward		Queensland, Australia
79	Liesel Zink		Queensland, Australia
80	Linsey Pollak		Queensland, Australia
81	Lizzie O'Keefe		Queensland, Australia
82	Lucas Stibbard		Queensland, Australia
83	Malcolm Turnbull*		New South Wales, Australia

	Name	Representing Partner Organisation	Geographic Origin
84	Margaret Ross*		Victoria, Australia
85	Marisa Giorgi	Queensland Museum Network	Queensland, Australia
86	Marissa McNamara	Queensland Museum Network	Queensland, Australia
87	Martina Clarke		Queensland, Australia
88	Matt Kirkegaard		Queensland, Australia
89	Matthew W. Johnson*		Maryland, United States
90	Meaghan Scanlon		Queensland, Australia
91	Michael Pfrunder	QUT	Queensland, Australia
92	Michael T Osterholm*		Minnesota, United States
93	Michael Wagels*		Queensland, Australia
94	Michelle Taylor		Queensland, Australia
95	Mike Rix	Queensland Museum Network	Queensland, Australia
96	Mike Willmet		Queensland, Australia
97	Myrthe Snoeks	The University of Queensland	Queensland, Australia
98	Natasha Mulcahy		Queensland, Australia
99	Nathan Boase	QUT	Queensland, Australia
100	Nathan Sibthorpe		Queensland, Australia
101	Neridah Waters		Queensland, Australia
102	Nicholas Hadnutt	Queensland Museum Network	Queensland, Australia
103	Nichole Barry*		Victoria, Australia
104	Niraj Lal		Victoria, Australia
105	Norman Swan	ABC Radio National	New South Wales, Australia
106	Olivia Carter*		Victoria, Australia
107	Owen Seeman	Queensland Museum Network	Queensland, Australia
108	Patrick Couper	Queensland Museum Network	Queensland, Australia
109	Paul Burton	Griffith University	Queensland, Australia
110	Paul Likhaitzky*		Victoria, Australia
111	Paul R Young	The University of Queensland	Queensland, Australia
112	Paulina Schuemann		Queensland, Australia
113	Rachel A. Ankeny*		South Australia, Australia
114	Rachel Janes*	Griffith University	Queensland, Australia
115	Raina MacIntyre*		New South Wales, Australia
116	Rhianna Patrick		Queensland, Australia
117	Richard Causer		Queensland, Australia
118	Richard Garriott*		Texas, United States
119	Richard Taylor	QUT	Queensland, Australia
120	Robert Raven	Queensland Museum Network	Queensland, Australia
121	Ruth Luscombe		Queensland, Australia
122	Sally Wasef	Griffith University	Queensland, Australia
123	Sarah Daniel*	The University of Queensland	Queensland, Australia
124	Sarah Koppen		Queensland, Australia

	Name	Representing Partner Organisation	Geographic Origin
125	Sasha Purcell*		United States
126	Scott Hocknull	Queensland Museum Network	Queensland, Australia
127	Scott Millar		Queensland, Australia
128	Shae Antich		Queensland, Australia
129	Shipra Narang Suri*		Nairobi, Kenya
130	Sophie Cunningham*		Victoria , Australia
131	Soul Song Choirs		Queensland, Australia
132	Stacey Thomson		Queensland, Australia
133	Stefan Hattingh		Queensland, Australia
134	Stephen Pyne*		United States
135	Steve Wilson	Queensland Museum Network	Queensland, Australia
136	Tamara Davis	The University of Queensland	Queensland, Australia
137	Tanja Beer	Griffith University	Queensland, Australia
138	Tegan Taylor	ABC Radio National	Queensland, Australia
139	Terry Miller	Queensland Museum Network	Queensland, Australia
140	Thomas Ireland*		Queensland, Australia
141	Tishiko King		Victoria, Australia
142	Todd Knight	Queensland Museum Network	Queensland, Australia
143	Tony Matthews	Griffith University	Queensland, Australia
144	Tuba Kocaturk*		Victoria, Australia
145	Victor Steffensen		Queensland, Australia
146	Wendy Zukerman*		New York, United States

2021 Education program Science of Change, Life and Explosions.



See you at World Science Festival Queensland 2021

TOWNSVILLE

7 AND 8 MAY

CHINCHILLA

6 AND 7 JUNE

GLADSTONE

29 AND 30 AUGUST

TOOWOOMBA

10 AND 11 OCTOBER

IPSWICH

7 AND 8 NOVEMBER

World Science Festival Brisbane 2021: In Review
Text and images © Board of the Queensland Museum

World Science Festival Brisbane | Presented by Queensland Museum

A Corner Grey and Melbourne Streets
South Brisbane QLD 4101

P +61 7 3153 3000

E info@worldsciencefestival.com.au

W worldsciencefestival.com.au

Webster the Peacock Spider
entertains children at
The Libratorium.



