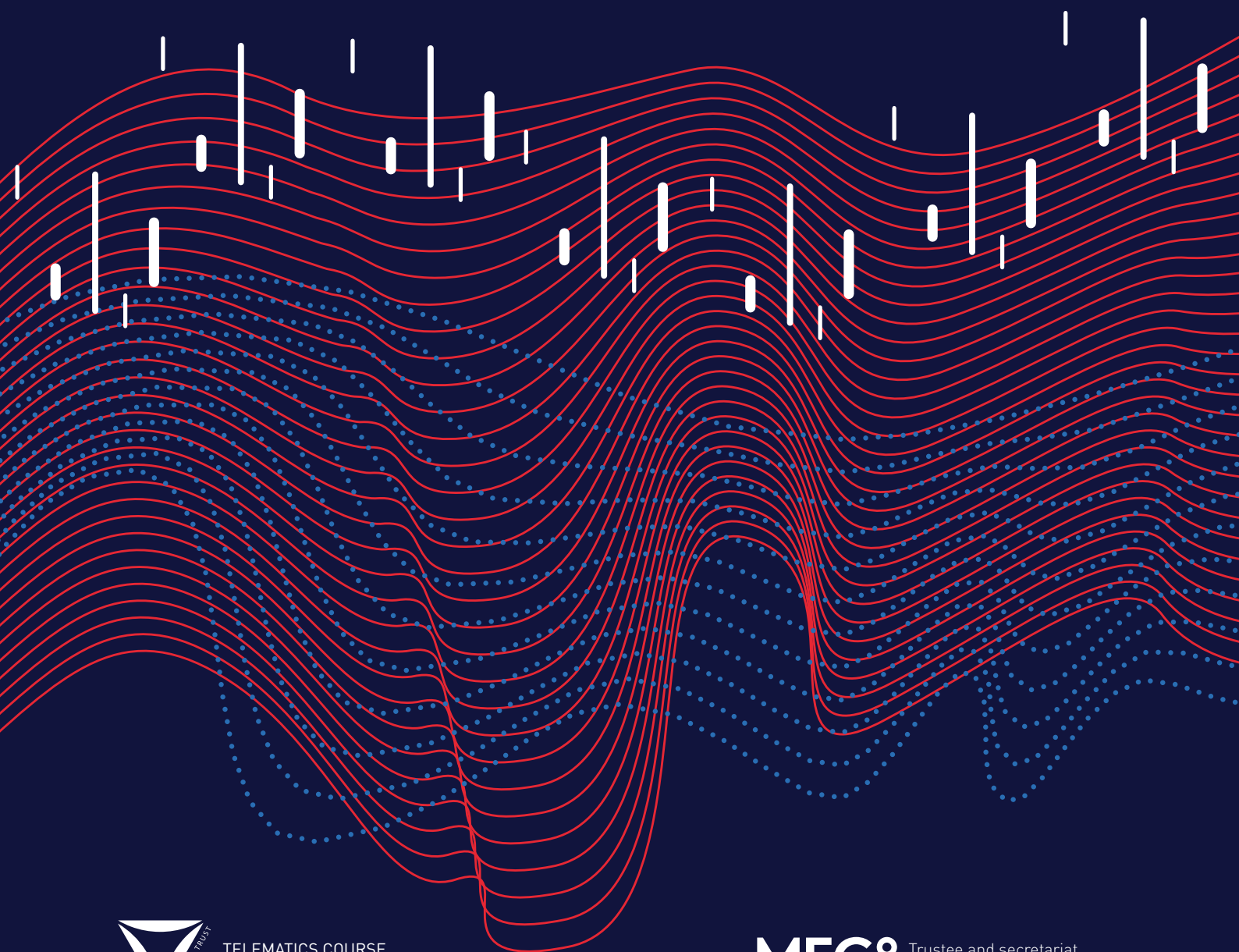


Annual Review | 2016

TELEMATICS TRUST



TELEMATICS COURSE
DEVELOPMENT FUND

MFC^o

Trustee and secretariat
services provided by MFCo



A YEAR IN REVIEW

As the Trust approaches its 30th anniversary since being signed into existence by the former Premier of the State of Victoria, The Hon John Cain, on 18th December 1987, the Trustees determined this was an opportune time to revisit the strategy and granting priorities of the Trust. In its time since inception, over \$10.6m has been granted by the Trust through to predominantly community organisations, universities and business enterprises. Victorian communities that have benefited have received support in the areas of vocational education and training, health promotion, general curriculum and training in technology such as coding and software development.

The recent granting practice of the Telematics Trust has been a series of small, one-off grants valued at up to \$30,000 and awarded over two funding rounds in the year to invest seed funding into innovative projects that have a unique way of deploying technology. In this review, we outline 9 projects that were successful in the usual funding round process conducted in the first half of 2016.

A 2016 strategic review in the second half of the year took the form of a series of conversations with organisations and experts active in both the learning and training domains that benefit Victorians through a range of community programs and technology platforms. We learned from the State Library of Victoria about adapting business models to education and learning in an age of technology, the emerging role of Impact Investing in funding education and training in the 'EdTech' sector, and the emergence of new technologies driving education and training like artificial intelligence and virtual reality.

The strategic review was also informed by a survey of alumni from the last 5 years of grants, as Trustees were keen to understand the longer-term progress of projects funded, additional funding leveraged, and what the Trustees could learn about future granting from the success profiles. Three organisations that have successfully used seed funding from Telematics Trust to establish a transformational business model for their organisation are also profiled in this review.

Going forward, and following the strategic review, the Trustees have reset the priorities and granting criteria for the Trust to now include:

- An increase in the maximum size of the small, one-off grants to \$50,000 which will be advertised in the first half of 2017
- The creation of a large, multi-year grant opportunity for an alumni of Telematics Trust that the Trustees feel to be the most deserving of second-round funding which will be determined in the second half of 2017

The Trustees are looking forward to celebrating the 30th anniversary of the Trust through the successful implementation of this strategy, and working more collaboratively with other partners and stakeholders, including the State Government, to create some remarkable opportunities for education and training in Victoria, our 'Education State'.

Sujatha Pannell, Trustee
Ricci Swart, Trustee
Sally Joy, Trustee
Danny Gorog, Trustee



OUR VISION

Our vision is for technology to transform lives through education and training for the cultural, social and economic benefit of Victorians.

Our Mission

The Trust is committed to funding initiatives that support our vision by demonstrating innovative use of technology through education and training.

The initiatives demonstrate the innovative use of technology through education and learning, and they aim to measurably improve the well-being of the community and environment.

The Trust provides unique funding opportunities to individuals, educational institutions, government, business, social enterprises and not-for-profit organisations.

The Trust funds initiatives that use technology to reach diverse groups and address important practical problems in our community and environment through education.

Our History

The Telematics Course Development Fund (Telematics Trust) is a public charitable trust founded on 18 December 1987 by the Hon. John Cain, then Premier of Victoria. The Trust was initially funded with a \$3 million grant by the Victorian State Government over a two year period, and its corpus has since grown to over \$12 million.

The Trust was established for the purposes of public education and training in Victoria, for the promotion of the development, marketing,

sale and delivery by 'telematic means' of education and training courses, and for the use of new information technologies for distance learning outside existing educational and training institutions within Victoria.

Since 1988, the Telematics Trust has assisted numerous organisations through the provision of grants, equity and debt investments in projects that the Trustees believe will further or promote technology-based education and training in Victoria.

The Telematics Trust is committed to the development and use of new information and communication technologies (ICT) that support innovative educational initiatives within Victoria and as such provides unique funding opportunities to individuals, educational institutes, business and not-for-profit organisations that are exploring the possibilities of using information and communications technology for educational purposes.

The Trust is particularly interested in targeting and funding the application of information and communications technology to learning processes and projects that:

- Are in need of special attention;
- Would be assisted by seeding grants; and
- Are not within the province of other funding bodies.

30 YEARS OF TELEMATICS TRUST

Trust funding since inception

399

Grants Issued

263

Granted to
Individual
organisation &
college faculties

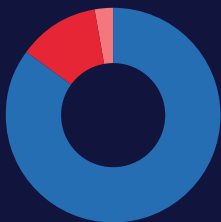
**OVER
\$10
MILLION**

Granted since
inception in 1988

**OVER
\$13
MILLION**

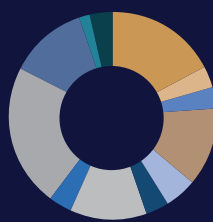
Calculated
for inflation

Location of Organisation's Headquarters



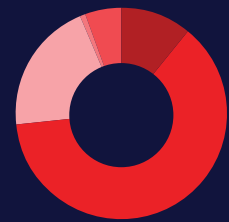
ASGC Remoteness
Area Classification

Major City	85%
Inner Regional	12%
Outer Regional	3%



Classification by
Regions Outside Melbourne Metro

Central Highlands	4%	Ovens Murray	2%
Geelong	3%	Yarra Valley	1%
Goulburn	1%	Gippsland	3%
Great South Coast	1%	New South Wales	2%
Loddon Capaspe	2%	Queensland	0.3%
Mallee	1%	South Australia	1%
Mornington Peninsula	1%		

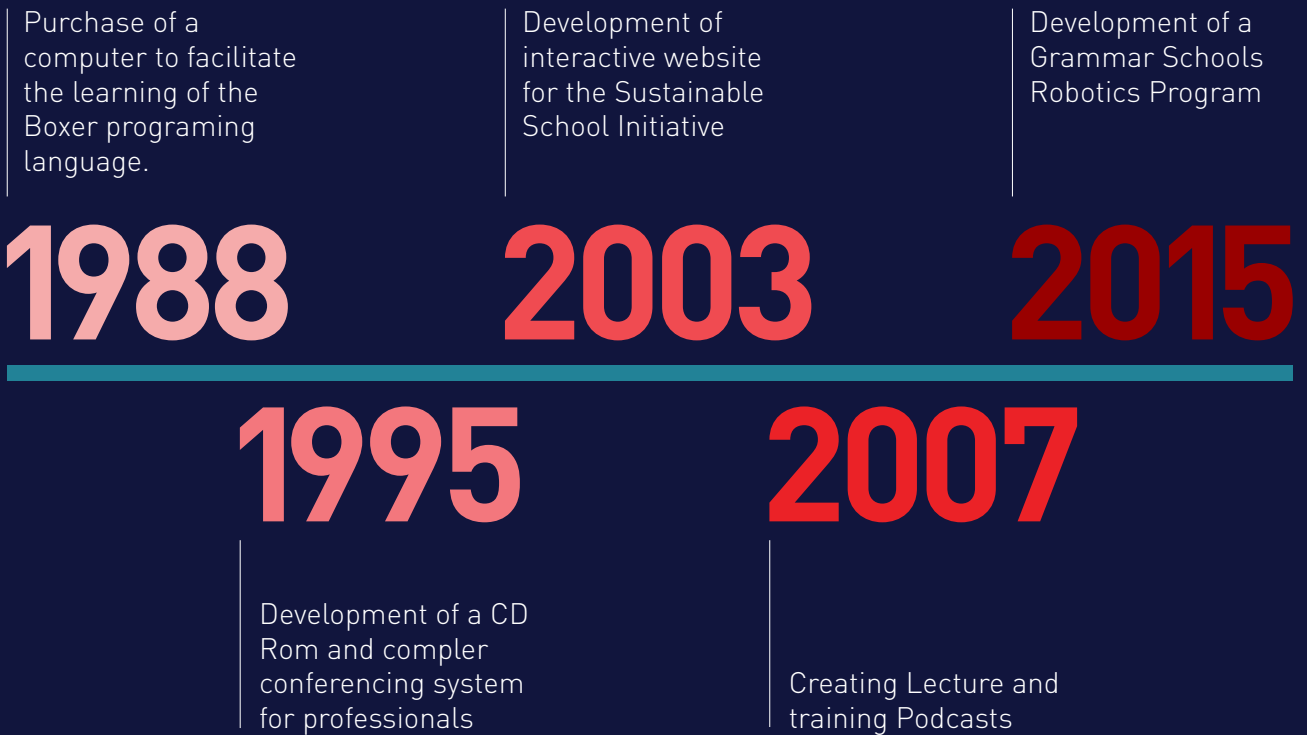


Classification by
Melbourne Metro Region

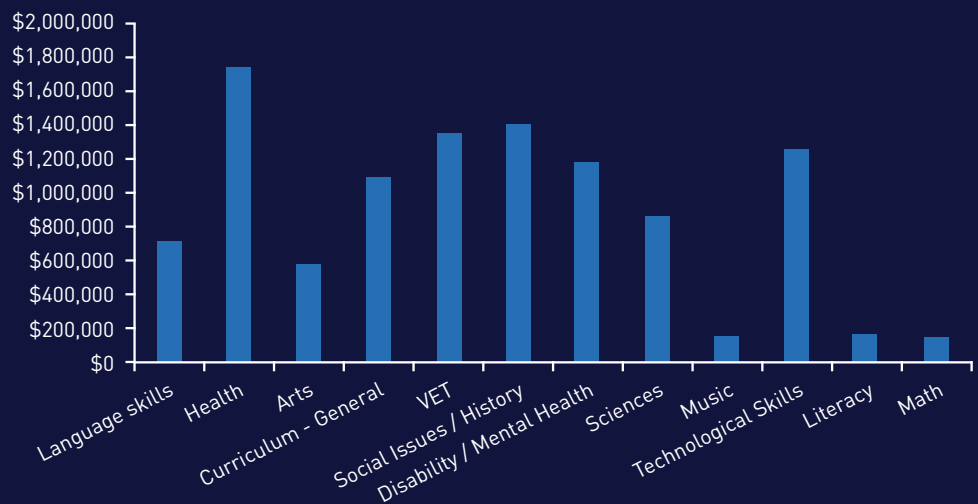
Eastern Metro	9%
Northern Metro*	51%
Southern Metro	16%
South-East Metro	1%
Western Metro	4%

* Includes Melbourne CBD & Inner-suburbs

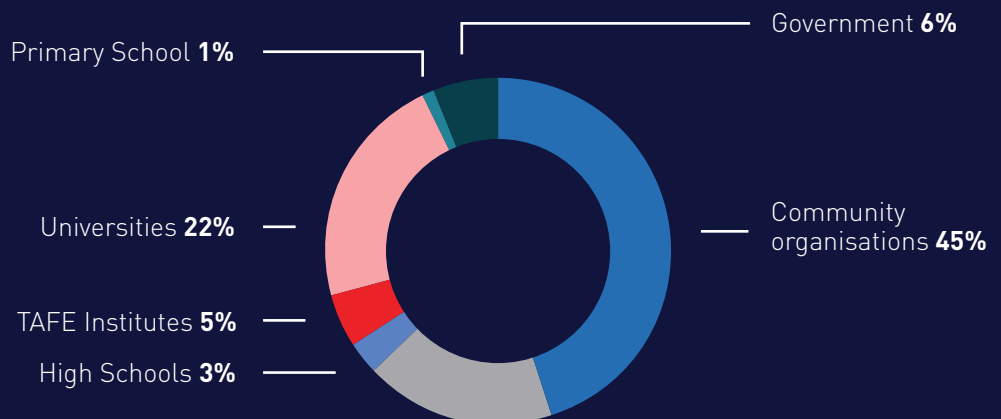
Milestone Grants



This graph shows the focus areas that the Trust has granted to in that time.



The Trust has supported a range of different organisations in its granting over the years. This graph charts the spread of these grants since inception.





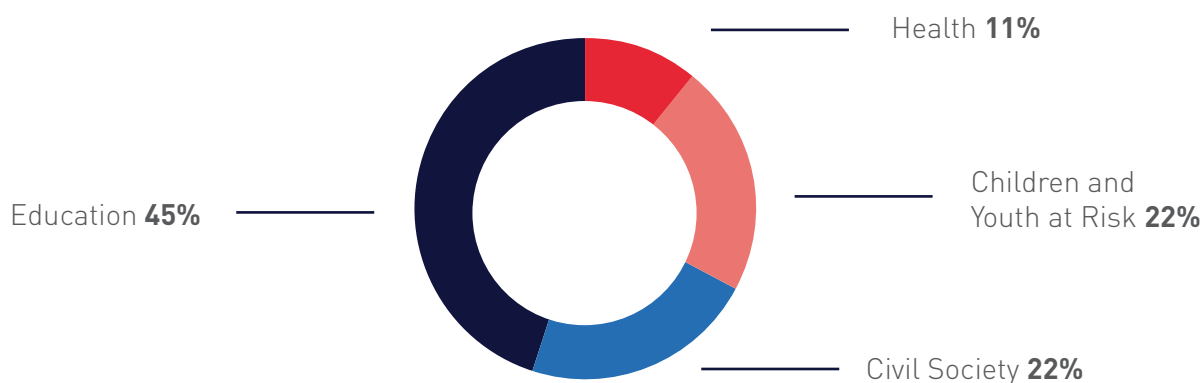
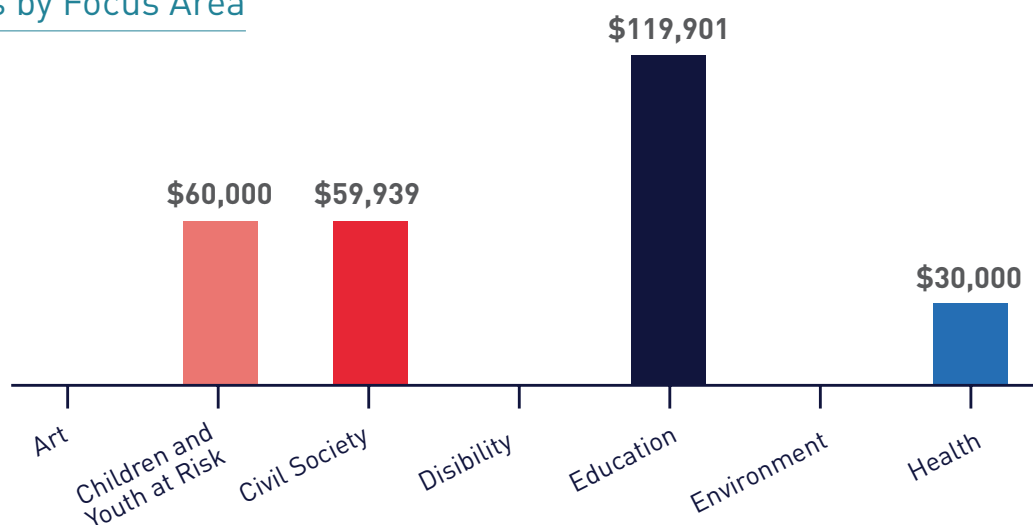
OUR REACH IN 2016

In the first half of 2016, the Telematics Trust supported 9 innovative projects in the last of the funding rounds offering one-off grants of up to \$30,000 each prior to the strategic review.

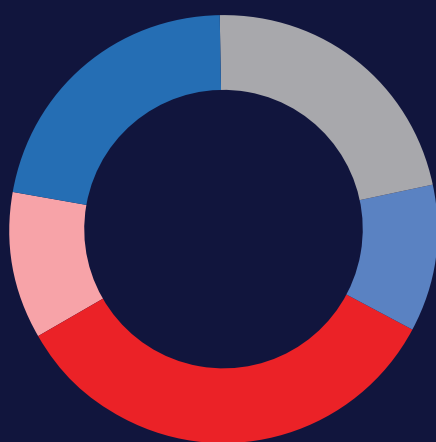
9 **\$269,840**

Grants Approved Value of Grants

Grants by Focus Area



Grants by Project Type



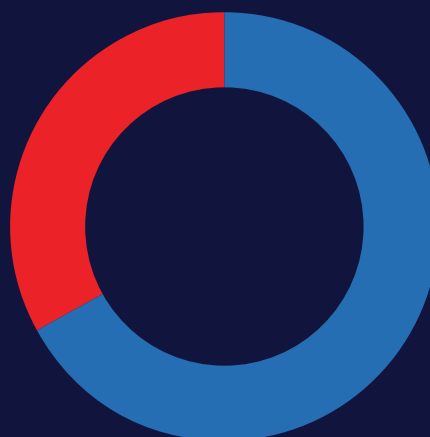
● Apps	22%
● Course Material / Software	11%
● Course or Program Delivery	34%
● Robotics / UAV / 3D Printing	11%
● Website / On-line Hub	22%

Percentage of Total Grants \$

22%	Apps	Number of Grants: 2 Value of Grants: \$60,000
11%	Course Materials / Software	Number of Grants: 1 Value of Grants: \$29,901
34%	Course or Program Delivery	Number of Grants: 3 Value of Grants: \$59,939
11%	Website/On-line Hub	Number of Grants: 2 Value of Grants: \$60,000
22%	Robotic / UAV / 3D Printing	Number of Grants: 1 Value of Grants: \$30,000

Grants by Organisation Type

Universities **33%**



Community organisations **67%**



OUR YEAR

In 2016, the Telematics Trust supported a number of innovative projects and granted in the following project areas:

Grants by Project Type

APPS

Grants Approved: 2

Value of Grants: \$60,000

Percentage of Total Grants: 22%

On the Line Australia Limited is a passionate organisation that has been providing counselling services for more than 55 years.

Clinician Prescribed Suicide App, \$30,000

The Trust is supporting On the Line to create a Suicide Prevention App that clinicians can prescribe to their patients. This App, will be available on both android and iOS platforms and will allow the clinician to personalise the content to their patient, manage the patient between face-to-face visits and also provide long-term self-management. The App will provide immediate access to 24/7 clinical counselling through a number of suicide help-lines. It will also allow patients to formulate strategies to self-manage their illness and reduce episodes of suicide ideation.

Drummond Street Services is a not for profit community service organisation which has been in lives of Victorian families since 1887.

My Monitor, \$30,000

The Trust is supporting Drummond Street Services to create a mobile App to support safe communication and shared parenting arrangements, supported by a professional, third party monitoring and moderating, to separated couples where family violence was preswent.

COURSE MATERIALS/SOFTWARE

Grants Approved: 1

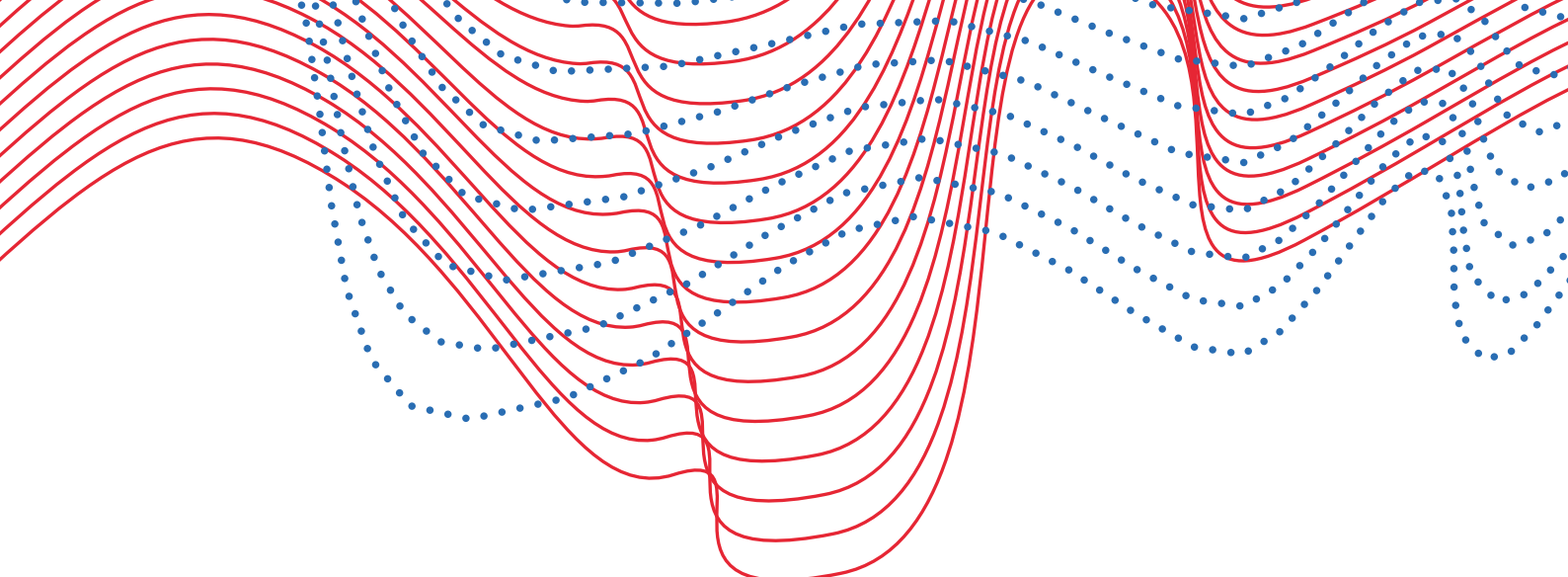
Value of Grants: \$29,901

Percentage of Total Grants: 11%

Monash University is Australia's largest university, with approximately 60,000 students (and 250,000 alumni) from over 170 countries and is ranked amongst the world's most prestigious universities

3D Animation to Reclaim Indigenous Languages, \$29,901

The Trust is supporting Monash University to create 3D animations to bring a collective of four endangered Victorian Indigenous languages to life through stories that engage younger generations. The 3D animation will be shared online to schools and individuals across Australia and internationally.



COURSE OR PROGRAM DELIVERY

Grants Approved: 3

Value of Grants: \$59,939

Percentage of Total Grants: 34%

Code the Future Ltd is a community of volunteer developers and educators who provide opportunities for students of all ages, in schools across Australia to learn how to code. It was founded in November 2014 and is based in Melbourne.

10,000 Kids Coding the Future, \$30,000

The Trust is supporting Code the Future to improve coding education in schools and to teach 10,000 students how to code by December 2016. Code the Future will connect volunteer developers with teachers and schools to make these opportunities possible.

Royal Melbourne Institute of Technology is a global university of technology, design and enterprise and enjoys an international reputation for excellence in professional and vocational education, applied research, and engagement with the needs of industry and the community.

Bushfire Evacuation Planning at Mt Alexander Shire, \$29,939

The Trust is supporting RMIT to build on completed research conducted at RMIT, which the Trust previously supported. Using simulation, RMIT will work with the Mt Alexander Municipality Fire Management

Planning Committee to model scenarios using community specific data. The simulator will allow communities to identify problems or risk in their existing evacuation plan and explore alternative plans.

Specialisterne Centre Australia Ltd was originally founded in Denmark 2004 and works to enable jobs for high functioning people with Autism. The Specialisterne Centre Australia was established in 2015, and has so far filled over 50 employment opportunities for people with Autism.

The Dandelion Program – Specialisterne STEMLabs Victoria, \$30,000

The Trust is supporting Specialisterne to deliver a tailored pre-employment program, for Tertiary students with Autism throughout Victoria, using Lego Mindstorm robots and Agile methodology SCRUM to identify aptitudes for STEM activities, including software testing and coding.

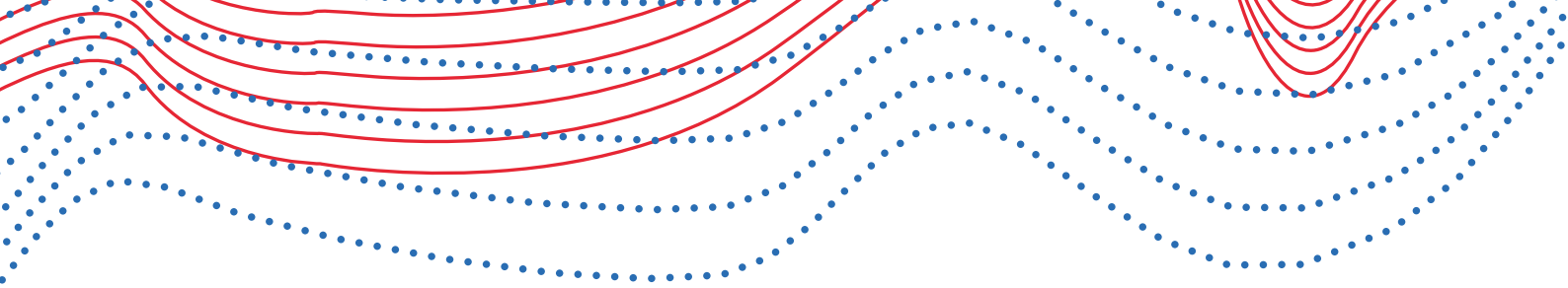
WEBSITE/ON-LINE HUB

Grants Approved: 2

Value of Grants: \$60,000

Percentage of Total Grants: 22%

Maccabi Australia Inc. is the largest Jewish grass-roots organisation in Australia. It exists to promote Jewish identity and continuity – connecting the Jewish community through sport.



Maccabi Member Protection Fund, \$30,000

The Trust is supporting Maccabi Australia to build a web-based member training platform for sports coaches, officials, administrators, members and parents to ensure training procedures are implemented and adhered to at all levels of the organisation throughout Australia. The training will incorporate an accredited child protection program.

Walter and Eliza Hall Institute of Medical Research is the oldest research institute in Australia and celebrated its centenary in 2015.

A Free Online Database of Biomedical Animations for Public Education, \$30,000

The Trust is supporting the Walter and Eliza Hall Institute to create a free on-line database of educational and scientifically accurate 3D biomedical animations. The animations have been created by Emmy and BAFTA award-winning artist Drew Berry. The institute aims to make the learning resources freely available to schools and universities, along with the general public, to assist with STEM education and also to inspire young people to consider a future in science.

ROBOTICS / UAV / 3D PRINTING

Grants Approved: 1

Value of Grants: \$30,000

Percentage of Total Grants: 11%

Birchip Cropping Group (BCG) is a not-for-profit agricultural research and extension organisation led by farmers in the Wimmera and Mallee regions of Victoria, who aim to improve the prosperity of farmers and agriculture communities through farmer-driven innovation.

Practical Applications for UAVs on Broadacre Farms, \$30,000

The Trust is supporting BCG to evaluate and demonstrate methodologies for the integration of UAV based remote-sensing into on-farm practice. To do this multiple UAV flights and data collection will be completed over ten paddocks over the 2016 growing season. Data will be compared with similar data collected using alternative means, such as handheld sensors, yield maps and satellite imagery. BCG will compare the accuracy, reliability, resolution and ease of use of the data.

STORIES OF IMPACT FROM TELEMATICS TRUST ALUMNI

The following projects are a selection of grants made to a diverse range of organisations by the Trust over the last five years that the Trustees believe showcases the innovative projects that the Trust supports, and the breadth of its impact.

Melbourne Symphony Orchestra - MSO iPhone App

The Melbourne Symphony Orchestra (MSO) is an arts leader and Australia's oldest professional orchestra. Engaging over 2.5 million people each year, the MSO reaches a variety of audiences through live performances, recordings, TV and radio broadcasts and live streaming.

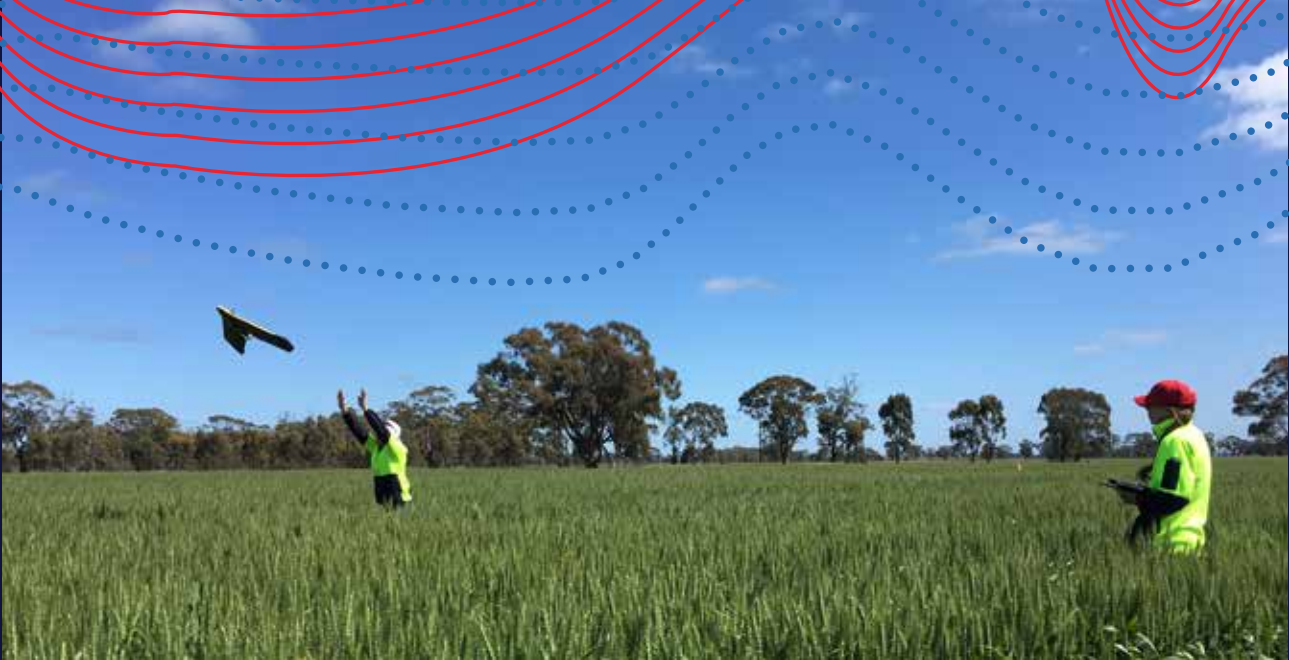
In 2010 the MSO approached the Trust for a grant to create an iPhone app designed to inform, educate and inspire the public through an innovative and approachable mobile app introducing the mechanics and also the human face of the MSO.

In June 2011 they launched their app, named 'MSO Learn' which was the first app of its kind to offer the user an advanced interactive audio-visual exploration of an orchestra, featuring the different instrumental families, individual instruments and the musicians who played them. The app enables users to explore the various sections of the orchestra through rich graphics and a soundtrack to highlight individual musical sections. Users can also delve further again to learn and listen to each instrument and meet a member of each section from the MSO.

The app gained 10,000 downloads within its first month of launching and the outstanding success of the pilot gave the app moment to go on to include many more interactive elements.

The Trustees are delighted with the success that this app has had and the educational benefits it provides to its users.





BCG Drone Flight - take off POTW

Birchip Cropping Group Yield Prophet upgrade and UAV projects

The Birchip Cropping Group (BCG) is a not-for-profit agricultural organisation led by farmers from the Wimmera and Mallee regions of Victoria. They aim to improve the prosperity of Australian broadacre farmers through applied science-based research, and extension.

They rely heavily on grant funding and partnerships to enable them to make a meaningful difference. To date, the Telematics Trust has been instrumental in supporting two of their key projects.

In 2015 the Trust supported their project **"It's time for an upgrade: revamping the Yield Prophet® decision-support system to continue bringing cutting-edge scientific research to farmers"**. They comprehensively revamped the Yield Prophet website and agricultural decision support tool to make it more accessible, usable, and intuitive for farmers in turn leading to improved profitability and sustainability which is beneficial for the agricultural industry and regional and rural communities.

The Trust has since gone on to fund a second project with BCG: "Practical applications for UAVs on broadacre farms" where they have explored, validated, and educated about the ways in which drones can be integrated into agricultural research activities and on-farm practices.

"In both cases, funding from the Telematics Trust has allowed us to implement the full process of research, analysis, and extension critical to achieving the desired impact.

We highly recommend the Telematics Trust to other organisations in regional and rural Victoria for the value of their support, and their willingness to support a broad range of technology-focused projects."

Birchip Cropping Group

The Trustees selected this organisation due to its representation of how they have taken their unique and innovative platform and ensured that it is up to date with current technologies.





NFP launchpad

Justice Connect – Launchpad and Pathfinder Projects

Justice Connect deliver access to justice through pro bono legal services to people experiencing disadvantage and the community organisations that support them.

The Telematics Trust funded Justice Connect's Launchpad project in 2013 to create the Getting Started section of Not-for-profit Law's Information Hub.

The purpose of the project was to create self-help resources for community groups looking to start up, help them decide whether to incorporate, which structure to choose, and then how to incorporate once their decision was made. This grant enabled them to publish seven webpages which hosted over 12 resources for Victorian community groups, as well as an animated video. These new resources are now also supported by a regular series of webinars and have been accessed over 70,000 times.

An important part of their project was evaluation of the 'Getting Started' resources. They undertook control tested observations of people trying to solve legal issues related to starting a not-for-profit online. This evaluation confirmed that their approach was working, and also gave them insights into what they could do more.

In 2016 the Trust granted to Justice Connect for a follow-up project to implement the learnings from their evaluation. In particular, they had been presented with an opportunity to work alongside Melbourne Law School and Neota

Logic to develop interactive web applications on legal issues which was exactly the type of tool that the evaluation showed that people wanted. They undertook to improve the navigational pathways on the site through what they have called the "Pathfinder", which is a sophisticated search and suggestion tool to help people find relevant content on the site.

"As our journey with Telematics has progressed, so has our appetite for digital legal education work. We now run a whole range of webinars on many different topics for not-for-profits, and have expanded the Information Hub to cover every jurisdiction in Australia.

We are looking forward to developing more online self-help resources for not-for-profits and individuals with unmet legal needs, to which help-seekers can be directed to via our new Legal Help Gateway. Not-for-profit Law is particularly interesting in developing e-learning.

Because of the support provided by the Telematics Trust, Justice Connect is now considered a leader in online community legal education, and we are regularly asked to share our learnings across the sector. We are passionate about sharing what we have learnt with other legal assistance agencies and beyond, and continuing to develop increasingly sophisticated strategies and impactful products."

Justice Connect



OUR TRUSTEES

Sujatha Pannell B.A. (Hons) Dip. Ed.

Sujatha Pannell was appointed in June 1998. Since retiring from the position of Senior Manager with the National Assessment Program - Literacy and Numeracy (NAPLAN), she has been acting as an Education Consultant. She has undertaken consultancies for The University of Melbourne, The Victorian Curriculum and Assessment Authority (VCAA) and for the Australian Curriculum and Assessment Authority (ACARA). Prior positions include General Manager of the Education Trust Victoria, a company established to build partnerships between business, the community and government schools. Before that she was a Senior Policy Officer in the Multimedia and Cross-Sectoral Programs Branch of the Office of the Secretary in the Department of Education. Sujatha began her career as a teacher, and later was Secretary to the Board of the Victorian Curriculum and Assessment Board and to the Board of Studies.

Ricci Swart BEc (Monash)

Ricci Swart was appointed in December 2009. Ricci has over twenty years' experience in multimedia development and film production and extensive experience in the education sector. She founded Ricci Swart Multimedia Pty Ltd, which produced award winning documentaries and a feature film which screened in Australia and internationally. She also founded dotPhilanthropy, a consulting firm advising the philanthropic sector on the potential of information technology.

Ricci was the inaugural Manager of the Victorian Government's Multimedia 21 Fund and was on the Advisory Committee of the Film Victoria, Digital Media Fund. She was previously a Board Member of The Koorie Heritage Trust,

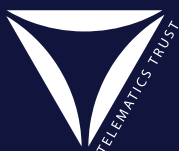
The Centre for Adolescent Health and the Australian Centre for the Moving Image (ACMI). Ricci is currently Chair of ACMI's Marketing & Development Sub-Committee, and on the Board of Governors of Haifa University (Israel). She is also a Board member of Shir Madness (Jewish Music Festival).

Sally Joy

Sally Joy was appointed in December 2009. Sally has worked in education technology for more than twenty five years. She worked at Monash University for twenty years in a wide range of roles including Head of the Department of Marketing and Associate Dean, Education, Technology and Innovation and was the inaugural academic director for Open Universities Australia and worked with Think Education as Victorian State Director and Deputy Director of Think Futures. Sally is currently the Campus and Online Manager for SAE Qantm. Sally is published widely in the area of education and buyer behaviour and has a strong interest in how technology supports a move to a more sustainable lifestyle. She has worked with the Telematics Trust since 1996 and chaired the funding assessment group for over ten years.

Danny Gorog

Danny was appointed in March 2014. Danny is a co-founder and Director of Outware Mobile. He has extensive experience in business management and has founded a number of successful start-up businesses. Danny is a recognised IT industry personality with regular appearances in the Australian media including SEN and ABC Radio, The Age, Herald Sun and BRW. Danny is currently a Director and Board Member of Melbourne University Publishing and the Melbourne Symphony Orchestra.



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MFC^o

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services provided by MFCo

