



XXVIIth World Road Congress Prague

October 2023



About the World Road Congress

The first World Road Congress (WRC) was held 115 years ago in Paris with the WRC subsequently held every four years in a member nation, bringing together road industry stakeholders from across the globe.

The WRC is hosted by PIARC, the global roads association body with 125 member nations and consultative status to the Economic and Social Council of the United Nations.

The last WRC was held in 2019 in Abu Dhabi, with Roads Australia (RA) leading the Australian delegation alongside Austroads.

The 2023 edition was held in Prague from October 2-6 with RA again partnering with Austroads to lead the Australasian delegation.

Thousands of senior transport leaders and officials attended from across the globe including more than 40 ministerial delegations.

The program comprised a broad range of workshops, technical sessions, speeches and presentations with the Australasian delegation sharing their technical knowledge and expertise across the fields of engineering, sustainability and asset management with international counterparts.

This report provides a snapshot of the key activities attended by and involving the Australasian delegation across an insightful week in the Czech Republic.



WRC Congress Hall

Australasian Delegation Members

First Name	Last Name	Job Title	Organisation
Carlos	Solis-Navarro	Principal Pavements Engineer	AECOM
Peter	Jamieson	Managing Director	Anditi Pty Ltd
Yesh	Balaram	Chief Services Officer	ARRB Systems
Alana	Sutherland	Chief Operating Officer	ARRB Systems
Samantha	Teh	Sales & Marketing Coordinator	ARRB Systems
Dominic	Waterhouse	Civil Engineer	ARUP
Naïla	Mazzucco	Senior Trade and Investment Commissioner	Austrade
Zdenka	Kotalova	Senior Business Development Manager	Austrade, Pragu
Dr Andrew	Wheeler	Executive Director	Australasian Certification Authority for Reinforcing and Structural Steels Ltd (ACRS)
Anna	D'Angelo	Executive Director Technology & Leadership	Australian Flexible Pavement Association
Carlos	Rial	Chief Executive Officer	Australian Flexible Pavement Association
Dr Geoff	Allan	Chief Executive [PIARC Vice President and Chair of the Strategic Planning Commission]	Austrroads
Kirsten	McKillop	Director, Strategy and Governance	Austrroads
Amy	Naulls	Program Manager Transport Network Operations	Austrroads
Nick	Hill	Chief Executive	Building Officials Institute of New Zealand (BOINZ),
Jeff	Dusting	Chief Operating Officer	CBS Group Pty Ltd
Sarah	Taylor	Director, Strategy and Technology	CBS Group Pty Ltd
Alison	Close	Partner	Clayton Utz

Australasian Delegation Members

First Name	Last Name	Job Title	Organisation
Dr Ana	Glavinic	A/Executive Director, Road and Marine Services	Department for Infrastructure, South Australia
Jon	Whelan	Chief Executive	Department for Infrastructure, South Australia
Shafiq	Alam	Manager, Climate Transition Engineering	Department of Transport & Main Roads, Queensland
Dr Robert	Heywood	Specialist Technical Engineer (Contractor) Structures	Department of Transport & Main Roads, Queensland
Dr Torill	Pape	Director (Structures Design, Review and Standards)	Department of Transport & Main Roads, Queensland
Dr Jean	Sandall	Director, Customer Research and Insights	Department of Transport & Main Roads, Queensland
Duncan	Ward	Engineer (Contractor) Structures	Department of Transport & Main Roads, Queensland
Matthew	Hall	Senior Specialist – Managed Motorways and Network Optimisation Network Engineering Change – Assets and Engineering Network Design and Integration	Department of Transport and Planning, Victoria
Peter	Gill	Managing Director, Infrastructure	Donald Cant Watts Corke
Simon	O'Hara	Chief Executive Officer	Freight NSW
Simon	Hunt	Strategic Asset Engineer Engineering Solutions	Fulton Hogan
Dave	Rendall	National Strategic Temporary Traffic Management Lead	Fulton Hogan
Kay	Salvair Smith	Managing Director	Fusion Advisory
Geoff	Webb	Principal	GR Webb Consulting Pty Ltd
Allen	Browne	Executive General Manager Technical & Innovation	Hiway Group
Caroline	Evans	Principal Policy Officer, Research and Economics	Infrastructure Victoria
Rob	McInerney	Chief Executive Officer	iRAP
Greg	Smith	Global Programme Director	iRAP

Australasian Delegation Members

First Name	Last Name	Job Title	Organisation
Judy	Williams	Global Programme & Communications Manager	iRAP
Mark	Olive	ANZ Market Director – Roads	Jacobs
Ann	Lopez	Co-Owner	Lopez Bros Transport Pty Ltd.
Louis	Bettini	Principal Advisor Sustainability Strategy & Communications	Main Roads Western Australia
Alan	Colegate	Acting Executive Director Strategy and Communications	Main Roads Western Australia
Jayantha	Kodikara	Director of ARC Hub for Smart Next Generation Transport Pavements – SPARC, Department of Civil Engineering	Monash University
Abhinav	Vidyarthi	PhD candidate, Mobility Design Lab, Department of Design	Monash University
An	Nguyen	Chief Executive Officer	North East Link State Tolling Corporation
Louise	Bilato	Executive Officer	NT Road Transport Association
Michael	Caltabiano	Chief Executive Officer	NTRO
John	Esnouf	Specialist Road Surfacing Consultant	NTRO
Joe	Grobler	Principal Technology Leader / State Leader QLD, Safer Smarter Infrastructure	NTRO
Dr Clarissa	Han	National Leader / Chief Technology Leader, Sustainability and Materials Performance	NTRO
Nick	Marinelli	Non-Executive Director	NTRO
David	McTiernan	National Leader, Transport Safety	NTRO
Steve	Patrick	Senior Technology Leader	NTRO
Erik	Denneman	Global Technical Manager	Puma Energy
Chaminda	Gallage	Associate Professor in Geotechnical Engineering Faculty of Engineering	Queensland University of Technology

Australasian Delegation Members

First Name	Last Name	Job Title	Organisation
Angela	Grogan	Marketing Manager – Membership and Programs	Roads Australia
Ehssan	Veiszadeh	Chief Executive	Roads Australia
Aneetha	de Silva	President	Roads Australia (Managing Director – Government Australia & New Zealand, Aurecon)
Andrew	Eckersley	Head of Network Performance	Transurban
Tammie	Miller	Circular Solutions Manager	Tyre Stewardship Australia
Greg	White	Director, Airport Pavement Research Program	University of the Sunshine Coast
Brett	Gliddon	General Manager Transport Services [New Zealand’s First Delegate to PIARC]	Waka Kotahi NZ Transport Agency
Neil	Fisher	Land Transport Security Operations Manager	Waka Kotahi NZ Transport Agency
Jack	Hansby	Manager Tactical Asset Investment	Waka Kotahi NZ Transport Agency
Fabian	Marsh	Senior Manager Road Safety	Waka Kotahi NZ Transport Agency
Stuart	Woods	Lead Advisor – Resilience	Waka Kotahi NZ Transport Agency
Mark	Faulkner	Asset Manager, Brisbane Metro RAMC2 Contract	WSP Australia Pty Limited
James	Smithers	Infrastructure Advisory lead	WSP Australia Pty Limited
David	Stuart-Watt	Client Director for Transport ANZ	WSP Australia Pty Limited
Susan	Chamberlain	Senior Principal Engineer, Strategic Asset Management	WSP Australia Pty Limited

Australasian Delegation Welcome Reception

Before official proceedings commenced at the WRC, Austroads hosted a welcome reception for members of the Australasian delegation to build and strengthen bilateral and intranational connections.

Jon Whelan, Chief Executive of South Australia's Department for Infrastructure and Transport addressed the delegation, emphasising the opportunities for information sharing and learning across the course of the week and how this new knowledge can be brought back to Australasia to support the work of RA member organisations.

Attendees then heard from several senior female transport leaders from Australia and beyond, sharing their career experiences and perspectives within the industry.

Speakers

Dr Torill Pape – Department of Transport and Main Roads

Caroline Evans - Infrastructure Victoria

Claudine Tremblay – Quebec Ministry of Transport

Emanuela Stocchi – Italian Association of Toll Highways Concessionaires Companies



RA at the welcome reception



Geoff Allan (Austroads) & Caroline Evans (IV)

XXVIIth World Road Congress opening

On October 2 the XXVIIth World Road Congress was officially opened, signalling the beginning of a week packed full of presentations and workshops from international transport experts.

The opening ceremony featured addresses from Czech Republic and Slovakian Transport Ministers, the Mayor of Prague and a keynote speech from Mr Nazi Alli, President of PIARC, touching on the WRC's theme of 'Together on the road again.'

European Transport Ministers discussed some of the global challenges facing the industry, including global supply chain pressures, regional conflicts, meeting sustainability obligations and constrained budgetary environments following the COVID-19 pandemic.

The PIARC 2023 Awards were presented by Claudine Tremblay, Chair of the Communication Commission of PIARC, to the best papers submitted in response to the international call

for papers for the Congress. Each prize winner received funding from a PIARC member who has volunteered to provide financial support.

It was pleasing to see an Australian group receiving recognition for their academic paper related to asset management and monitoring, including some talented individuals from the Department of Transport and Main Roads.

Key stats – XXVIIth WRC

750 abstracts

4,000+ delegates

300+ companies

35+ national pavilions



RA Australia and New Zealand Delegation Dinner

On the night of Day 2 of the WRC, Roads Australia hosted a delegation dinner for Australian and New Zealand delegates.

One of the highlights of the night was hearing from Andrew Eckersley, Head of Network Performance at Transurban.

Five years ago, at a PIARC conference in Lyon, Andrew experienced a lightbulb moment during a presentation on how pacemaker lighting was helping to reduce congestion and travel speeds in the Tokyo Bay Aqua Line Tunnel, which shares the same steep gradient profile as Melbourne's Burnley Tunnel.

This inspired Andrew into action, quickly moving to introduce the pacemaker lighting system in the Burnley Tunnel on his return to Australia. The new technology has been in operation for six months and has helped improve safety and efficiency by allowing drivers to maintain a consistent speed in the tunnel.

This case of a thought triggered at a previous

WRC leading to better transport outcomes here in Australia is an example of the importance of establishing and maintaining connections with international counterparts.

Andrew was joined for a panel discussion by senior Australian and New Zealand transport leaders in Jon Whelan, CEO of South Australia's Department for Infrastructure and Transport, An Nguyen, CEO of North East Link State Tolling Corporation and Brett Gliddon, General Manager Transport Services at Waka Kotahi NZ Transport Agency.

Across a wide-ranging discussion, panellists discussed the shared transport challenges they face, innovative ideas from their respective jurisdictions to meet these challenges and the unique opportunity they had to hear from technical experts from around the world at the Prague conference.



Ministerial Panel on Road Safety

Immediately following the WRC opening ceremony a Ministerial Panel on Road Safety was convened, with attendees hearing from PIARC President Nazir Alli about the importance of ongoing reform of transport infrastructure and operations to drive improved road safety outcomes.

A pre-recorded speech was delivered by Jean Todt, Special Envoy for Road Safety at the UN, where a target has been set for a 50 per cent global reduction in road deaths within the next seven years.

The International Transport Forum continues to lead road safety conversations at a global level in terms of policy and mobility. Modal shift as a necessary component of meeting international sustainability targets is expected to support a reduction in road deaths, with safety critical to making public transport available to communities.

The panel discussed the supporting infrastructure necessary to create safer transport systems and the importance of community engagement in meeting these challenges, particularly with data still emerging as to how the pandemic has changed travel patterns and behaviour.

Heads of delegations assigned to the Road Safety panel expanded on the work underway within their jurisdictions to increase road safety with nations like Spain, Canada and Ireland investing strongly in education. The Spanish representative highlighted the importance of making public transport accessible and affordable to shift perceptions and travel preferences.

In Latvia, there are a range of road safety programs underway which include confiscating vehicles of convicted drink drivers and donating these to people in need across Ukraine.

This forum provided an opportunity to listen to innovative approaches being taken overseas to tackle the road safety challenge and how decarbonisation is crucial to reducing the global road toll and creating a safer and more sustainable future.



Keynote speech – Ivan Miklos

Day two of the WRC was opened with a keynote address from Ivan Miklos, Former Deputy Prime Minister and Minister of Finance of the Slovak Republic.

The speech focused on geopolitical and economic connections of transport infrastructure development with Ivan utilising his knowledge and experience as a Minister to provide an update on global economic trends, where to next and what this means for infrastructure funding.

While economic forecasts are uncertain for the medium and long-term, Ivan stressed the importance of infrastructure pipelines being planned using a strategic lens with an increasing role for private capital given the scale of the infrastructure funding gap.

Ivan noted that China, as the current driver of international economic growth is not without complexity. Slower growth than previously predicted is now forecast with demographic trends, debt and productivity all causing a drag on China's economy. This was placed in contrast to the United States of America where the biggest threat envisaged by Ivan is political instability.

Russia's invasion of Ukraine has now reached an uncertain stalemate with capital flows set to be continually distorted as the EU supports Ukraine's military expenditure requirements.

Ivan described today's economic challenges as somewhat unprecedented and detached from the regular cyclical nature of boom-and-bust economies. There has been a shift from insufficient demand to insufficient supply and there is no longer unlimited public funding for infrastructure despite general expenditure increasing while revenues decrease.

China's Belt and Road Initiative was described as a poor solution to the need for more capital to support infrastructure development with Ivan encouraging the International Monetary Fund to support reform, driving increased private capital investment.

The takeaway from Ivan's keynote was an understanding that infrastructure investment can no longer be taken as a given during harsh economic and geopolitical times. Stable political and economic conditions are essential to ensuring we can deliver the transport investment essential to meeting the future needs of consumers.



Technical Session 1.1: Performance of Transport Administrations

On day four Technical Session 1.1 took place, chaired by Christos Xenophontos, Chair of PIARC TC 1.1 on Performance of Transport Administrations, United States of America.

The session included a presentation on asset management, frameworks and public value from Alan Colegate, Acting Executive Director, Strategy and Communications at Main Roads Western Australia.

PIARC's committee discussed case studies such as the National Highways in the UK's evidence-based approach to improving customer experience and the future of transport in places such as Dubai where there are plans for 4000 driverless taxis to be on the road by 2030.

Following committee presentations, the discussion turned to private-sector advice for

the public sector in terms of preparing for disruptive technologies. The private sector is expected to lead the development of technology to meet these challenges while there remain gaps in both government preparedness for future mobility and supporting infrastructure.

In order to ensure transport agencies are prepared for shifts in the nature of mobility, close collaboration with the private sector is essential, particularly with an understanding that the future of transport will be electric before it is autonomous.



Technical Session 1.4: Climate Change and Resilience of Road Networks

Caroline Evans, Principal Policy Officer at Infrastructure Victoria is the Chair of PIARC Technical Committee 1.4 and the current Co-Chair of the Climate Change, Resilience and Disaster Management Working Committee at the Road Engineering Association of Asia and Australasia.

Caroline chaired a technical session on climate change and resilient road networks, a subject that gained a high degree of interest given its increasing relevance to jurisdictions across the globe.

The Technical Committee provided an update on their current work including two key outputs. One of these is to identify uniform and holistic methodological approaches to climate change adaptation and other hazards resilience.

The second is to develop an updated version of the PIARC International Climate Change Adaptation Framework for Road Infrastructure, which lays out a process to identify transportation assets that might be vulnerable to climate change impacts, evaluate the level of risk, and provide guidance on when to make an adaptive response.

Earlier this year RA made a submission to the House of Representatives' Inquiry into the implications of severe weather events on the national regional, rural, and remote road network. It was pleasing to see the recommendations outlined in the report largely align with the views of international stakeholders facing the same problems on their networks.

A key takeaway from the session was the ongoing need for betterment funding to establish infrastructure suited to the climate of the future, better hazard identification and adaptive standards to meet the varied conditions and environments impacting on the resilience of road networks.



Workshop 3: Digital Infrastructure for Road Network Operations

Workshops accompanied technical sessions across the course of the WRC to provide another forum for expert knowledge to be shared on issues crucial to the ongoing sustainability and suitability of transport infrastructure.

Clarissa Han, Chief Technology Leader at the National Transport Research Organisation (NTRO) chaired the workshop on 'Digital Infrastructure for Road Network Operations' as part of her role as Co-Chair of Technical Committee 2.4: Road Network Operations and ITS.

A strong focus of the conversation was how large pools of data can be analysed, interpreted and communicated to provide benefit to government agencies and ultimately road users.

In the United States, there are over 30 states collaborating and participating in a data-sharing platform allowing for interstate insights and benefits to be shared.

Presentations and discussions also highlighted the use of data and digital infrastructure in enhancing traffic situational awareness. This includes new technologies that can evaluate the causes of congestion in comparison with other geographies to further grasp recurring delays, commuter behaviours and use this information to lift productivity on the road.

The question and answer session to finish the workshop opened up some important topics including the challenges for government agencies in moving from a data provider to a data consumer, particularly as the private sector is holding most of the transport tech skills and talents.



Workshop 4: Mitigation of bridge failure by large overloads

The workshop on ‘Mitigation of bridge failure by large overloads’ had a strong Australian flavour with Rob Heywood, Director, Heywood Engineering Solutions and FMA Engineering Services and Torill Pape, Director (Structures Design, Review and Standards), Department of Transport and Main Roads delivering a presentation.

Rob was also a participant in the panel discussion with counterparts from across five continents.

Rob and Torill’s presentation focused on how to manage the impact of non-compliant heavy vehicles on Queensland bridges. While the knowledge transferred by the Australian pair was gained through their local experience, attendees found their insights could be generalised with a high degree of confidence to their jurisdictions.

Their presentation included real-world examples of the impact heavy vehicles have on bridges

and how this is captured through bridge weigh-in-motion and structural health monitoring sensors.

Other presentations focused more broadly on the impact of overloaded vehicles on bridges and how government policy and existing and emerging technologies can be used to meet this challenge.

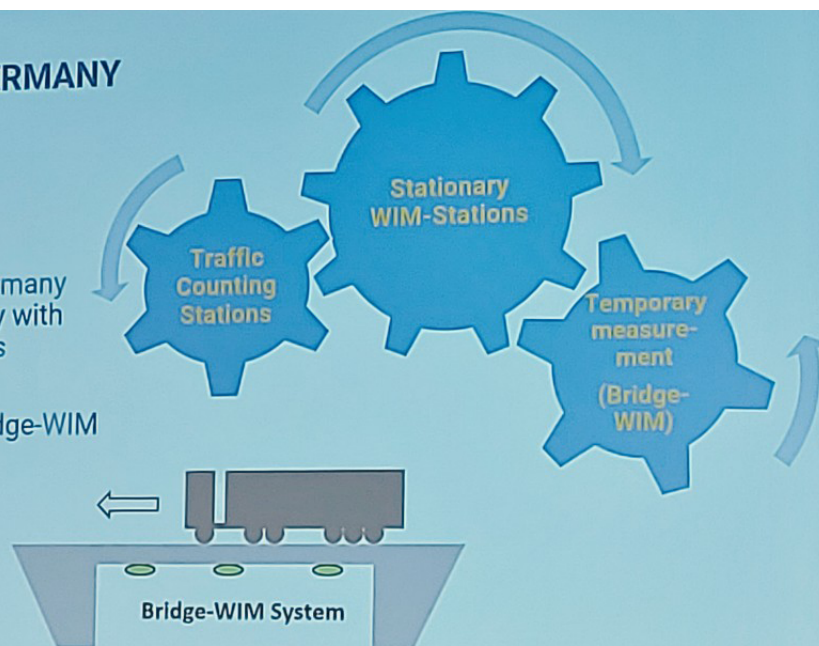
Rob and Torill are respected international voices in the field and it was pleasing to see their research communicated and welcomed by colleagues from across the globe.

WIM-STATIONS IN GERMANY

BRIDGE-WIM

Enhancement of Data Base:

- Ongoing field trials in Germany to complement stationary with temporary measurements (Bridge-WIM) in future
- Separate (temporary) Bridge-WIM measurements e.g. for critical bridges possible



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Workshop 5: The Transport Administration of the Future

This workshop focused on how transport administrations support customers, create public value and the new approaches needed as a result of emerging technologies and business models.

Part of this important discussion delved into how, in the future, transport administrations must better address the issues of equity, diversity and inclusiveness within their workforce.

Alan Colegate, Acting Executive Director – Strategy and Communications at Main Roads Western Australia, sat on the panel, discussing future opportunities with representatives from four other continents.

Much of the conversation focused on the basic road-based mobility paradigm which has not changed over the past century, in the form of both internal combustion engine powered vehicles and road infrastructure.

Presenters talked about the oncoming transport revolution as mobility becomes increasingly connected, autonomous, electric and shared as a necessary shift occurs to meet decarbonisation targets.

With this in mind, it is clear transport administrations will increasingly become mobility providers as opposed to network managers.



Foresight session 1: Sustainable finance and international policies for the SDGs 2030

Accompanying workshops and technical sessions over the course of the WRC, foresight sessions were a feature of the week, allowing expert panels and presenters to delve deeper into some of the big-picture challenges and opportunities across the sector.

The first of these sessions focused on the work of PIARC's Technical Committee on Finance and Procurement.

Looking at sustainable financing through a European lens, the panel discussed recent work by the United Nations Economic Commission for Europe's PPP and Infrastructure Evaluation and Rating System (PIERS) which scores infrastructure projects based on how they measure against UN Sustainable Development Goals. The evaluation is designed to optimise value for money, people and the planet, understanding the interconnected nature of these concepts.

Overall, the PIERS system includes 22 criteria and 95 indicators, following its development after testing on more than 100 projects. While still in its early stages in terms of industry and government use, a case study was discussed in the form of the A6 PPP motorway in Germany where the PIERS rating system was used and 100 per cent recycled pavement was included in the project.

The panel also touched on the development of carbon-neutral mobility, in order to reach a balanced and comprehensive sustainability future for the road and mobility sector.



Foresight session 7: Envisioning scenarios for global supply chains and what they mean for national road authorities

The COVID-19 pandemic has led to greater analysis of the risks and opportunities that exist across the global supply chain with many nations now looking to increase near-shoring and on-shoring core manufacturing and infrastructure-related functions.

In this foresight session chaired by Sabine Kuehschelm, the Austrian Minister for Transport, panellists and presenters discussed the interconnected nature of the global economy and the potential economic disrupters we may see in the near future.

Professor Dr Gernot Liedtke from the German Aerospace Centre outlined how global supply chains evolved to their modern state through the fall of trade barriers and improvements in land transport across the globe, leading to increased inter-regional and international trade.

The panel conversed about the future movement of freight with countries like Germany experiencing a sharp increase in the number of small trucks for last mile routes, something smaller vehicles like cargo bikes are beginning to increasingly feature in.

The electrification of freight trucks is also rapidly increasing with consequences for road networks as they look to cope with heavier loads across the system. With 80 per cent of the world's goods transported by sea, transport chains need to become more interoperable if we are to deliver not just the integrated supply chains of the future but the integrated transport networks that serve the needs and demands of consumers.

These are challenges that must be considered with an understanding of the likely movement to connected and automated transport in the coming years.



AASHTO Roundtable

The World Road Congress provided RA and Austroads the opportunity to consolidate and further strengthen an important relationship with the American Association of State Highway and Transportation Officials (AASHTO).

Following the recent roundtable at the ITS Australia Global Summit with Australian transport leaders, RA convened another roundtable with senior transport officials from the United States and the Australasian delegation.

The roundtable provided an opportunity for RA members to share insights on the transition to a net zero transport network, how technology can be incorporated into transport systems to drive efficiency, safety and productivity and the challenges with delivering infrastructure programs in difficult economic circumstances.

This was an opportunity to continue strengthening the cross-Pacific relationship and continue conversations started at the ITS Australia Global Summit on common challenges while sharing unique insights from our respective jurisdictions.

RA looks forward to ongoing collaboration with AASHTO, looking at ways to share asset resilience knowledge, sustainable funding and delivery of infrastructure and the changing nature of mobility across urban and regional areas.



AASHTO representatives with the Australasian delegation



Ehssan Veiszadeh (RA), Aneetha de Silva (RA), Roger Millar (AASHTO)

German Federal Ministry of Digital and Transport Roundtable

Together with Austroads, Roads Australia convened a trilateral roundtable with members of the German Federal Ministry of Digital and Transport and Australasian delegates.

This forum provided an opportunity to learn more about Germany's data-driven approach to bridge capital funding, it's ambition of having 7 to 10 million electric vehicles on road by 2030 and its progressive policies around promoting the private sector to provide fast charging infrastructure.

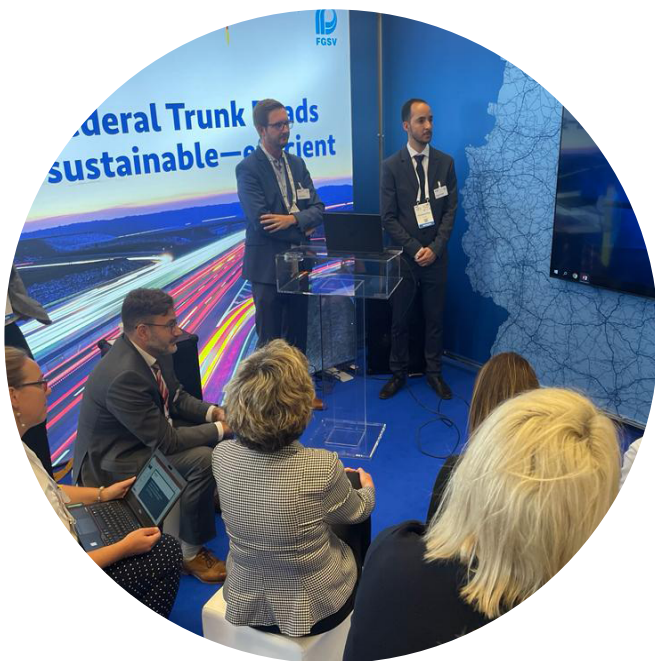
It was also beneficial for delegates from Australia and New Zealand to share their local insights and expertise around climate adaptation, asset management and policies to promote the uptake of electric vehicles.

Highlights of the discussion included an update from Brett Gliddon, General Manager Transport

Services at Waka Kotahi NZ Transport Agency, around NZ's progressive EV policies and their ongoing efforts to rebuild following the devastating recent cyclone.

Dr Torill Pape, from Queensland's Department of Transport and Main Roads, spoke to her state's unique transport challenges, particularly around climate resilience and adaptation.

This roundtable event provided RA members the opportunity to develop new relationships with international counterparts while sharing and receiving expert knowledge.



German-Australasia roundtable presentations



German representatives with the Australasian delegation

United Kingdom Roundtable

Following earlier roundtables with German and US officials, RA also convened a forum with transport leaders from across the United Kingdom.

Transport agencies in the UK are developing innovative investment programs to support a net zero transport future, with invaluable insights shared about the Live Labs projects and learnings from Smart Motorways across the UK.

An insightful discussion was held on how to balance the often-competing budgetary demands of strong asset management and maintenance with new transport infrastructure construction.

With supply chain pressures and economic challenges across the globe the ability to be able to gain maximum benefit from infrastructure investment will be crucial for governments at all levels.

The new connections established between delegations will allow for further sharing of knowledge and information for years to come.



Gary Liddle Memorial Trophy

The inaugural iRAP Gary Liddle Memorial Trophy was presented for the first time at the XXVIIth World Road Congress in Prague.

The International Road Assessment Programme (iRAP) named the perpetual award after Gary following his passing earlier this year.

Gary served the transport industry for more than 40 years including as a Roads Australia Board Director. In that time, he occupied senior leadership positions in the sector, including as Chief Executive of VicRoads, Deputy Secretary of the Department of Transport, Planning and Local Infrastructure (Vic), Chair of ARRB, Chair of Austroads, Chair of iMOVE and Chair of iRAP.

Gary's passion for the transport sector and sharing his knowledge with the next generation was further reflected in his role as Enterprise Professor, Transport at the University of Melbourne.

In 2017, Gary was made an Officer in the Order of Australia (AO) for "distinguished service to public administration in the Victorian transport sector through leadership in policy direction, infrastructure development, road safety and regulatory reform."

The award is presented to the world's best-performing road authority in eliminating high-risk roads with Queensland's Department of Transport and Main Roads one of the finalists.

Brazil's National Department of Transport Infrastructure (DNIT) was awarded the trophy for its BrazilRAP project which in less than two years Star Rated 54,500km of its national network informing comprehensive results-based investment and 3-star or better policy to save lives.






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