

U.S. PARTICIPATION IN PIARC

2016-2019 Cycle Benefits and Accomplishments



U.S. Department of Transportation
Federal Highway Administration



Overview

The World Road Association, known as PIARC, brings together experts from the road administrations of more than 120 governments, academia, and from private companies worldwide who focus on issues of technology transfer in road transportation. PIARC operates on a four-year cycle with a 2016-2019 Strategic Plan, focused on up to five themes. Delegates from around the world, including the United States, work in technical committees and task forces to address specific road transportation issues and develop resources to guide improvements in practices, materials, and technologies.

U.S. participation benefits the national transportation community by providing access to research, practices, and technologies from other countries that align with priorities and initiatives of the Federal Highway Administration (FHWA) in the areas of safety, infrastructure, and innovation.

About the 2016 - 2019 PIARC Cycle

U.S. PIARC Participation

17

STRATEGIC
TECHNICAL
COMMITTEES

4

TECHNICAL
TASK
FORCES

46

PUBLISHED
TECHNICAL
REPORTS

5000+

ATTENDEES AT
THE 2019 WORLD
ROAD CONGRESS

30

TECHNICAL
COMMITTEE
MEMBERS

1

TASK
FORCE
CHAIR



BENEFITS OF PARTICIPATION

Technical Knowledge Sharing:

U.S. delegates are exposed to new ideas and innovations from cutting edge thinkers from countries that lead in specific technical topics. Delegates support the international road transportation community through knowledge transfer when the U.S. has specific technical expertise.

Perspective and Context:

Involvement in the PIARC exposes delegates to the problems faced around the world by the road transportation community and allows them opportunities to work collaboratively with experts from other countries to find solutions to common issues. The U.S. transportation community benefits from the understanding and experiences of countries with similar geographic, weather, social, and financial circumstances.

Expanded Professional Networks:

U.S. delegates build professional relationships with professionals they would otherwise not meet. PIARC participants are often involved in day-to-day transportation operations and are an excellent source of technical information.



FLAGSHIP ACCOMPLISHMENTS

U.S. delegates are active in the development of products that advance the global transportation industry. Products from each cycle are shared nationally via presentations and other FHWA, American Association of State Highway Officials (AASHTO), and Transportation Research Board (TRB) communication channels. Reports and accomplishments from the 2016-2019 cycle are available for free on the PIARC website.

The reports that align with FHWA's priorities and initiatives include:

Infrastructure Safety Innovation Primary Secondary



Road Safety Manual (2019)



Large Underground Interconnected Infrastructure (2019)



National Policies for Multi-Modal Freight Transport and Logistics (2019)



Evaluation of Organizational Approaches to Risk (2019)



Low Cost ITS (2019)



Innovative Approaches to Asset Management (2019)



The Use of Unmanned Aerial Systems for Road Infrastructure (2018)



Bridge Design Toward Improved Inspection and Maintenance (2019)



Paving Solutions and Sustainable Pavement Materials (2019)



Earthworks Manual (2019)



Framework on Measuring Effectiveness and Efficiency of Transport Administrations (2019)



Post Evaluation of Road Products (2019)



Intra- and Inter-agency Integration of Winter Maintenance Management: Case Studies (2019)



Sustainable Multi-modality in Urban Regions (2019)



Disaster Information Management for Road Administrators (2019)



Principles for Cooperation and Collaboration between National and Local Road Agencies (2020)



CAPSTONE EVENT

The **26th World Road Congress** was held in Abu Dhabi in October 2019; more than 5,000 delegates from 145 countries, including the United States, participated. The U.S. delegation was comprised of representatives from FHWA, AASHTO, TRB, State Departments of Transportation, academia, and private sector firms. Representatives participated in nearly two dozen sessions and workshops and presented 19 papers focused on progressing timely, multimodal transportation goals in the areas of safety, infrastructure, and innovation, which have been compiled into the U.S. Participation in World Road Congress Summary Report.

FUTURE OPPORTUNITIES

The 2020–2023 PIARC cycle is currently underway. Themes for this cycle include safety and sustainability, mobility, and road administration, with emphasis on vulnerable road users, resilient infrastructure, risk management, climate change, connected and automated vehicle technology and customer-focused strategies.

About the 2020–2023 PIARC Cycle

17

STRATEGIC
TECHNICAL
COMMITTEES

2

NON-
TECHNICAL
COMMITTEES

6

TECHNICAL
TASK
FORCES

1

COVID
RESPONSE
TEAM

U.S. PIARC Participation

40

TECHNICAL
COMMITTEE AND
TASK FORCE MEMBERS

3

TECHNICAL
COMMITTEE
CHAIRS

5

SECRETARIES



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