

Shaping the Future of Mobility
Autonomous and Automotive Mobility

Safe Drive Initiative

Portfolio Overview:
Shaping Autonomous Vehicle Governance

Safe Drive Initiative Background

The Problem

Policymakers and industry alike need greater clarity when developing the next generation of AV governance solutions.

The World Economic Forum believes that this can be achieved through multi-stakeholder engagements across industry, government and civil society, to increase alignment on key issues.

Mission

To improve the state of autonomous vehicle governance, meeting the needs of policymakers and industry stakeholders

Impact

Develop and pilot new governance tools and structures

Advance thought leadership to benefit public and private stakeholders

Increase alignment between industry and regulators on key safety issues

Safe Drive Initiative Workstreams-at-a-glance

Developing Governance Solutions



Policy research, tools, frameworks and other content to equip regulators with tools and insight in the development of AV policies, published with the help and support of our project community.

Pilots



Partnering with governments to test and iterate the frameworks developed, to give regulators the opportunity to trial performance-based approaches to regulation, with the support of Forum partners.

Workshops



Focused, partner-driven sessions exploring specific dimensions of AV governance, to increase alignment between industry and governments.

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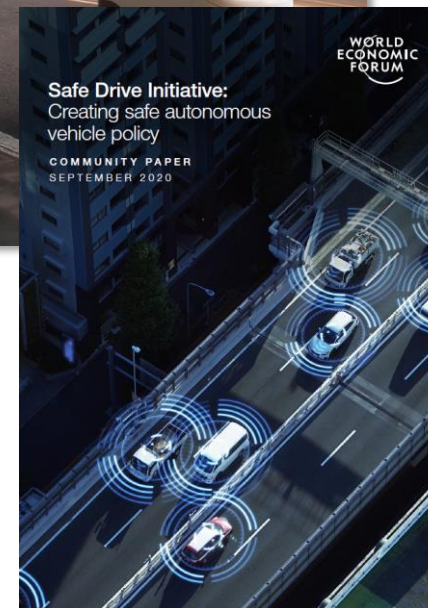
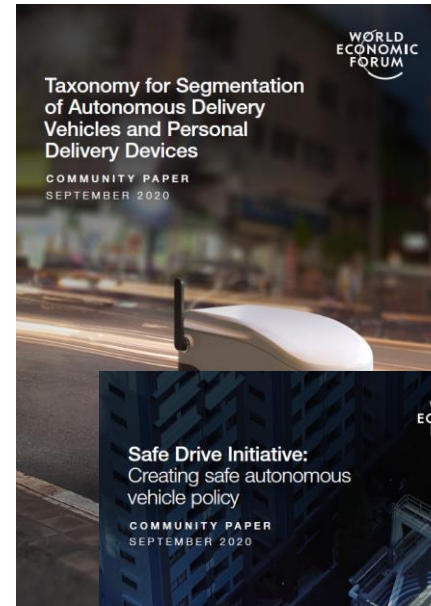
Developing Governance Solutions

With the support of our industry and government partners, this project has created a range of governance tools, solutions and publications:

- Developed a [scenario-based framework](#) for safety assessment (SafeDI Framework) and corresponding [implementation guidance](#)
- Researched and published [a whitepaper](#) on AV Policy best practice
- Published a proposed [taxonomy](#) for the segmentation of autonomous vehicles and non-vehicle ground robots (PDDs)

Going forward, the project community will continue to identify addressable gaps which could be served by further enabling industry stakeholders to provide holistic guidance to policymakers in enabling AV deployment.

We will also be piloting the SafeDI framework with our government partners in 2021.



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Piloting the SafeDI Framework

In 2021, the Forum will be partnering with a **soon to announce government** to pilot the SafeDI Framework as part of the AV driving challenge trialing autonomous **delivery** vehicles.

This means operationalizing the SafeDI framework as follows:

- Scoping an ODD-derived safety assessment for AVs participating in the trial
- Deriving scenarios and assessment metrics to represent safe operation
- Creating a reference scenario dataset
- Building a self-assessment & reporting process
- Iterating the safety assurance methods developed and proposed in the SafeDI framework
- Creating a case study for other governments to follow

To deliver this pilot, the Forum will draw upon the knowledge and resources of our partners to create this reporting mechanism.

Additionally, we are seeking further partners to trial this approach across different use cases including logistics, shuttles, off-highway applications and more. If you would like to learn more, or get involved, please [contact us](#).



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AV Governance Workshop Series

In 2021, the Forum will convene the SDI-AV project community to lead in tackling a series of governance gaps through a quarterly workshop series.

These sessions will collectively explore problem areas and identify opportunities to create thought leadership materials, briefing papers and other guidance to industry and policymakers alike.

The first workshop focused on remote vehicle operations. Current shortlist of topics for future sessions includes:

- Minimum risk manoeuvres
- Public education on autonomous vehicles
- Creating insurance risk models from scenarios
- Human-machine interface guidelines for safety, accessibility and acceptance
- Post-deployment field monitoring

Further topics will be set by the project steering committee and Global AV Council.

If you would like to receive an invitation to our next session, please [contact us](#).



Join Us.

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