

# Status report to 86th GRPE (May-June 2022)

Task Force on Tyre Abrasion

On behalf of GRBP and GRPE

# Task Force on Tyre Abrasion

<b>Targets</b>	<ul style="list-style-type: none"><li>• Develop a procedure for measuring the abrasion of tyres: test conditions and methods</li><li>• Rate the abrasion performance of a wide range of tyres available in the market</li><li>• Define abrasion limits for tyres in order to limit the emission of microplastics to the environment</li><li>• Assess potential correlation between abrasion performance and durability of tyres.</li><li>• Develop a UN Regulation (or addition to UN Regulation No 117) for the type approval of tyres in respect to their abrasion</li></ul>
<b>Roles</b>	<ul style="list-style-type: none"><li>• Co-chairs: France and European Commission</li><li>• Secretariat: ETRTO (European Tyre and Rim Technical Organisation)</li></ul>
<b>Reporting</b>	To both working parties: GRPE and GRBP adoption: GRBP
<b>Web page</b>	<a href="#">Task Force on Tyre Abrasion (TF TA) - Transport - Vehicle Regulations - UNECE Wiki</a>

# Task Force on Tyre Abrasion: facts and figures



- Meetings

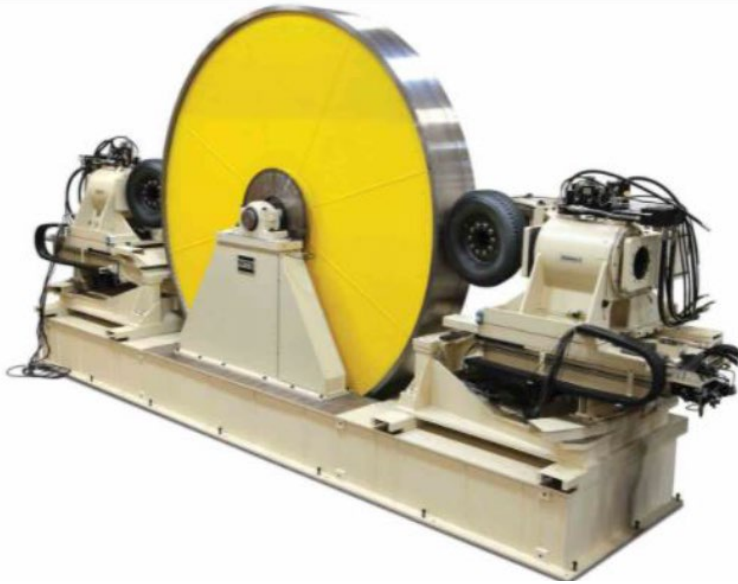
- 1<sup>st</sup> web-meeting: 28<sup>th</sup> April 2022  
kick off
- 2<sup>nd</sup> web-meeting: 11<sup>th</sup> May 2022



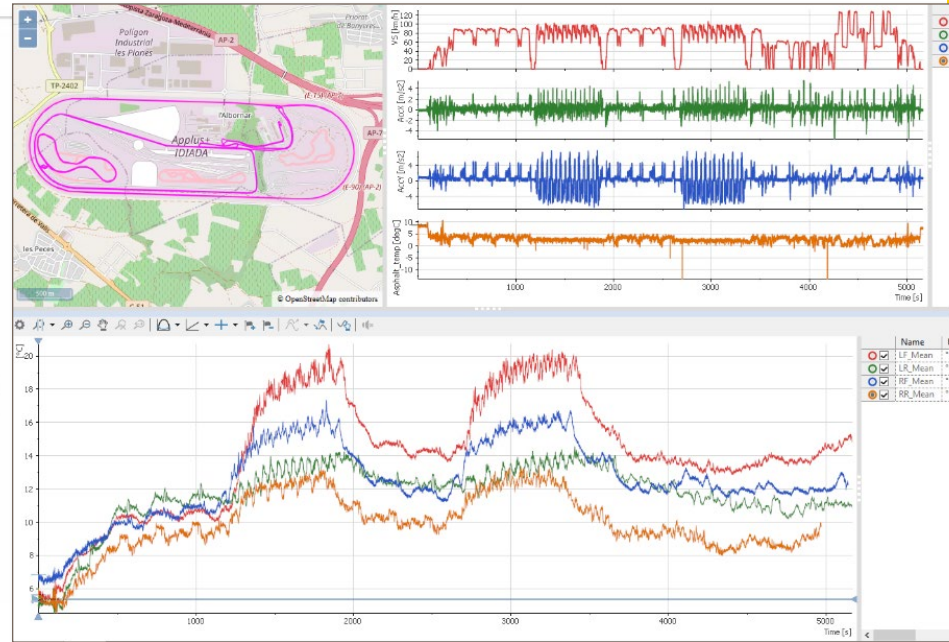
- Attendees ~100

- CPs:  
European Commission, France, China, Germany, India, Japan, Norway, South Korea, Spain, Switzerland, UK, USA
- NGOs:  
ACEA, ADAC, AVL, ETRMA, ETRTO, oHORIBA, IDIADA, ITMA, JAMA, JATMA, LINK, OICA, SMMT, TRAC, TÜV Nord, UniBW., USTMA, VTI

# Possible testing methods



**LABORATORY**



**IN-VEHICLE ACCELERATED  
ON TEST TRACK**



**IN-VEHICLE REAL LIFE**

# Task Force on Tyre Abrasion: start of work

## Work

- Presentation of several studies on tyre wear/abrasion for consideration of the tyre abrasion test method and conditions
  - **Vehicle method:**

	<b>Scope</b>	<b>Timing</b>
IDIADA (EC funded project)	C1, C2, C3	ongoing (end of Sept 22)
ETRTO	C1 (+C2, C3)	ongoing (2023)
ADAC	C1	finished
  - **Accelerated Vehicle method:**

IDIADA (EC funded project)	C1, C2, C3	ongoing (end of Sept 22)
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  - **Drum method:**

JASIC	C1 (+C2, C3)	ongoing (2023)
ETRTO	C1 (+C2, C3)	to be started

## Next steps

- Evaluate the different test methods