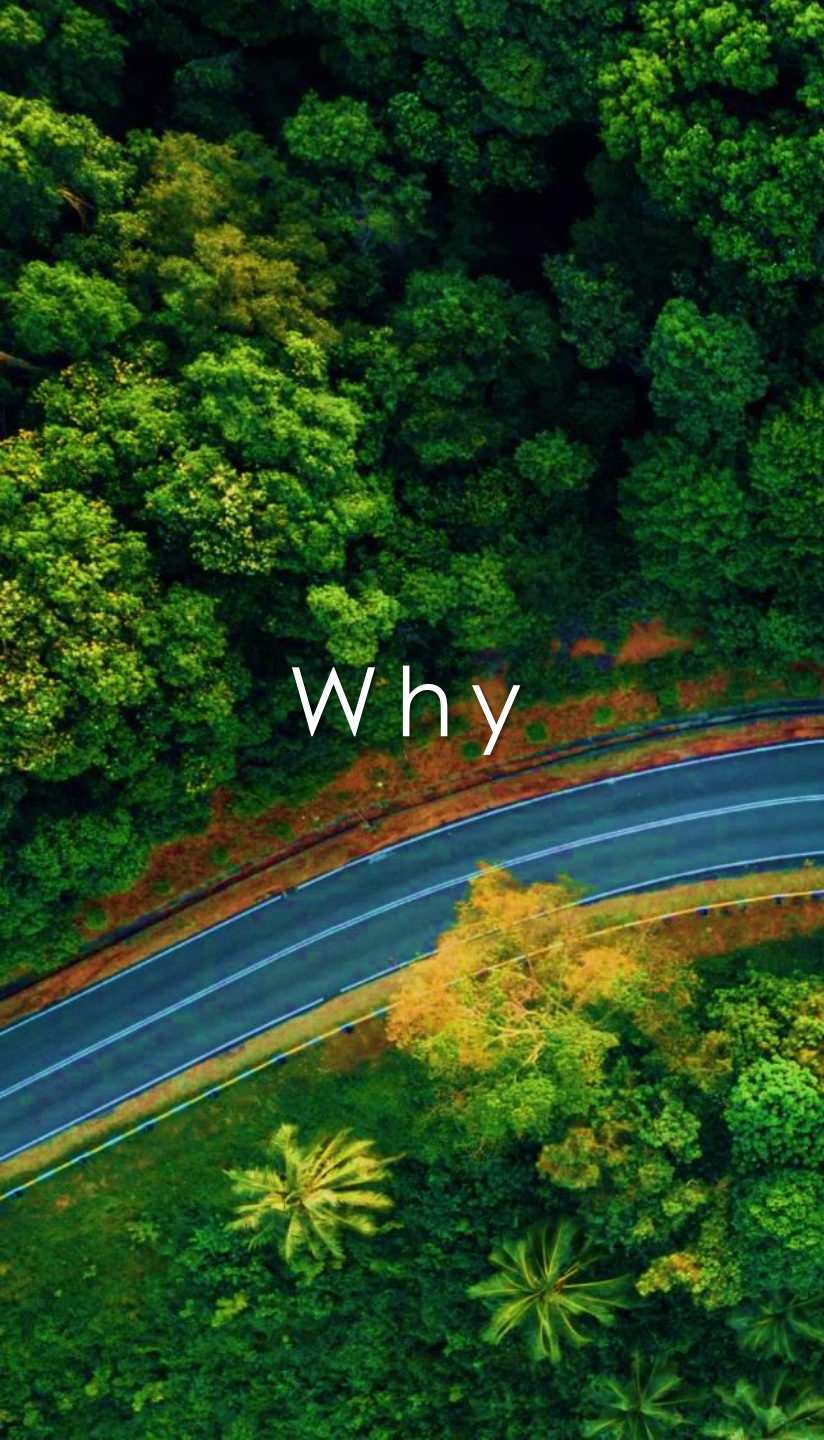




A guideline for *calculating and reporting on* automotive supply chain emissions

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Why



EMISSIONS IN PROCUREMENT

FOCUS ON TECHNOLOGY &
NETWORK DESIGN

STANDARD FOR VEHICLE LOGISTICS
NEEDED



CLEAR TARGETS TO REDUCE
VEHICLE LOGISTICS EMISSIONS

NO CLEAR VIEW ON HOW
TO CALCULATE EMISSIONS

Car manufacturers Interviews, 2020



A square graphic with a dark blue border and a light green background. The number '80%' is centered in a bold, dark green font. The square is partially filled with a white color from the bottom-left corner, representing 80% of the total area.

80%

ALREADY CALCULATE
EMISSIONS
& USE MORE THAN ONE TOOL

A square graphic with a dark blue border and a light green background. The number '60%' is centered in a bold, dark green font. The square is partially filled with a white color from the bottom-left corner, representing 60% of the total area.

60%

LSPs ASKED BY CUSTOMERS TO
REPORT ON EMISSIONS

A square graphic with a dark blue border and a light green background. The number '40%' is centered in a bold, dark green font. The square is partially filled with a white color from the bottom-left corner, representing 40% of the total area.

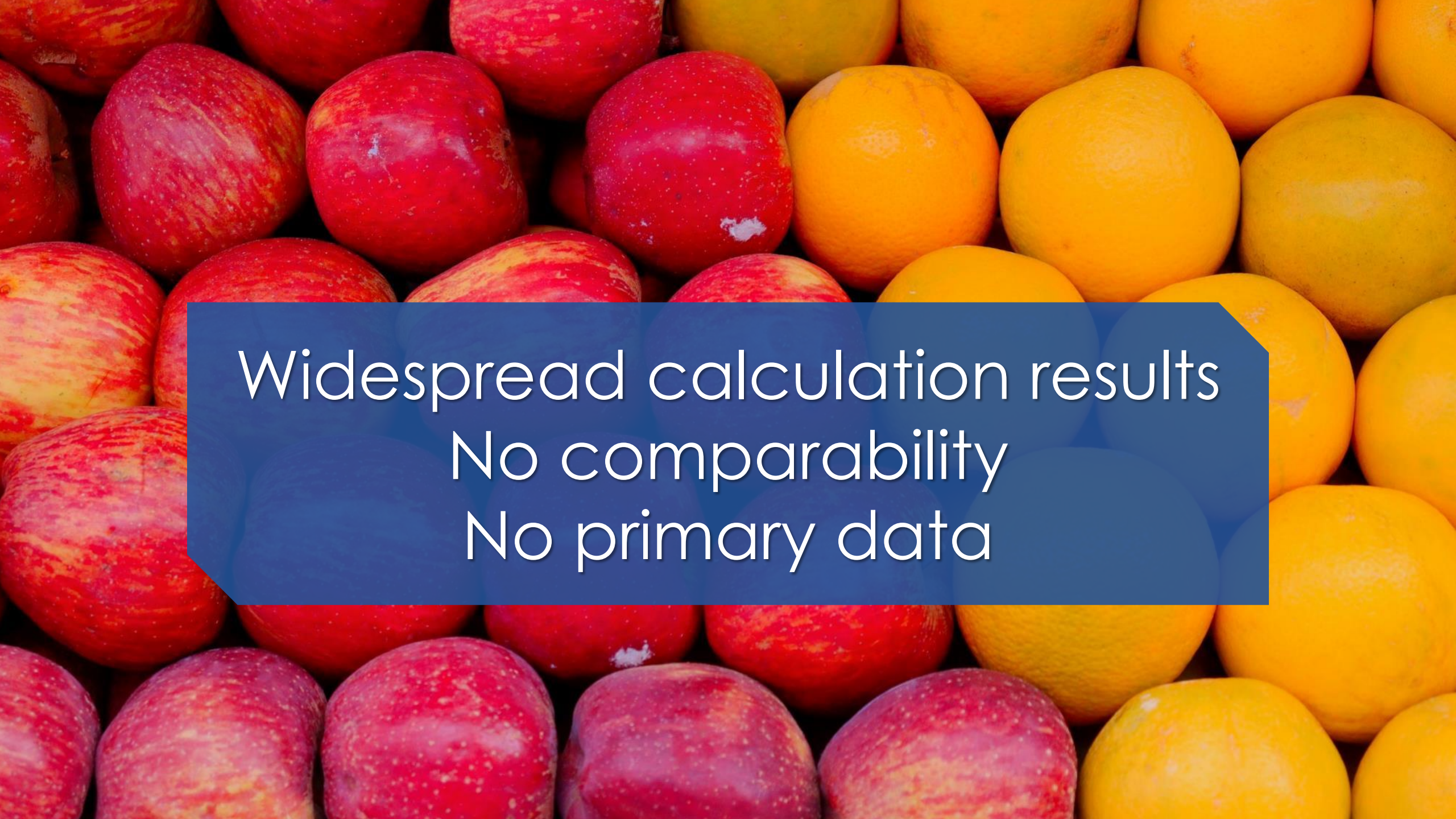
40%

LSPs USE INTERNAL/
HOMEMADE TOOLS
TO CALCULATE EMISSIONS

Survey Logistics Service Providers (LSP), 2020

An aerial photograph of a dense, lush green forest. The trees are vibrant green, and several palm trees are visible. A winding path or road is visible on the right side of the image.

Why



Widespread calculation results
No comparability
No primary data

- Automotive supply chains (**inbound + outbound**)
- ISO 14083 compliant
- Automotive tailored recommendations (e.g. for allocating emissions in vehicle logistics)
- Ambitious path for primary data usage
- Clear roles and responsibility setup incl. standardized reporting scheme (from logistics providers to car manufacturers)

What

How

February – October
2023



European initiative



Interdisciplinary
working groups





Car manufacturers:
BMW, Ford,
Mercedes-Benz,
Volkswagen GL,
Toyota, JLR and
Nissan



European **general cargo** and **vehicle logistics providers**
incl. CAT Logistics,
DB Cargo, Hellmann,
Mosolf Group



Suppliers: Bosch,
Continental,
Mahle,
Kirchhoff
and Dräxlmaier

Powered by

VDA

Verband der
Automobilindustrie



ECG

The Association
of European
Vehicle Logistics

Main benefits



Roles & responsibilities and minimum requirements



Harmonised calculation approach



Standard scheme for customer reporting



Standardised calculation factors for automotive



Definition of automotive processes & system boundaries

Highlight 1

Clear definition of minimum requirements and their rising ambition level over time

Startup phase

Establishes the basic responsibility setup related to ISO, regarding the emission calculation responsibility on the LSP side and the emission reporting to the customers (until the end of **2024**)

01

Improvement phase

Aims at the step-by-step improvement of the emission calculation methodology and accuracy (**2025 - 2026**)

02

Maturity phase

Target: primary data-based emission calculation and reporting (From **2027** onwards)

03



Next

- Draft version of the guideline available
- Review and consultation phase
- Publication



WHAT

NOW?

1. Completing the guideline...

Other Mode of Transport / assets

Extended defaults

EDI implementation

Special cases



2. And keeping it up to date

Feedback channel

**Communication &
Marketing**

**Update &
improvement cycle**

Training Offering

Dissemination

**End-to-end show
case**

Let's continue
working
together for a
greener
industry!

VDA and ECG Recommendation
Emissions calculation and
reporting guideline for
automotive supply chains

Draft Version for review, September 2023

