

ASECAP DAYS



MILANO 2024

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Introduction of CO₂ Tolling in Austria – from January 1st, 2024

Challenges and Opportunities

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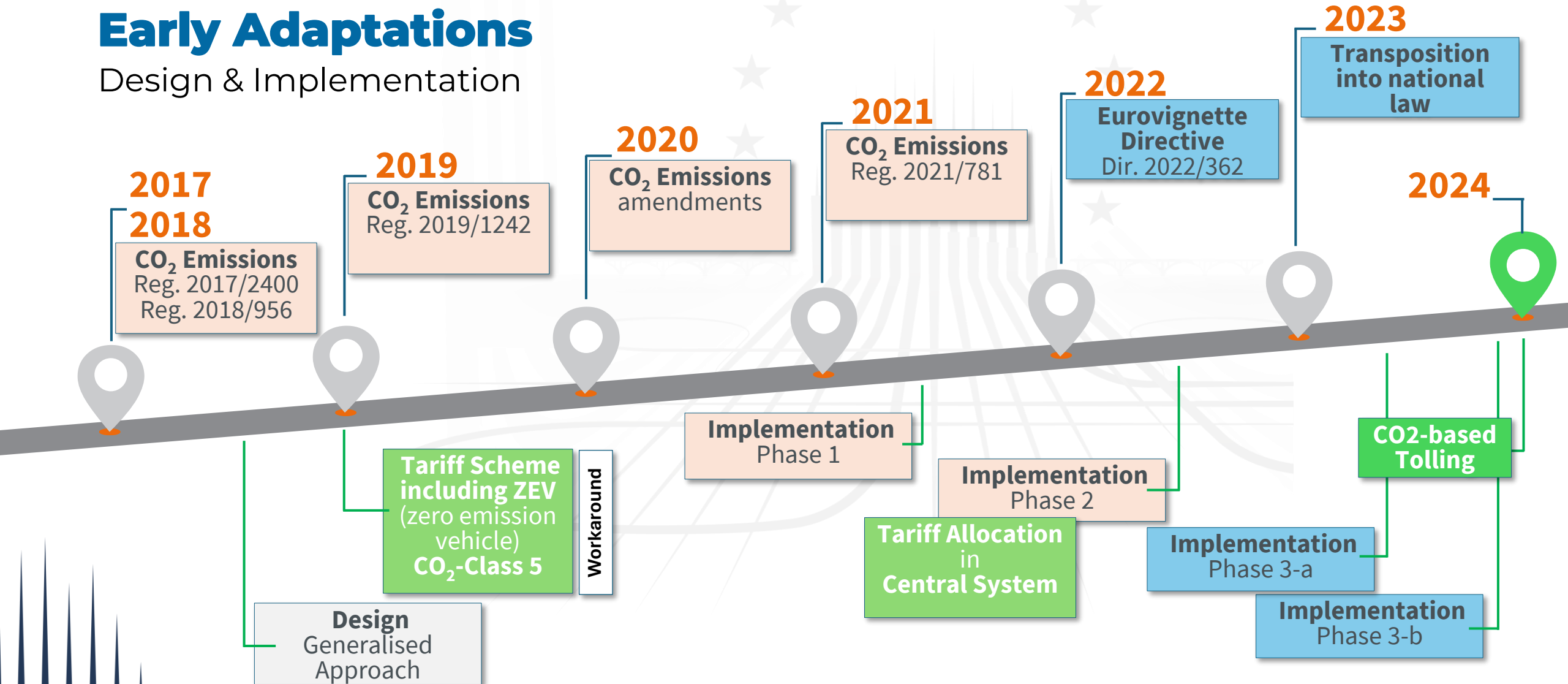




Challenges and Opportunities

Early Adaptations

Design & Implementation



Challenges and Opportunities

Design: “Generalised approach”

toll-relevant **static characteristics** are treated equally

no change in processes

static → **registration & validation required**

NEW

- EURO-emission class
- Engine characteristics (-> ZEV)
- CO₂-emission class
- trucks / heavy motorhomes / buses

toll rate relevant characteristics

CHALLENGES AND OPPORTUNITIES
PROCESS ADJUSTMENTS

📍 ... How does the REGISTRATION & VERIFICATION procedure work?

- INFORMATION:** Customer checks the rate-relevant characteristics of his vehicle, on basis of:
 - Registration Certificate & additional Document: CF, COC, CEMT, COP
- REGISTRATION:** Customer declares & provides evidence of rate-relevant characteristics of his vehicle to the Provider
- VERIFICATION OF DOCUMENTS by the Provider:** Verification of the requested/declared rate-relevant characteristics based on provided Documents
- PERSONALISATION / Update Whitelist (HGV) of rate-relevant characteristics in OBE by Provider**
- CUSTOMER drives** with (correct personalised) OBE on the road (Whitelist). Tariff allocation in Central System

16 AISIFIINIAIG

variable

number of axles

- 2, 3 or 4+



Challenges and Opportunities

Design: “Generalised approach”

toll-relevant characteristics and **Enforcement**

amount of substitute toll

static

→ failing to prove them leads to substitute toll

NEW

- EURO-emission class
- Engine characteristics (-> ZEV)
- CO₂-emission class
- trucks / heavy motorhomes / buses

toll rate relevant characteristics

incorrect or missing
240,- EUR

variable

number of axles

- 2, 3 or 4+

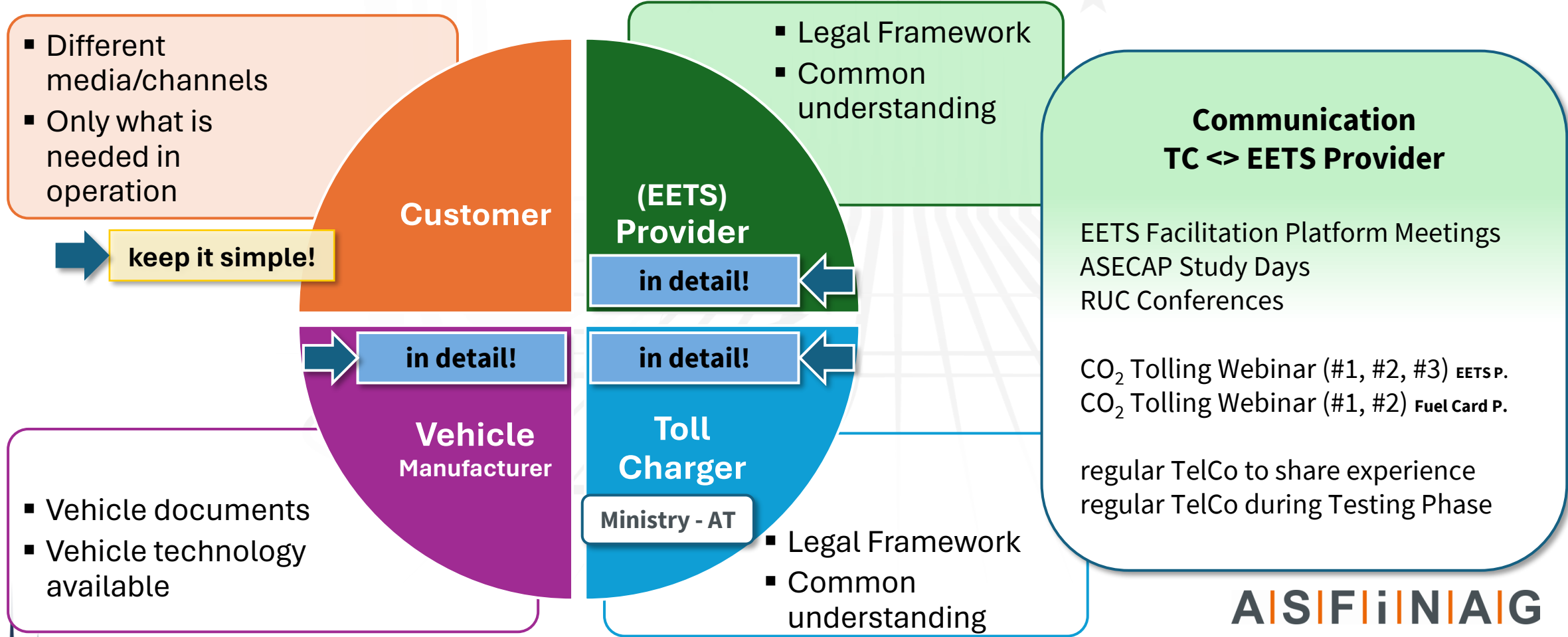


incorrect
120,- EUR

Discussions about dealing with combinations of wrong/missing attributes: **solved!**

Challenges and Opportunities

Communication: Had to be target specific



What did we experience so far?



CO₂ Calculator

1.) Drive type
You can find out your vehicle's drive type in the:

- Registration Certificate in field P.3
- Customer Information File (CIF) under item 1.2.3
- Certificate of Conformity (CoC) in field 26

Please select the **drive type of your vehicle**:

[Show help](#)

Pure electric drive Hydrogen fuel cell drive Internal combustion engine (petrol, diesel or natural gas)

2.) Date of first registration
The date of the first registration can be found in the **registration certificate** in field B.

Date of first registration: [Show help](#)

3.) Vehicle group and vehicle subgroup:
The vehicle group can be found in the **Customer Information File (CIF)** under item 1.1.5.

Please select your **vehicle's group**:

Group: 4 Group: 9 Group: Other vehicles

Solo truck 2 axles (4x2) > 16 t Solo truck 3 axles (6x2) All weights max. 16 t

Group: 5 Group: 10

Tractor 2 axles (4x2) > 16 t Tractor 3 axles (6x2) All weights

Result of your calculation

Your details

1.) DRIVE TYPE
Internal combustion engine (petrol, diesel or natural gas)

2.) DATE OF FIRST REGISTRATION
20.02.2021

3.) VEHICLE GROUP AND VEHICLE SUBGROUP
Vehicle group: Solo truck 3 axles (6x2) All weights (Group 9)
Sleeper cab: no
Rated power: 334 kW

4.) SPECIFIC CO₂ EMISSIONS:
80 g/tkm

CO₂ emission class

→ Based on your information, we have calculated the following result for your vehicle:

CO₂ emission class 3
CO₂ emission category 3 is subject to verification.
You will need the following vehicle documents in order to provide verification:

- Registration certificate
- Customer Information File (CIF)
- Certificate of Conformity (CoC) if applicable

On 20.02.2027, CO₂ emission classes will be reclassified.

Upload evidence

If you want to register your vehicle for the GO toll or change the existing rate characteristics requiring evidence, we need verification from you! Please note: Customers of EETS providers must send the evidence to their respective toll provider.

Concept meets the expectations

- **Design with pictograms** ✓
- **Structure of questions** ✓
 - Reach the largest group with the fewest questions
 - Reduction to 4 questions
 - Approx. 95% are assigned to CO₂ class 1 (based on date of first registration / vehicle group / spec. CO₂ emission)
- **Free access** for customer/user partner ✓

Number of visits CO₂ Calculator

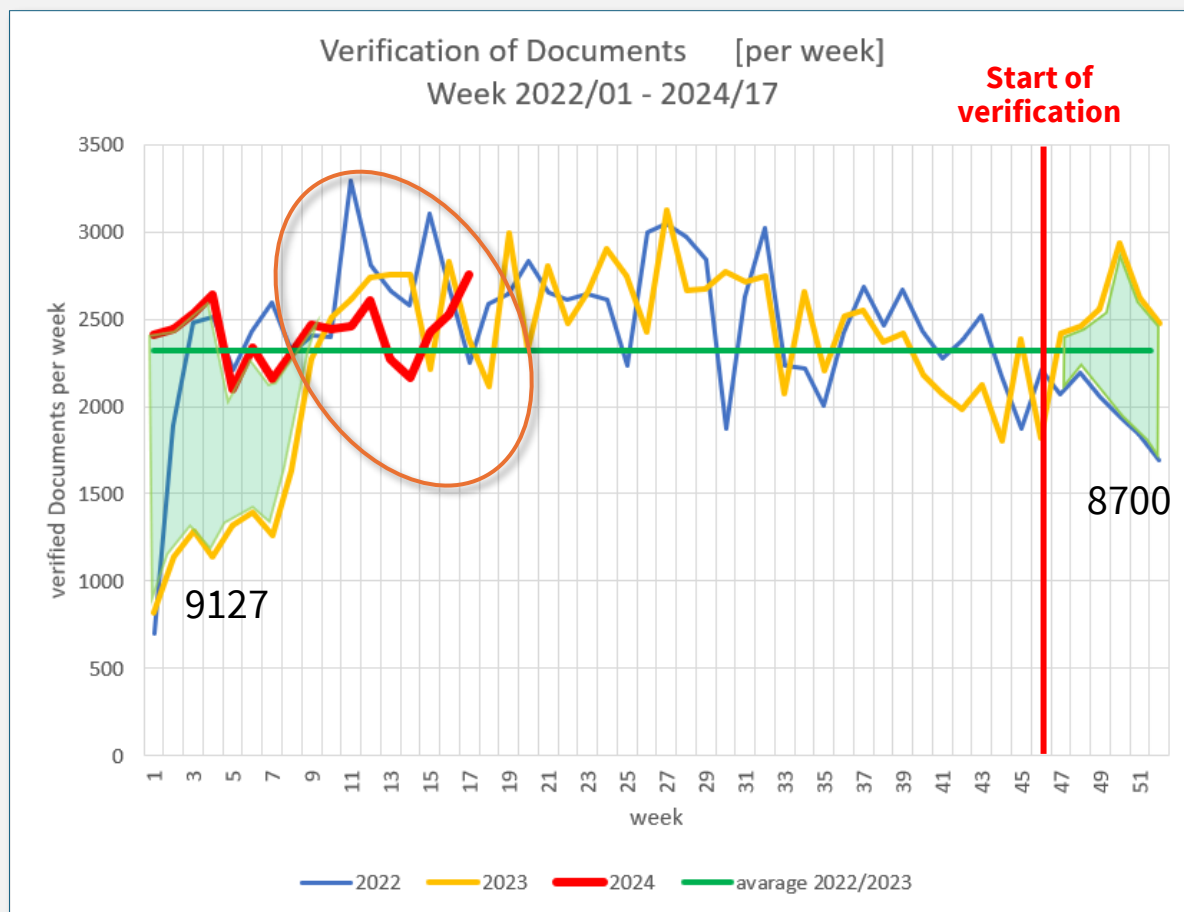
- Period: 20.11.2023 – 30.04.2024

➔ **approx. 36.292**

What did we experience so far?



Verification of Documents



Planning Value / Estimation

- Additional verifications due to CO2-based tolling – through existing fleet/customers:
 - 15 000 - 20 000 (in total)
 - 1 000 - 1 500 (per week)
- Number of verified Documents will level out to the average (“verification of toll rate relevant characteristics”, after a few weeks)

First figures (2023/47 – 2024/17)

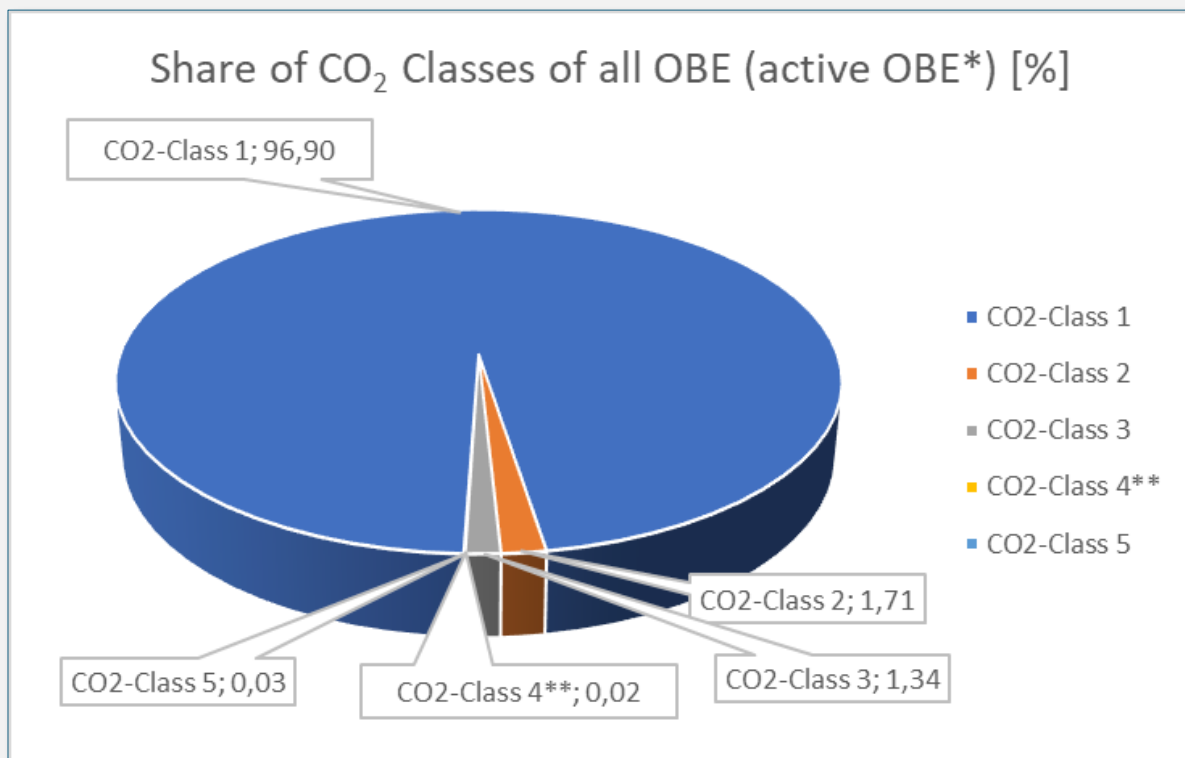
- Weekly additional verifications meets the forecast ✓
- Levelling of the verifications to the average of previous years ✓

What did we experience so far?



Share of CO₂ Classes of all OBE

Status: 29.04.2024



Share of CO₂ classes of all OBE

- **all OBE:** GO-Maut, Toll2GO, Emotach and EETS
- **active OBE*:** OBE which generated transactions in Austria (and is on EETS Whitelist)
- **3,10% of the vehicles** are better than CO₂ class 1

| CO2-Class | [%] |
|---------------|-------|
| CO2-Class 1 | 96,90 |
| CO2-Class 2 | 1,71 |
| CO2-Class 3 | 1,34 |
| CO2-Class 4** | 0,02 |
| CO2-Class 5 | 0,03 |

3,10 % ✓

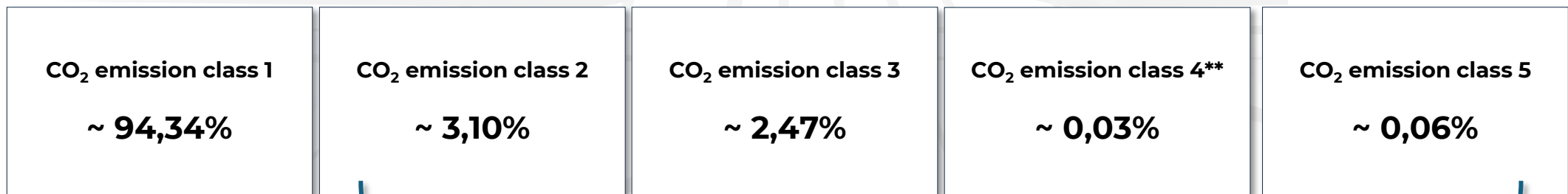
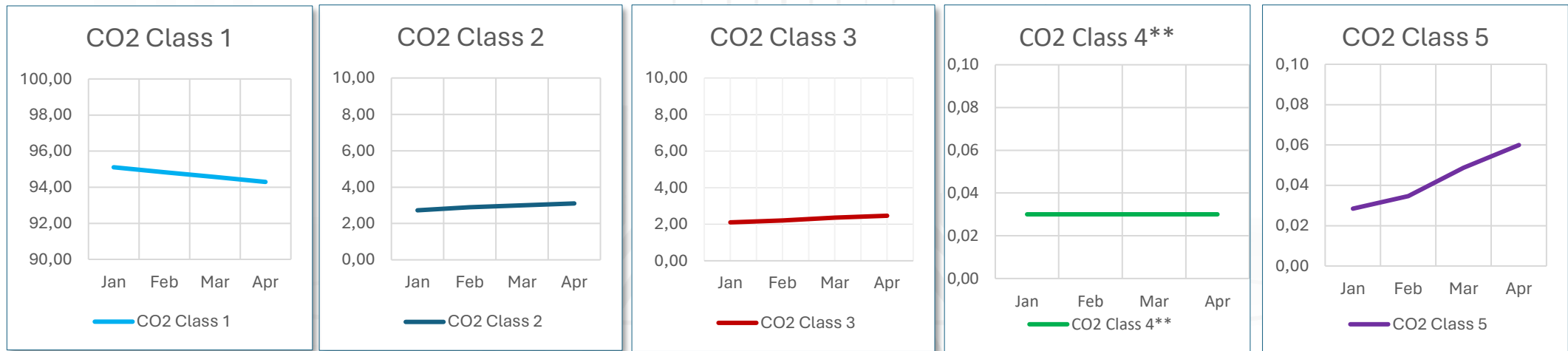
** CO2-Class 4 is currently not available on the market

What did we experience so far?



Mileage - Share per CO₂ emission class*

On-Board-Equipment registered at GO-Maut, Toll2GO, Emotach and EETS



~ 5,66 %

* preliminary values for April (as at 29.04.2024)

** CO₂-Class 4 is currently not available on the market

What did we experience so far?

Summary of the first four months

- **CO₂-Class Calculator**
 - Number of visits suggests good acceptance
- **Effort of the verification of Documents**
 - within the expected range
 - only a small group of the existing fleet/customer generates an additional CO₂-Class verification
- **Share of the CO₂-Classes of all OBE**
 - within the expected range (CO₂ Class 2-5 → 3,10%), no real Class 4 vehicles so far
- **Mileage (January - April 2024)**
 - within the expected range (CO₂ Class 2-5 → 5,66%)

What's next in Austria?

Changes ahead:

- **Reference values for new vehicle types** 1, 2, 3, 11, 12, 16 released end of 2023
 - no reduction curves so far
- **Revision of reference values** of vehicle types 4, 5, 9 and 10
- **Buses: Surcharge of CO2 emissions reduced by 25% as of January 1st, 2025**
- **Reclassification** of vehicles **6 years after first registration**
 - 1st opportunity July 1st, 2025

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THANK YOU

GRAZIE

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