

# Road Charging in Europe

A Birdseye View

Nina Elter

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# RUC in Europe



## Principles

### User Pays

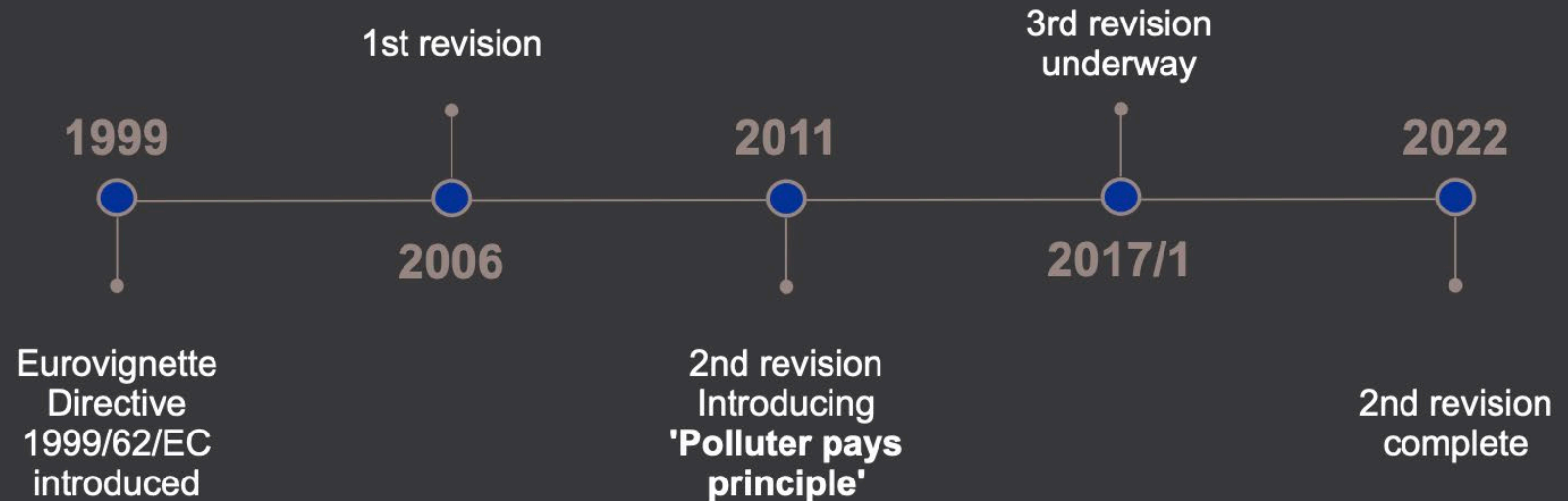
- Weight
- Congestion charge

### Polluter Pays (since 2011)

- External costs for:
  - air pollution
  - noise pollution
- Surcharge possible for mountainous regions

## The Eurovignette Directive

Sets the parameters by which countries in the European Union can charge vehicles for their use of infrastructure.



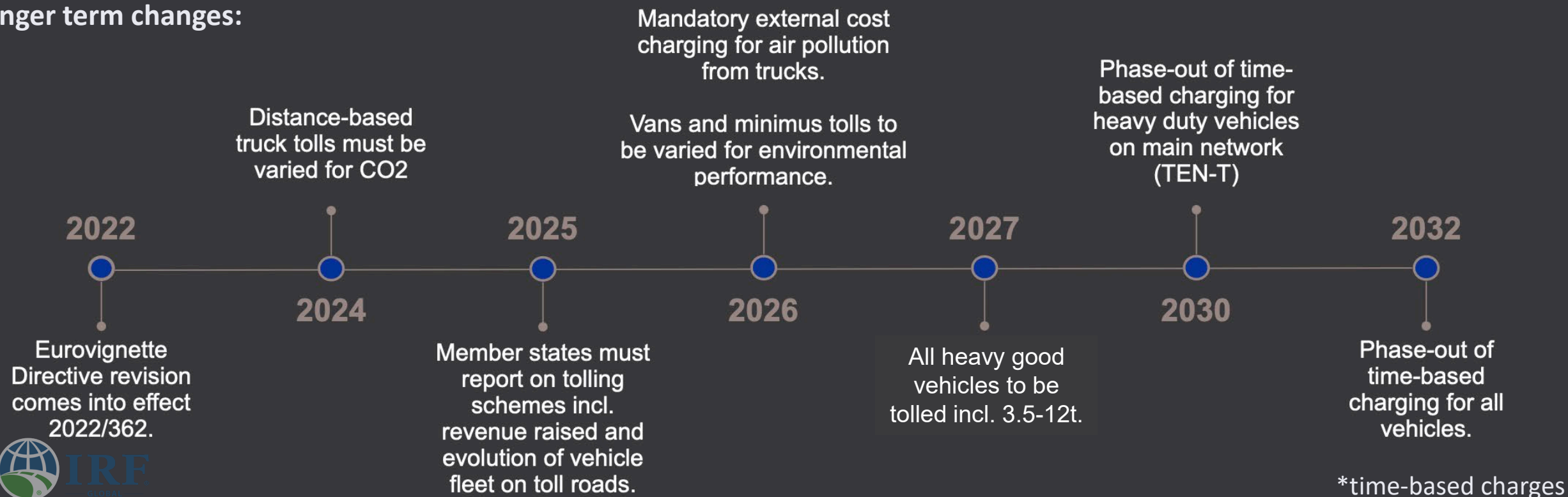
# 2022 Revision to European Directive on RUC

Came into effect on March 22<sup>nd</sup>, 2022. Member states have 2 years to implement but can start earlier.

## Effective now:

- Higher Vignette\* prices for heavy duty vehicles
- Higher external cost charges
- Charging for CO2: variation and/or as external cost
- Toll exemptions for ZEV (until the end of 2025)
- Congestion charging outside urban areas
- Mark-ups outside mountain regions

## Longer term changes:



# Speed Accelerating



Currently no nationwide distance based charging regimes for passenger vehicles in place. EU has been heavily focussed on trucks in the past, but more and more countries wake up to the declining revenue and the dire need to reduce emissions.

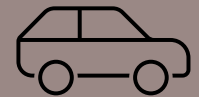
## Belgium



Time Based  
(until 2016)

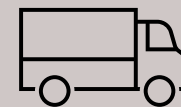


Distance Based  
(2016)



202?

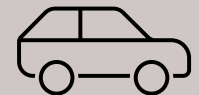
## Netherlands



Time Based  
(now)



Distance Based  
(2026)



203?

## Denmark



Time Based  
(now)



Distance Based  
(2024)



20??




# Electronic European Toll Service (EETS)

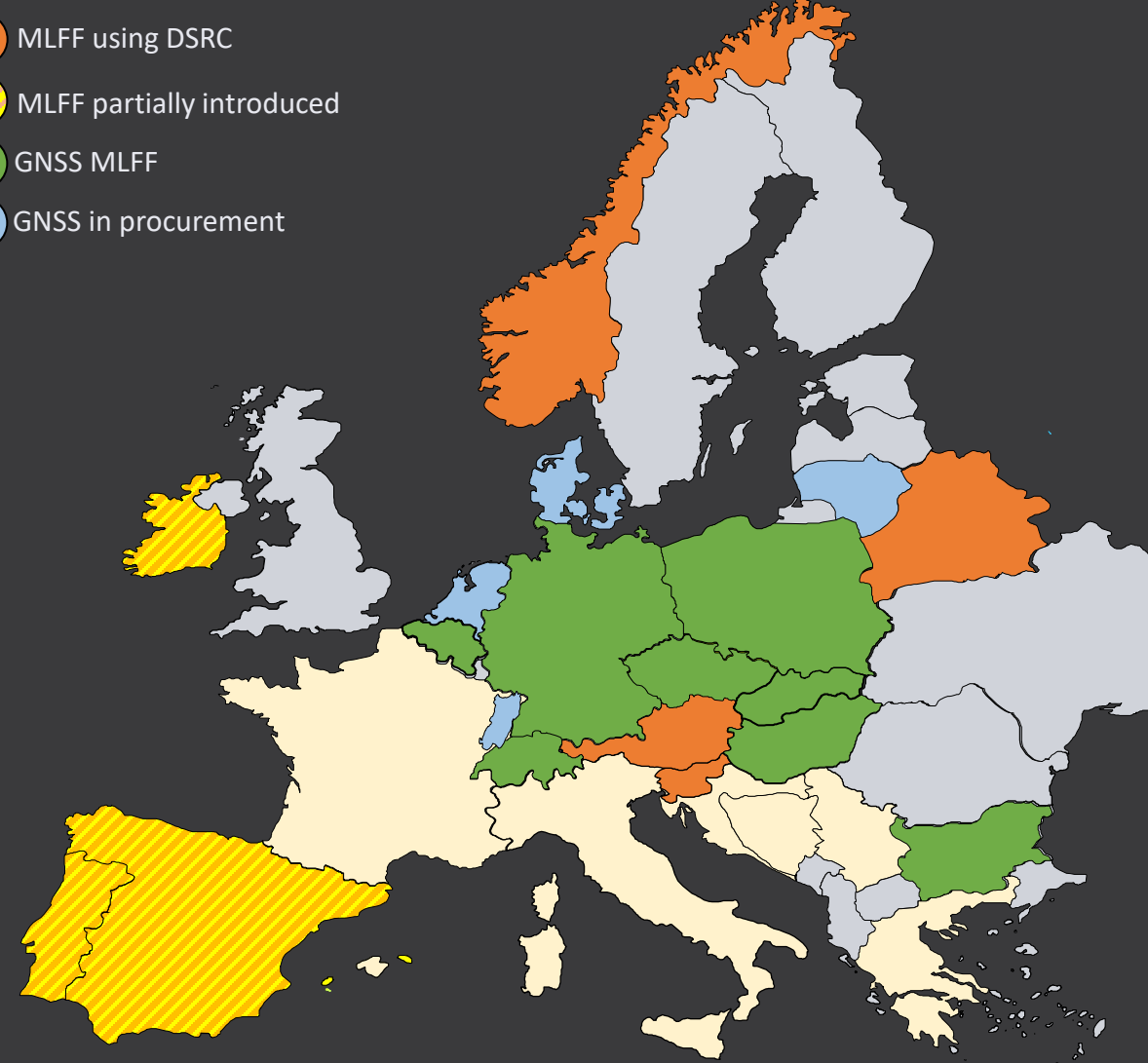


**GOAL:**

**One Vehicle. One Contract. One On-Board-Unit.**

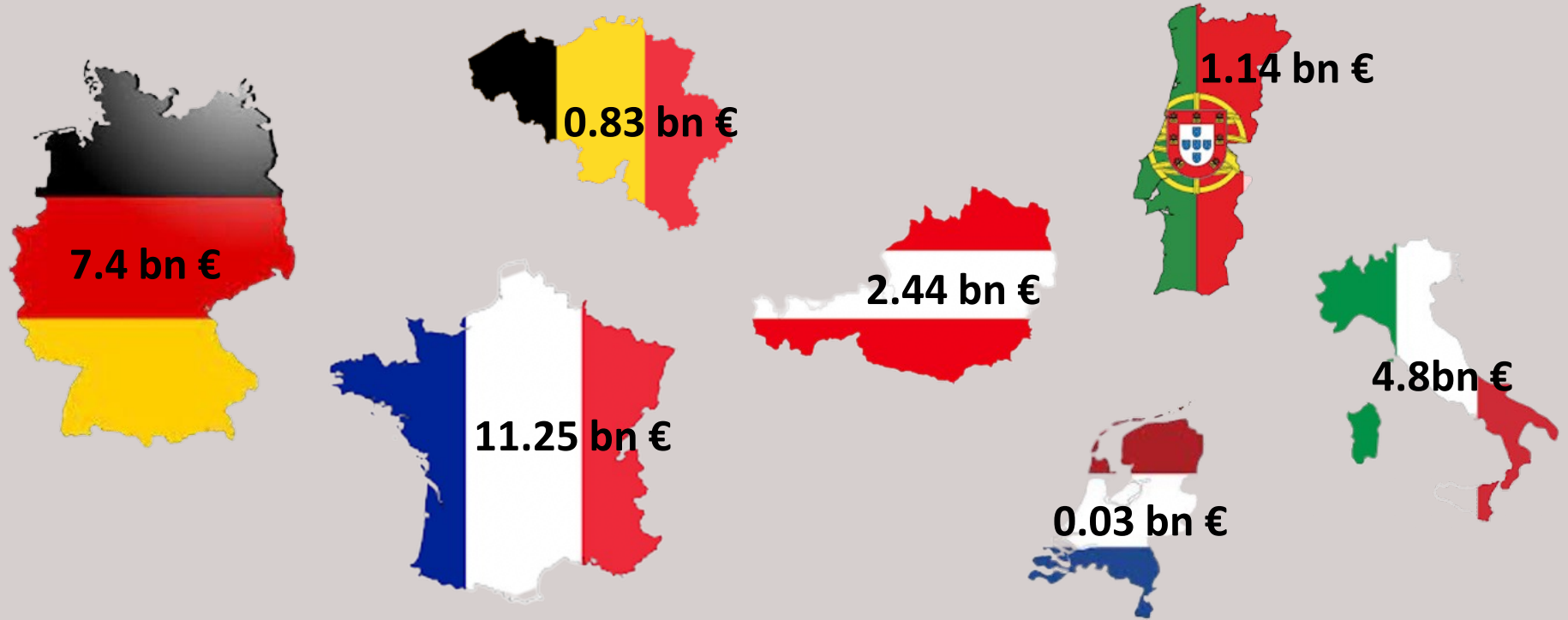


-  Toll Plazas with DSRC lanes
-  MLFF using DSRC
-  MLFF partially introduced
-  GNSS MLFF
-  GNSS in procurement



# MBUF Revenue & Outlook

**>33 bn €**  
Toll Revenue in  
2022



- Trend to GNSS based tolling continues.
- Countries start to utilize MBUF data to improve network.
- MBUF recognized as a key tool to reduce emissions.
- Belgium, Netherlands, Norway and Switzerland leading countries exploring extension to passenger vehicles

# Thank you!



**Nina Elter**

Senior Advisor, IRF Global

Founder & CEO

NEWROAD Consulting

+49 176 456 654 16

[nina.elter@newroad.consulting](mailto:nina.elter@newroad.consulting)

<https://newroad.consulting>