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OUR VISION: SUSTAINABLE MOBILITY & TRANSPORT FOSTER INNOVATIVE, INTEGRATED, SUSTAINABLE, SEAMLESS AND ACCESSIBLE MOBILITY FOR PEOPLE AND GOODS. **SOLVE CHALLENGES OF TODAY AND ENSURE THE FUTURE IN THE AREAS OF** FINANCING, EFFICIENCY, ENVIRONMENT, SAFETY, AND SECURITY. PERSONAL PROPERTY. (C) IRF

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WHO WE ARE. • Founded 2015, independent, we serve public and private clients • Focus on Intelligent Transportation Systems (ITS) applied to road transport, public transport, urban and smart cities, freight & logistics · Innovation management and deployment in digitalization, automation, electrification, smartphonisation, disruptive technologies · Long term and global experience flagship projects

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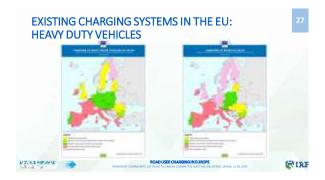












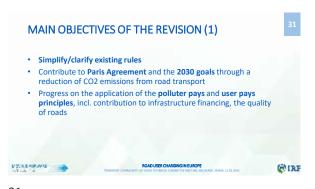
EXISTING CHARGING SYSTEMS IN THE EU: LIGHT VEHICLES PERMITS NO. (C) IRF

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EU ROAD PRICING LEGISLATION DIRECTIVE 1999/62/EC on the charging of heavy goods vehicles for the use of certain infrastructures, consolidated version including updates of maximum amounts https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:01999L0062-20180701&from=EN DIRECTIVE 2006/38/EC amending Directive 1999/62/EC on the charging of heavy goods vehicles for the use of certain infrastructures https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32006L0038&from=EN DIRECTIVE 2011/76/EU amending Directive 1999/62/EC on the charging of heavy goods vehicles for the use of certain infrastructures https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32011L0076 PT-HIAPAGE (C) IRF

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Scope extension: for the first time, EU legislation would cover:

Buses and coaches (similar rules to trucks)

Light vehicles (cars, vans, minibuses):
Proportionality of the price of short term vignettes
Certain general tolling principles (e.g. emission-based variation)

Choice of charging instrument
Phase out vignettes for HGV and bus/coach by 2023
Phase out vignettes for LDVs (van, minibus, passenger car) by 2027

Possibility to reduce vehicle tax (HGVs>12t)
Minimum vehicle tax levels gradually removed

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COMMISSION PROPOSAL:
INVESTMENT IN INFRASTRUCTURE

TODAY

Earmarking of revenues only from mark-ups of 15-25% (only in mountainous regions)

• Applied by Austria and by Slovenia to finance the Brenner Base Tunnel and the upgrade of the Koper-Divača rail link, respectively

PROPOSAL

• Possibility to apply mark-ups outside mountain areas
• Earmarking of revenues from mark-ups and congestion charges to develop transport infrastructure and services
• Enhanced reporting requirement

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STATE OF LEGISLATIVE PROCESS - EUROVIGNETTE

Commission proposal in May 2017

European Parliament report adopted in Oct 2018 - going beyond COM proposal:

actually replacing vignettes by tolls for all vehicles

mandatory external cost charging on toll roads for all vehicles from 2026

earmark all revenues to transport infrastructure and services

Council

Different views in Council

Limited progress for 1,5 year

RO Presidency: restarted the discussions on the Eurovignette Directive

FI Presidency: objective to reach a general approach

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EXPECTED IMPACTS

Main benefits:

• Savings for road users (predominantly for heavy vehicles): reduced compliance cost and burden

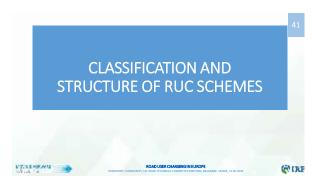
• Savings for toll chargers: less OBE to be procured for purely national purposes

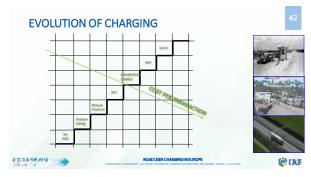
• Better enforcement of tolls from foreign offenders: €150 million additional revenues per year.

Main costs:

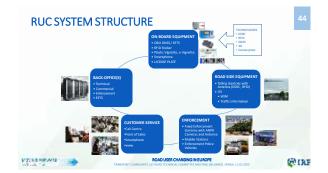
• Investment by toll chargers in upgrading interfaces to harmonised standards

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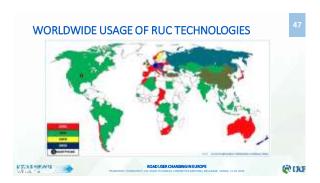




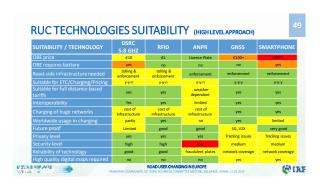


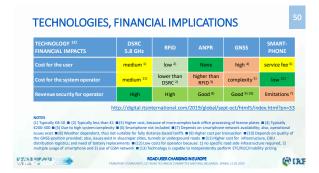












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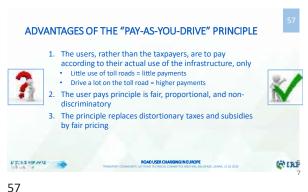




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1. General Data Protection Regulation (GDPR) ensures proper privacy deployment on national and European levels
2. Data Subject Rights: breach, access, forgotten, portability, officers and enforcement, design
3. Increased territorial scope
4. Penalties
5. Consent

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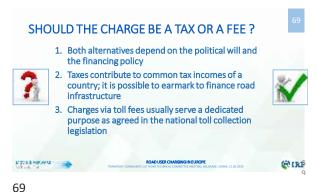


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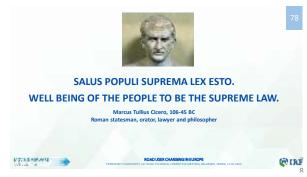




IMPORTANT RECOMMENDATIONS 1. Consider national policies and future requirements Create powerful communication and information exchange between all stakeholders Select mode of operation, payment, and proven technologies not cause congestion by the RUC scheme 4. Ensure common system architecture for RUC, ITS, Road Safety and BEST investment and operational cost Create affordable tariffs to serve financing AND sustainability Implement an efficient enforcement regime to ensure incomes Ensure interoperability to your neighbours and into Europe 8. Consider inter-urban and urban charging platforms Ensure scalability, growth, technology disruptions PERSONAL PROPERTY. (IRF

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