



UVAR State of the Art Report

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UVAR State of the Art Report



- Deliverable 1.1, submitted in July 2021, in review with DG MOVE's feedback
- Structure
 - Methodology
 - UVAR definition
 - Schemes & Processes
 - Lessons learned for UVAR Box

UVAR State of the Art Report



- Methodology
 - Definition of UVARs & their attributes
 - Outreach to stakeholders based on CLARS information
 - Contacts database
 - Questionnaire
 - Workshops, interviews
 - Desktop research (mainly local websites)

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➤ UVAR Definition

➤ UVAR Types: LEZ, LTZ, CS, PARK, PED

➤ UVAR Attributes:

Attribute	Example
Administrative data	Responsible authority
Type of regulation	Ban, Payment requirement, etc.
Time validity	Period of the day, of the week, etc.
Activation process	Trigger for dynamic UVARs
Location	Roads, Spatial coordinates, etc.
Applicability conditions	Conditions to be granted access
Exemptions	Vehicle category
Registration	Process to be granted access
Enforcement method	Cameras, physical barriers, etc.
Penalty fee	Amount to pay for violation
Signage	Static or variable signs on the road

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➤ Schemes & Processes

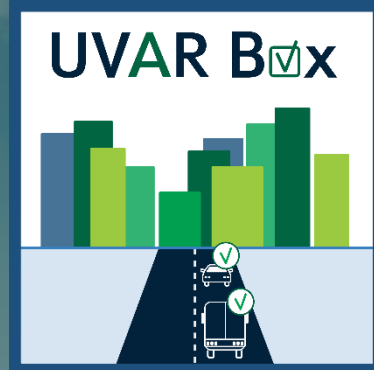
Per country, per UVAR type

- Existing and planned schemes in cities/regions/states
- Processes to create UVARs
- Processes to communicate UVARs

Current and planned UVAR measures in the Netherlands

	Amsterdam	Utrecht	Arnhem	The Hague	Heavy Duty Vehicles LEZ	Groningen
Most common UVARs	LEZ LTZ/PED PARK	LEZ LTZ/PED PARK	LEZ PARK	LEZ PARK	Lorry LEZ	LTZ/PED PARK
Responsible entity	LEZ: National and city level LTZ/PED: City PARK: National level				Lorry LEZ: National level	LTZ/PED: City PARK: National level
Time Validity	LEZ: Permanent LTZ/PED: Permanent or outside window times					
Activation processes (only for dynamic schemes)	N/A					
Location	LEZ: City center					
Applicability conditions	LEZ: Diesel Euro 4 rating. All petrol and diesel cars banned from 2030 LTZ/PED: From specific vehicles/users to all motorised vehicles	LEZ: Diesel Euro 4 rating. Diesel Euro 5 rating from 2025 LTZ/PED: From specific vehicles/users to all motorised vehicles	LEZ: Diesel Euro 4 rating LTZ/PED: From specific vehicles/users to all motorised vehicles	LEZ: Diesel Euro 4 rating LTZ/PED: From specific vehicles/users to all motorised vehicles	Diesel Euro 4 rating. Diesel Euro 6 rating from 2022	LTZ/PED: From specific vehicles/users to all motorised vehicles
Exemptions	LEZ: Oldtimer PARK: Municipal parking and residents, electric vehicles, blue zones	LEZ: Oldtimer + daypass PARK: Municipal parking and residents, electric vehicles, blue zones	LEZ: Oldtimer + daypass PARK: Municipal parking and residents, electric vehicles, blue zones	LEZ: Oldtimer PARK: Municipal parking and residents, electric vehicles, blue zones	Up to 12 day passes for Euro 3 rating or lower	PARK: Municipal parking and residents, electric vehicles, blue zones
Registration	LEZ no need to register vehicle					
Enforcement method	LEZ/LTZ/PED: Enforced with cameras					
Penalty fee	LEZ 100€, mopeds 70€	LEZ 100€	LEZ 100€	LEZ 100€, mopeds 70€	250€	

UVAR State of the Art Report



Processes to create UVARs			
	1 – Policy development (issue analysis and adequate authority to act); 2 – Solution development and plan of approach; 3 – Legislation and Regulation approval procedure LEZ: City Mobility and/or Environment departments initiative and implement; National support initiative for Zero Emission Zones		
Processes when publishing and disseminating UVARs			
<i>Where</i>	On the city website, via the NAP, and on private organisations' websites	Local and/or national register LEZ: National LEZ website LTZ/PED: Cities' public websites and open data portals PARK: Cities' public websites, Private parking service providers, <u>Parkeer data catalogus service</u>	Central access point to all information about government organisations
<i>In which formats</i>	DATEX II	LEZ: Semi-structured data and digitised maps LTZ/PED: Digital geographical information, if existing PARK: DATEX II compatible format	PDF and XML/JSON
<i>Links</i>	https://www.amsterdam.nl/parkeren-verkeer/milieuzone-amsterdam/	https://www.overheid.nl/ or https://www.officielebekendmakingen.nl/staatscourant PARK: https://www.parkeerdatacatalogus.nl/	https://www.officielebekendmakingen.nl/staatscourant
<i>Update process</i>	When regulations change		
<i>SDG awareness</i>	No information		

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- Lessons learned for UVAR Box
 - Common attributes
 - Lacking accepted standardised digital format for UVARs
 - Lacking resources, skills, difficulty in digitising data
 - Various digitization level in cities → adaptative tools