



# Improving access to digital information about UVAR schemes - UvarBox

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# Why UVARBox?

## The context

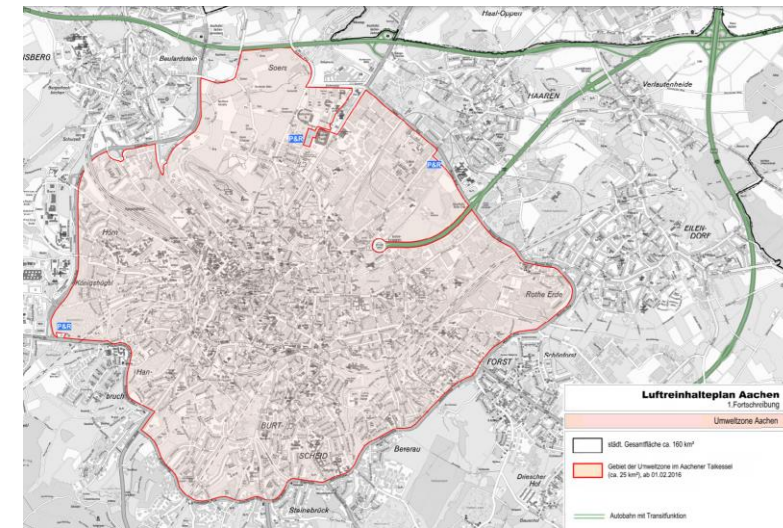
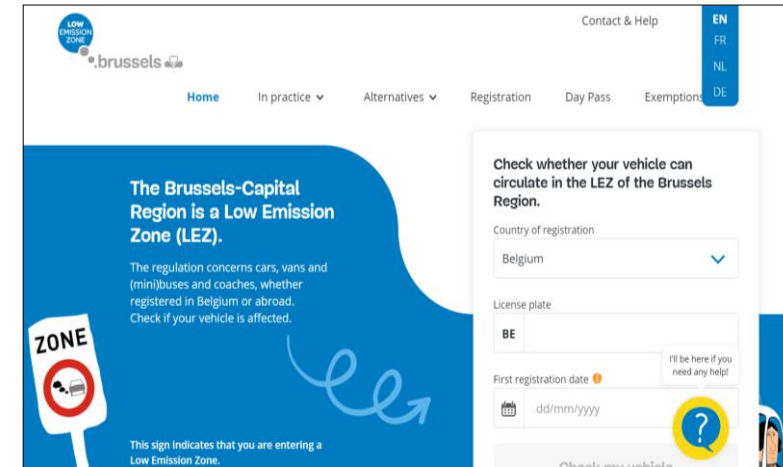
- UVAR schemes are diverse: type; spatial extent; temporally
- Information about UVAR schemes: local; not machine-readable; not standardised

## The problem

- Information about UVAR schemes is not easily accessible through digital tools (navigation, fleet management, route planning apps, etc)
- Infringement is therefore high amongst foreign drivers in particular
- EC receives many complaints from frustrated drivers about penalties and lack of information

## The solution

- Integration of UVAR schemes into digital tools
- Support for cities in putting their UVAR scheme into a standardised and machine-readable form

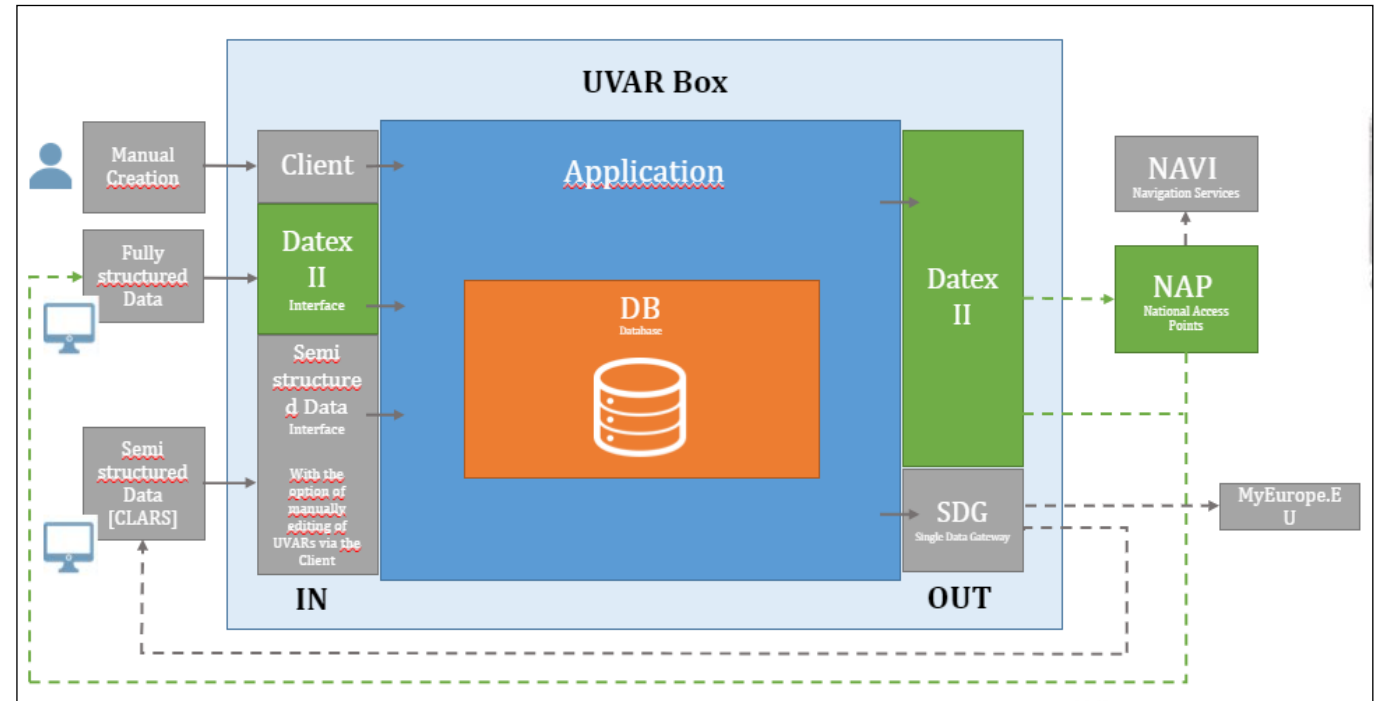




# UvarBox

Tool box for Uvar implementing authorities offering the following functions:

- Automatic conversion of digital Uvar data (GIS, Excel, etc) into a standardised form (DATEX II)
- Digitisation of analogue Uvar data (eg, pdf file) & conversion into a machine-readable DATEX II file
- Generation of Word and Excel files compliant with potential European legislation (revised RTTI delegated regulation) and the SDG directive



## Use cases

**UC 1 : Authority has no digital data**

=> Uses the client to create Uvar's which are convertible to Datex II

**UC 2: Authority has digital data, but not fully convertible to Datex II**

=> Imports the data to the Uvar box and then fulfils it in the webclient

**UC 3: Authority has digital data which is fully convertible to Datex II**

=> Imports directly via the Datex II Interface

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# UVARBox benefits

## For public authorities:

- A tool that is fit for purpose
- Integration of UVAR schemes into pre- and on-trip information services:
  - ✓ improved compliance among drivers, especially foreign drivers
  - ✓ Fewer polluting emissions
  - ✓ Fewer complaints about not being aware of schemes/fines
- Preparedness for EC legislation (RTTI delegated regulation & SDG Directive)
- Support digitalisation of traffic regulations and wider local government digitalisation efforts

## For road users:

- Easier trip planning
- More informed decisions
- Support for vehicle/fleet purchasing or renting strategy
- New types of services may emerge



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# UvarBox basics

**Tender reference:** MOVE/B4/2019-498 , 08/20-07/22 (Notice: 2019/S229-561113)

## Activities:

- Tool development (data structure, interface, templates)
- Data gathering for tool validation
- Sustainability
- Capacity building
- Stakeholder engagement & outreach
- Events (webinars and hackathon)

**First workshop – Oct/Nov 2020**

**For information: [mcoyne@polisnetwork.eu](mailto:mcoyne@polisnetwork.eu)**

## Stakeholder engagement:

Local/regional authorities

Road users

National Access Points

ITS & DATEX II community

App developers

Single Digital Gateway agencies

**Country coaches:** Italy, Germany, Netherlands, Belgium, Austria

**Uvar types:** Low Emission Zones, Congestion charging schemes, Limited traffic zones, Parking regulations, Pedestrian zones

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# Preparatory Action User-friendly Information Tool on Urban and Regional Access Regulations Schemes

Thank you for your attention.



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