

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

### UVAR Box Tool

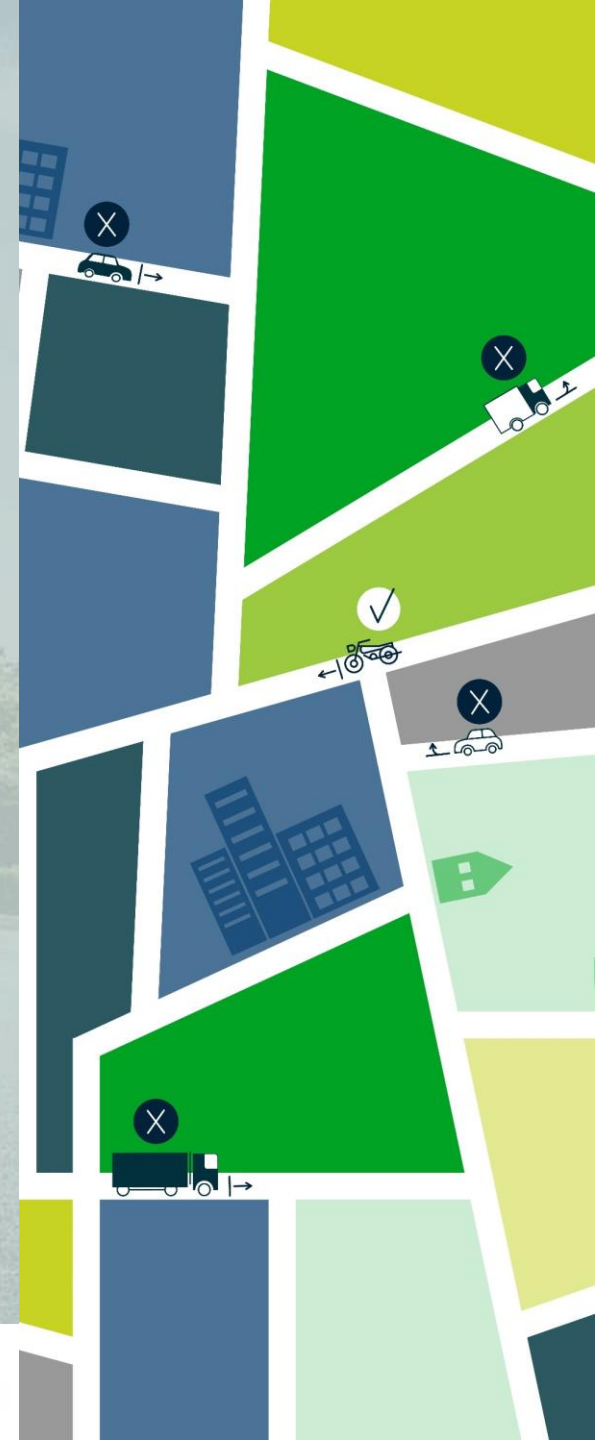
Thomas Piribauer - PRISMA solutions

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European Commission Directorate - General for Mobility and Transport

Contract: MOVE/B4/SER/2019-498/SI2.832125



Consortium:





## UVAR Box Tool

# UVAR Box challenges

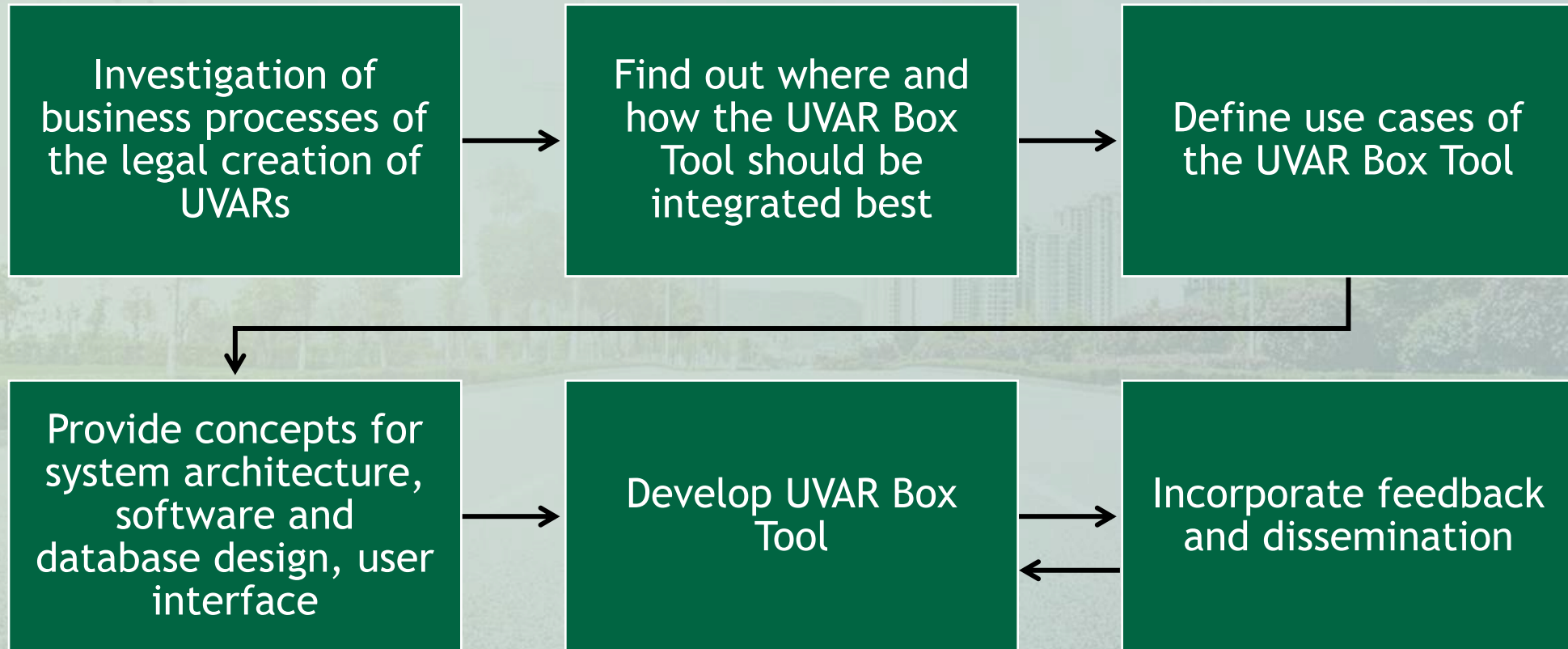
### Challenges

- Information often not standardised
- Information often not digitally available
- No access to information for services
- Drivers often do not conform (not knowing the actual regulation)

### Solution

- Standardise and digitise the process
- Support municipalities and countries
- Standard for communication (DATEX II)

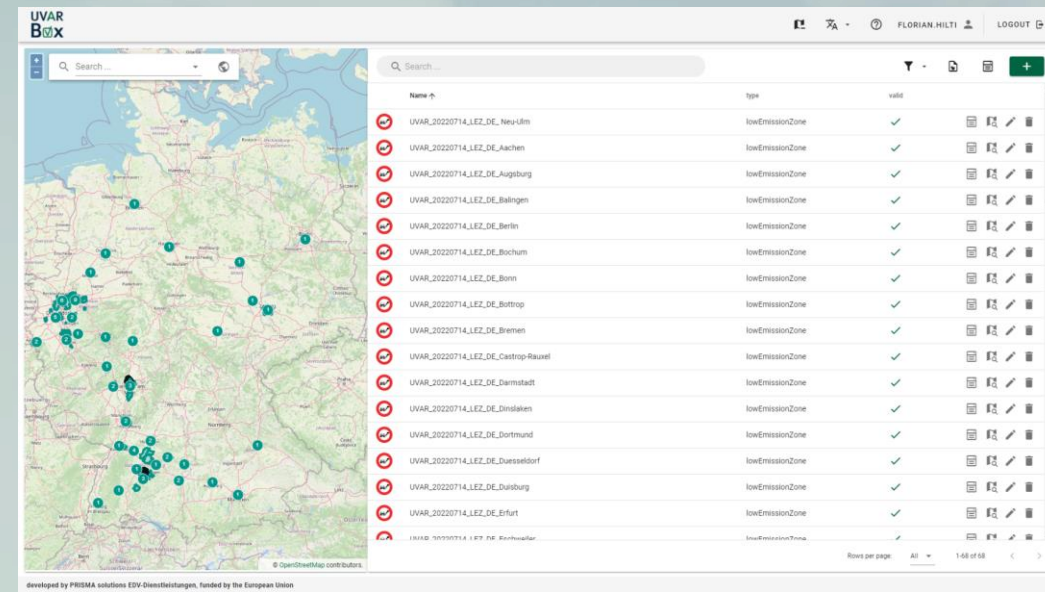
### process to develop the UVAR Box Tool



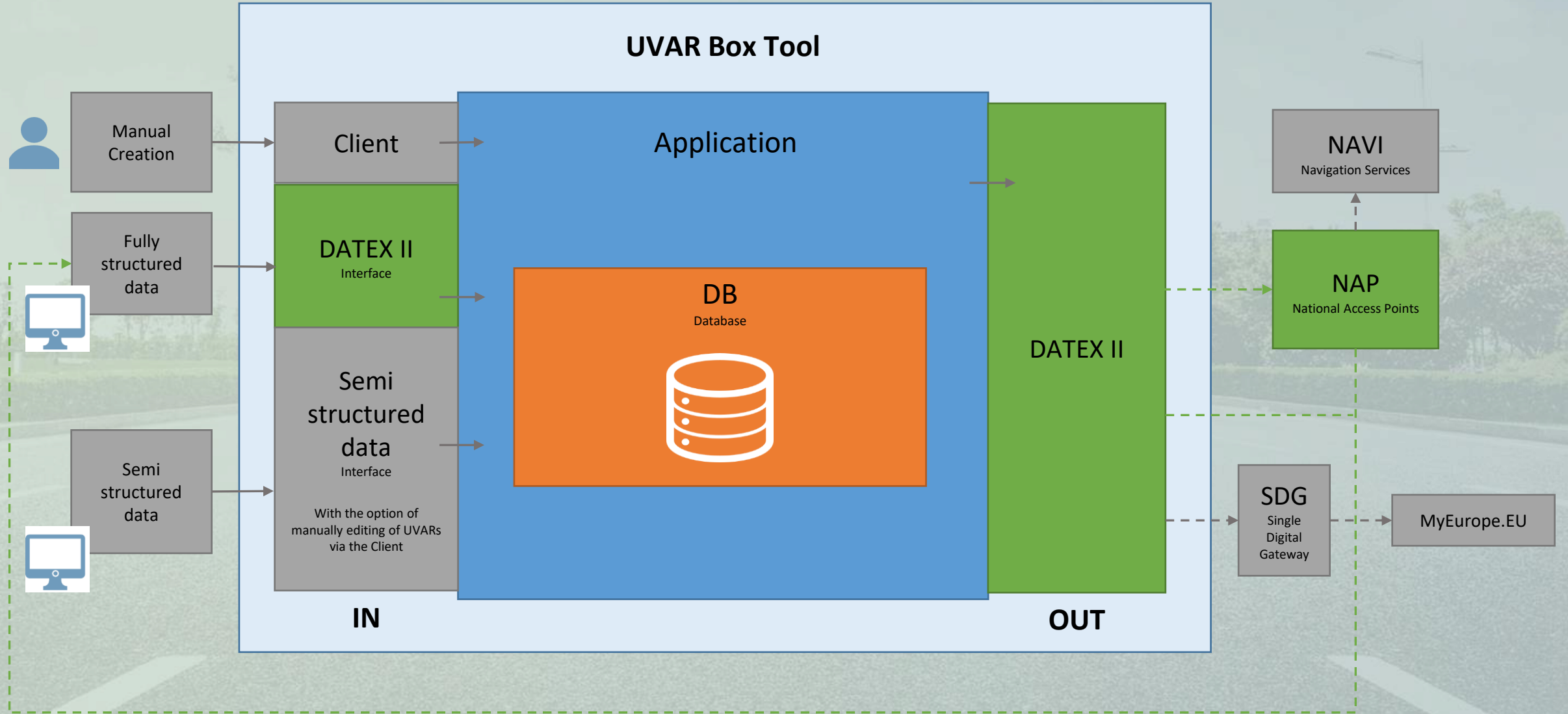


### Result

- User-friendly software tool
  - for digitisation and maintenance of UVAR data
  - based on the developed UVAR Box data model (DATEX II)
  - with high configurability in terms of layout, language support, use of UVAR templates etc.
  - to facilitate the conversion of UVAR information into machine readable data in standardised form (DATEX II)
  - to enable the integration into existing solutions
  - to support user rights by an authentication and permission system
  - build upon free and open-source frameworks and libraries
  - deployed on central UVAR Box server, usable with standard web-browsers
  - technical basis for data collection activities in the UVAR Box project



## UVAR Box Tool Architecture and data-flows



### UVARs

Create new UVAR

Edit existing UVAR

Add geometry from file

Store UVAR with attributes

Save UVAR as template

Validate UVAR

### Import and export

Import of fully-structured data

Import of semi-structured data

Export of DATEX II data

### Map

Navigate map

Navigate to default extent

Search in the Map for Cities and Regions

Filtering the Map

### Administration

Configuration of the system

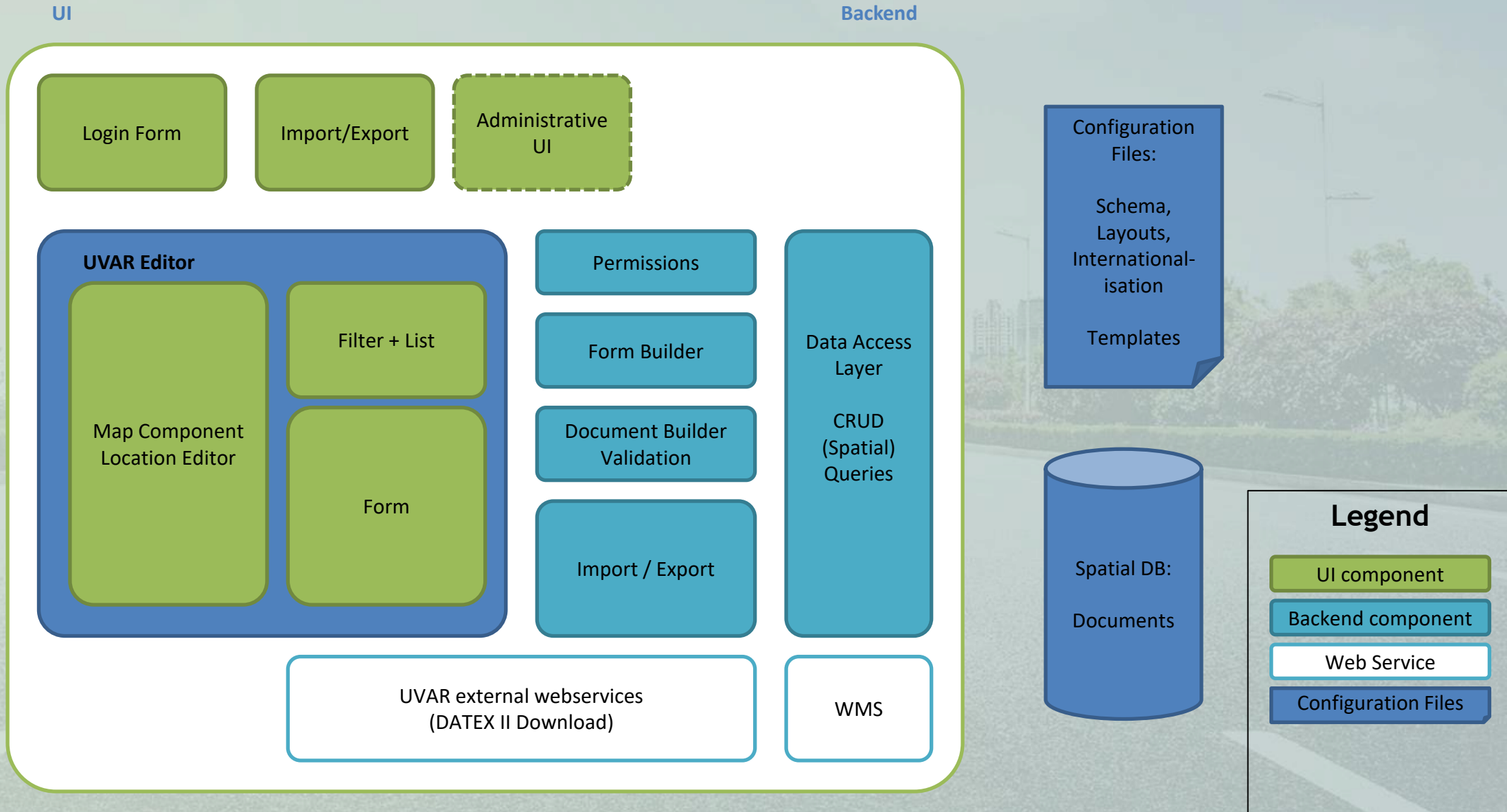
### List

Search existing UVARs

Filter existing UVARs



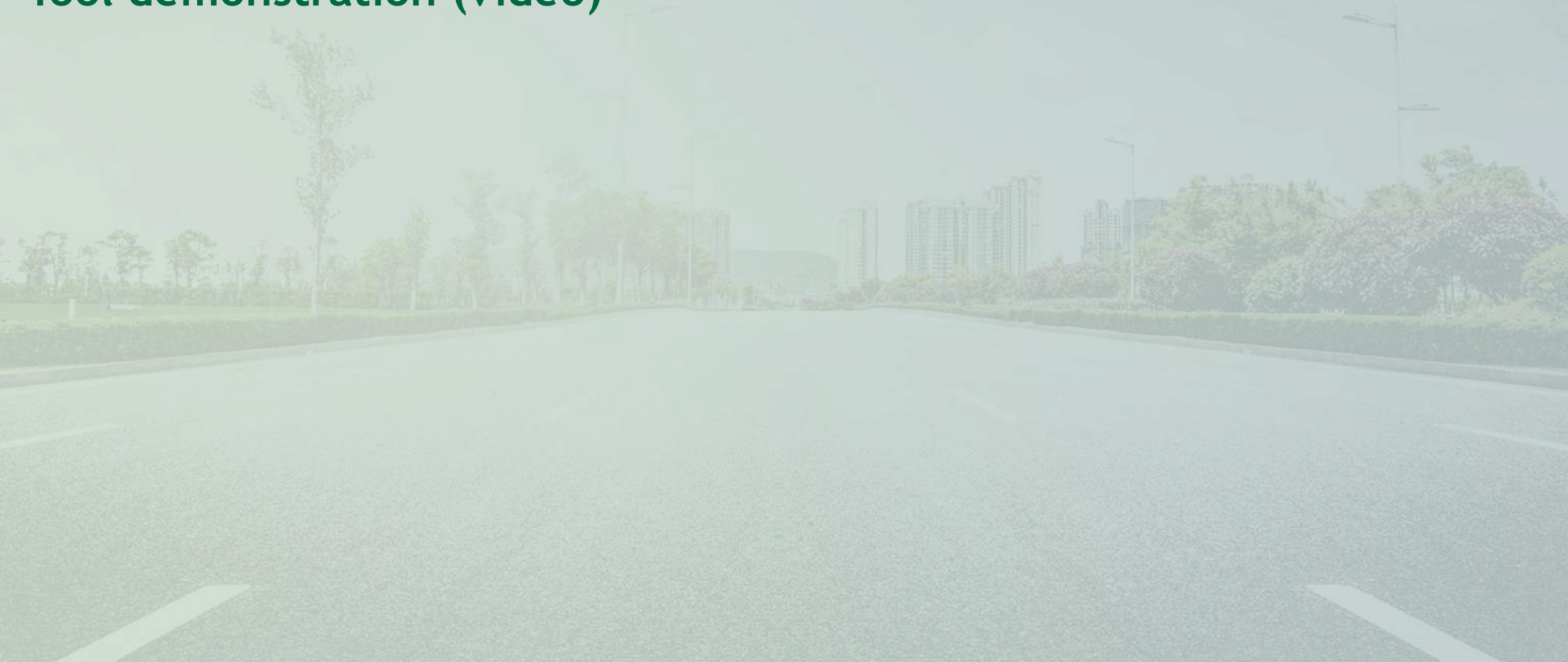
## WP2 UVAR data collection and maintenance components of the UVAR Box tool - software development





# UVAR Box Tool

Tool demonstration (video)





Thank you for your attention!