

# Swedish Transport Administration

Manage and improve process for road traffic regulation  
Architecture slides

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# Agenda

- Roadmap and architecture to improve digitalization of traffic regulations
- Findings from Gothenburg pilot

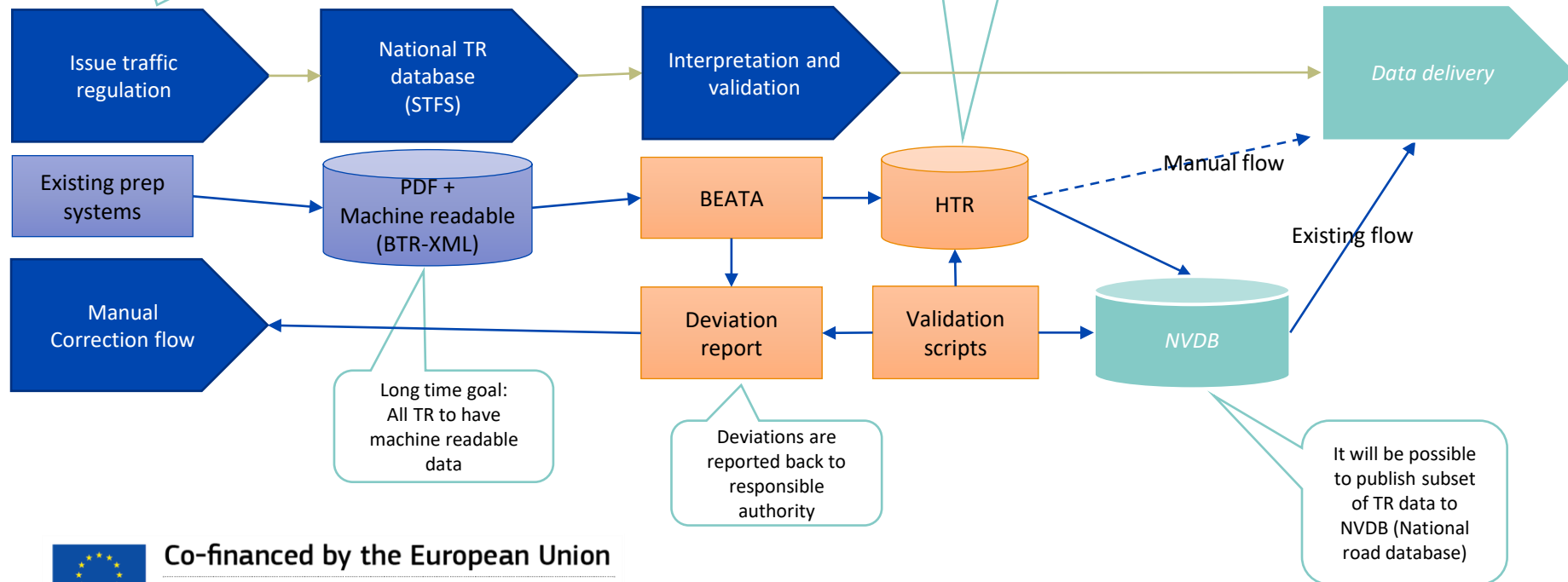


# Current pilot 2022

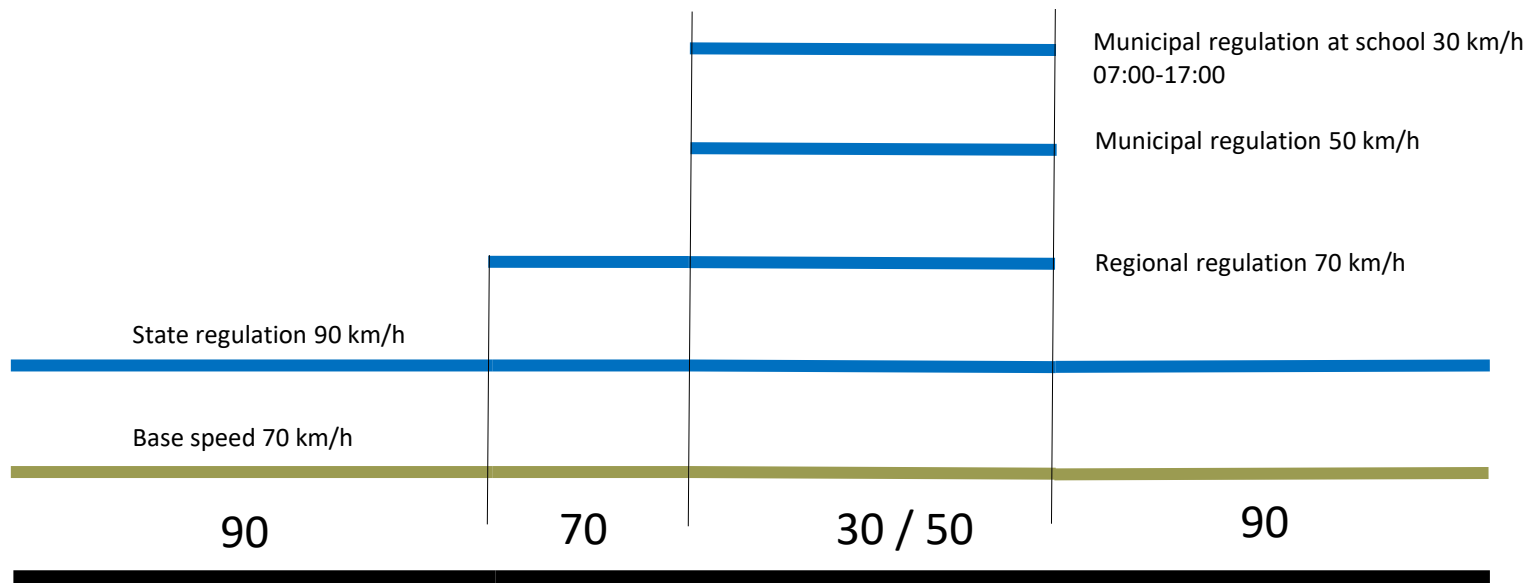
Traffic regulation (TR) issued by authorities (national, regional, municipal)

Automated interpretation of TR with BTR-XML data

Derived traffic rules stored in new geodatabase TNE/HTR

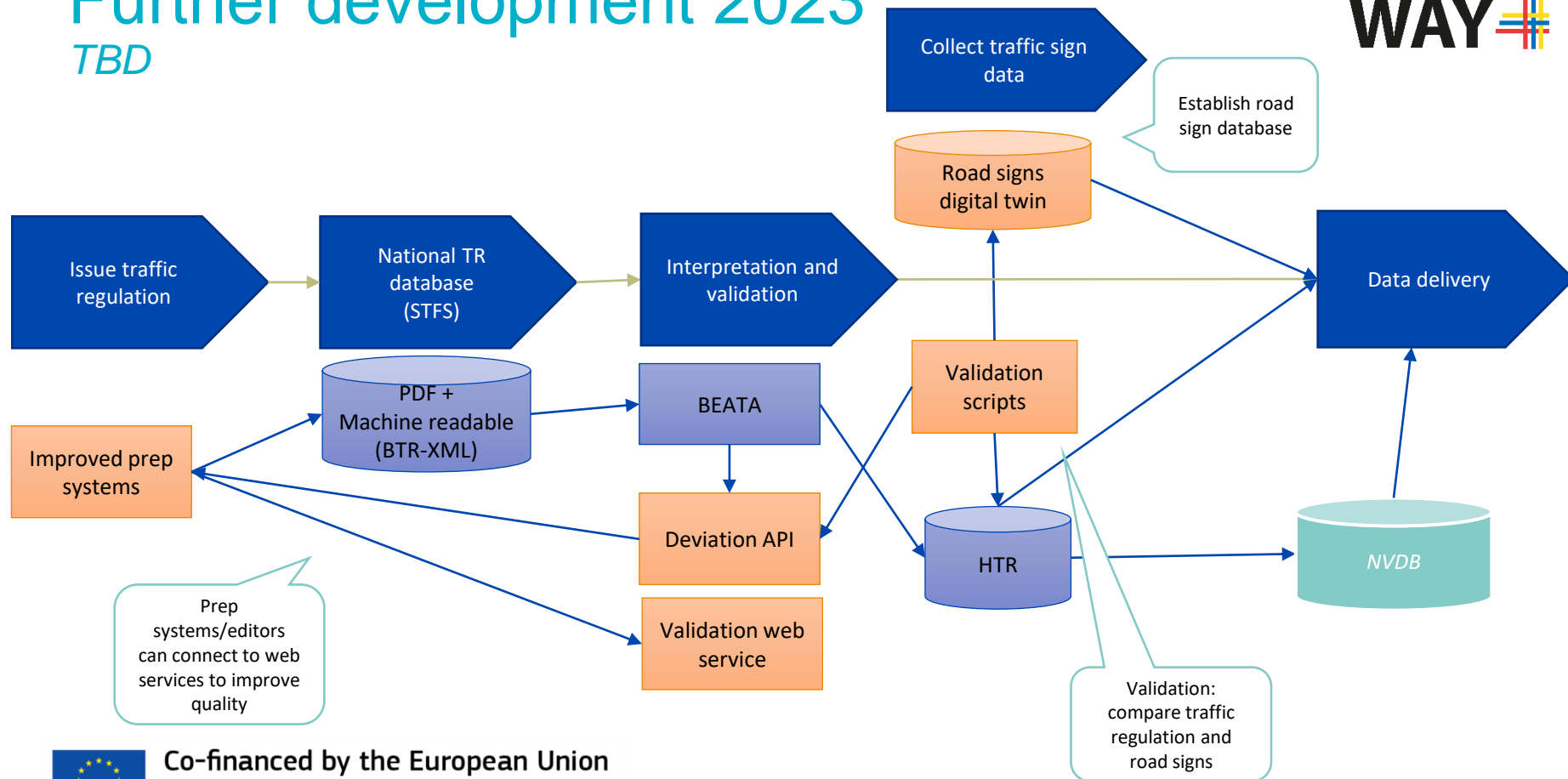


# Automatic interpretation – example speed limit



# Further development 2023

TBD



# Beata services & TNE/HTR geo database

Beata systemöversikt

- Start
- Processer
- Arbetskö
- Systemloggar
- Avvikelser
- Dataservice cache
- Systemhantering
- Dataservice info

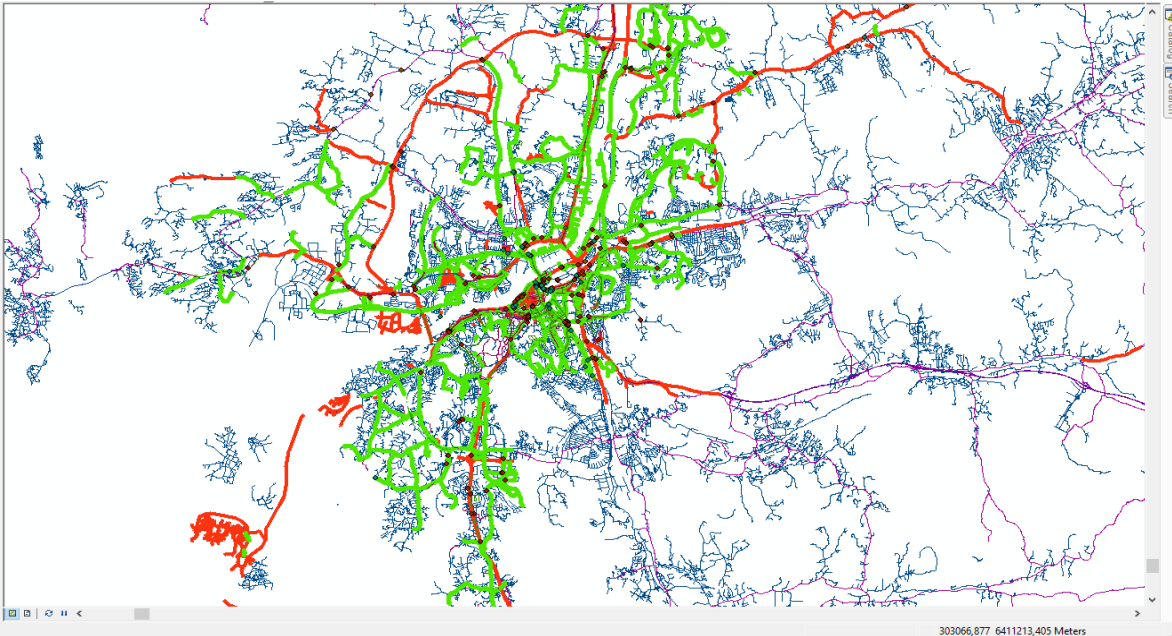
## Beata systemöversikt

Tjänsternas status

Service
Trafikverket.Beata.ProducerService
Trafikverket.Beata.ReportService
Trafikverket.Beata.ExportService
Trafikverket.Beata.DataService
Trafikverket.Beata.ConsumerService

CPU och minnesanvändning

Enhet	Användn
Cpu	14%
Minne	4570 MB





# Gothenburg Pilot

- Focus:
  - Evaluate processes, tools and way of working for handling of road network and local traffic regulations
  - Test the architecture by deriving Gothenburg's local traffic regulations from STFS (speed, environmental zone, weight = "bärighetsklass")
    - Tuning Beata, validation scripts
    - Creating & tuning deviation reports
    - Corrections
- Findings so far
  - City of Gothenburg's internal processes are working fine
  - High quality local traffic regulations and road network
  - Need for development of tools to
    - Support handling of several time versions of the road network and date changes (ÖFT)
    - Support Z-position/altitude in areas (bridges and tunnels)
    - Extend quality checks
  - Dialogue with NVDB regarding handling of complex cases and changes of ÖFT



**Göteborgs  
Stad**



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# Static and dynamic traffic rules

## Static traffic regulation:

- Speed
- Weight restrictions
- Parking
- Charging stations
- Etc.

## Dynamic traffic regulation:

- Road work
- Weather dependant
- Low emission zones
- Varying speed
- Etc.

