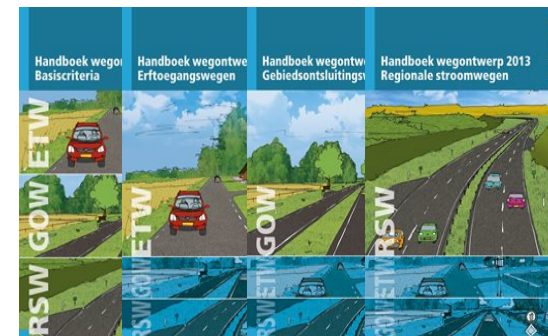


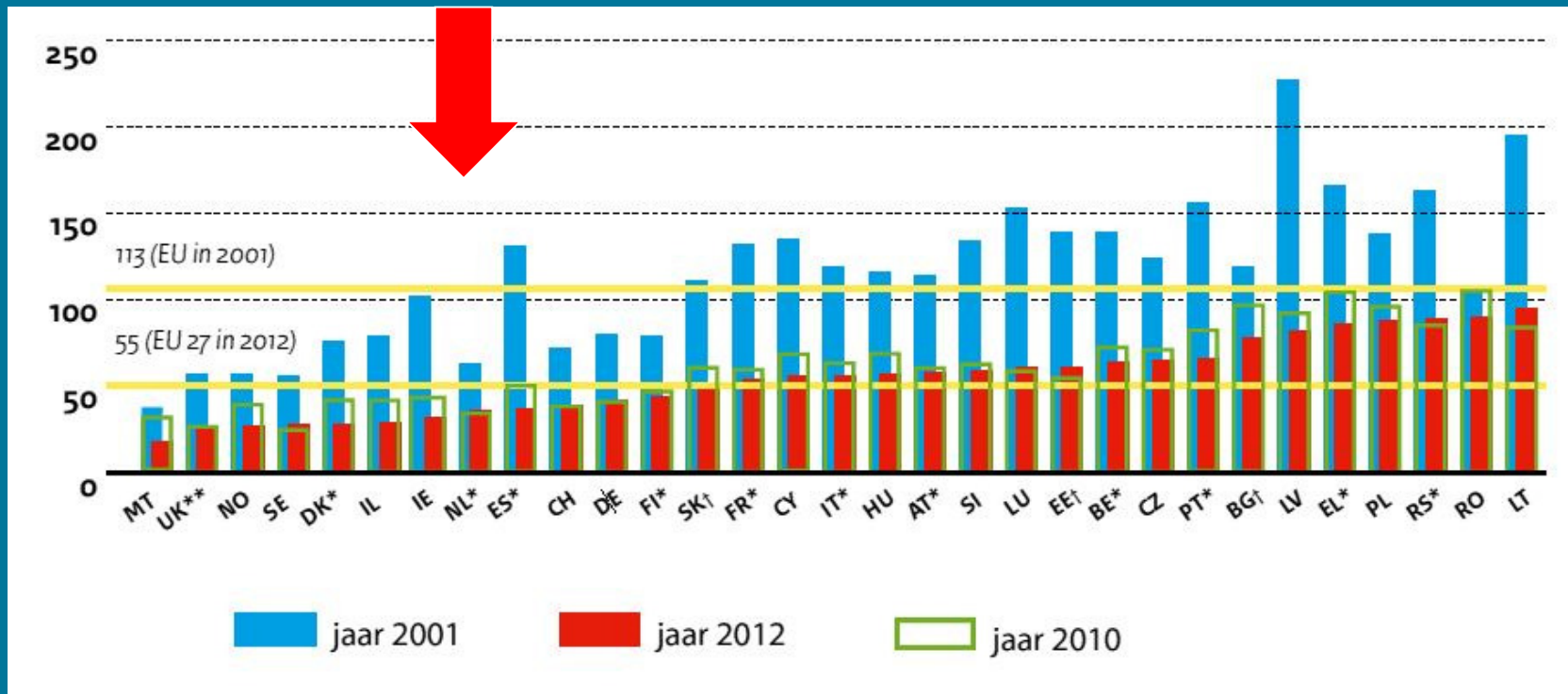
# National Geometric Guidelines

**John Boender**

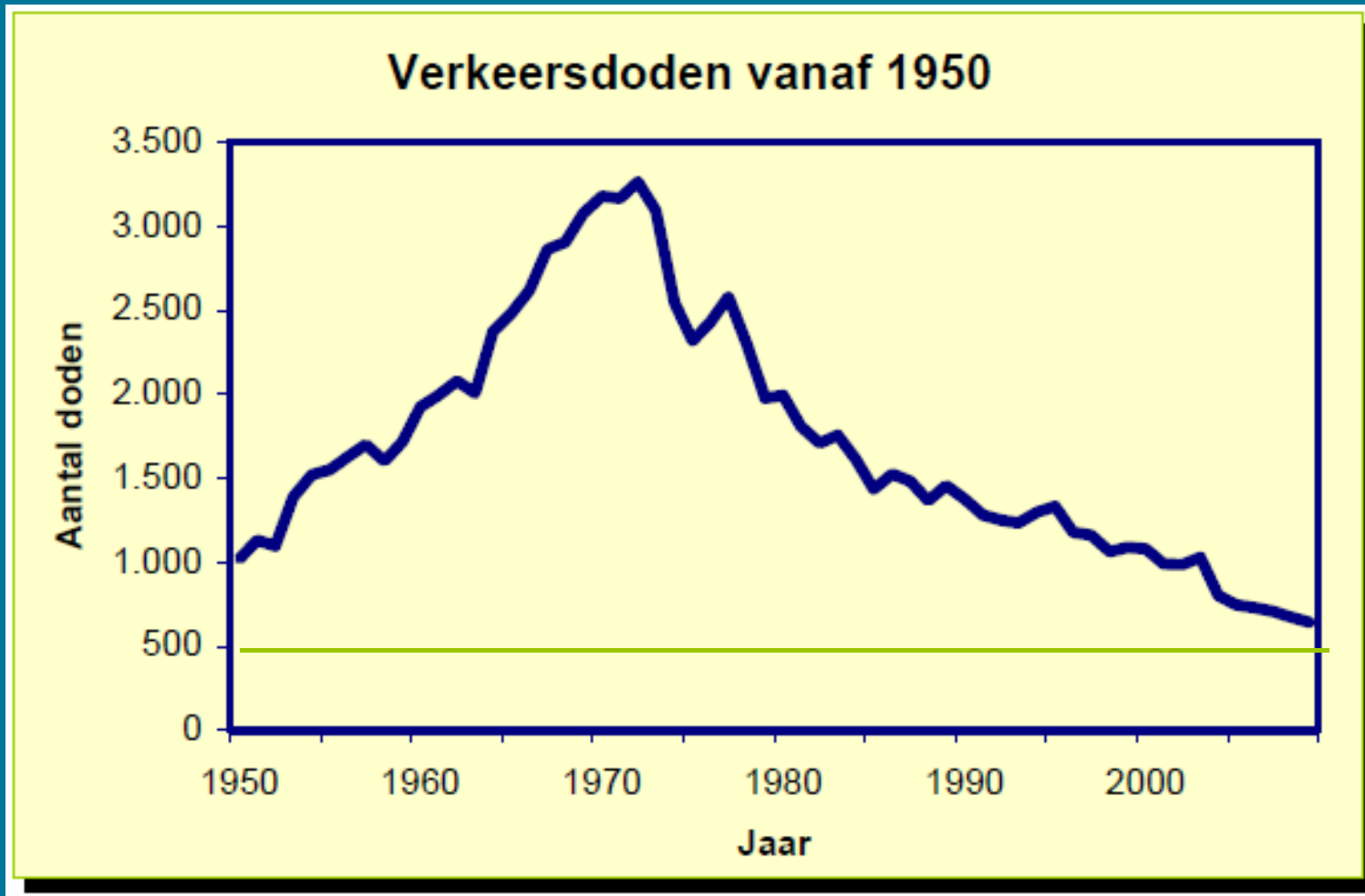


# Why guidelines ?

Registered traffic death per 1 million inhabitants in 2001, 2010 en 2012



# Development in traffic deaths



# Guidelines renewed in NL

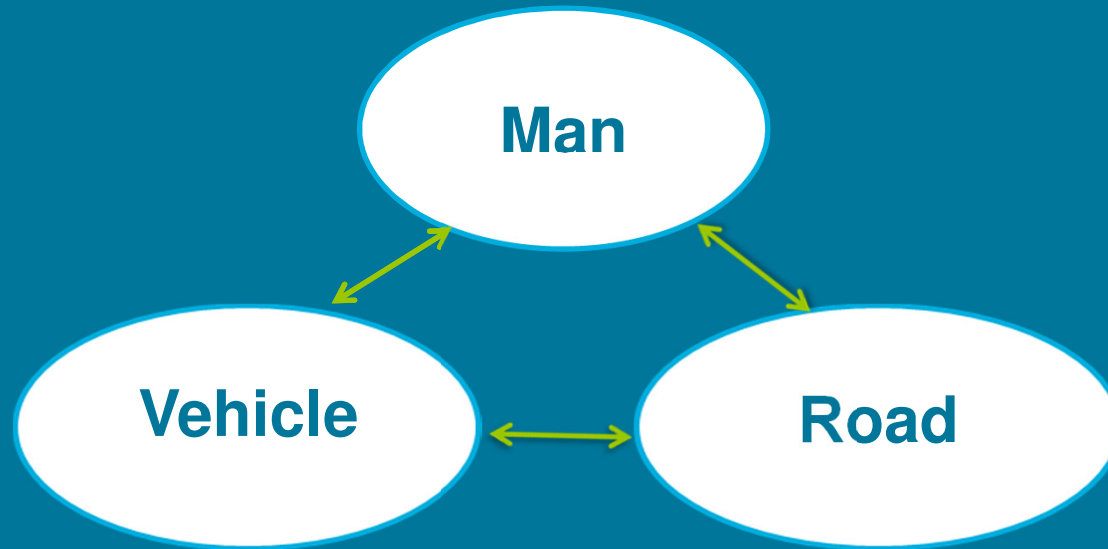
## 2012: quality upgrade

- Separation between basic criteria and design for road types
- Remove errors and inconsistencies

## 2013: update knowledge

- New categorisation
- Essential characteristics
- And several publications added

# Components Road System



# Categorisation



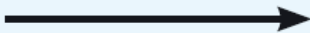





- Three road categories
- Through roads
- Distributor roads
- Access roads



# Categorisation

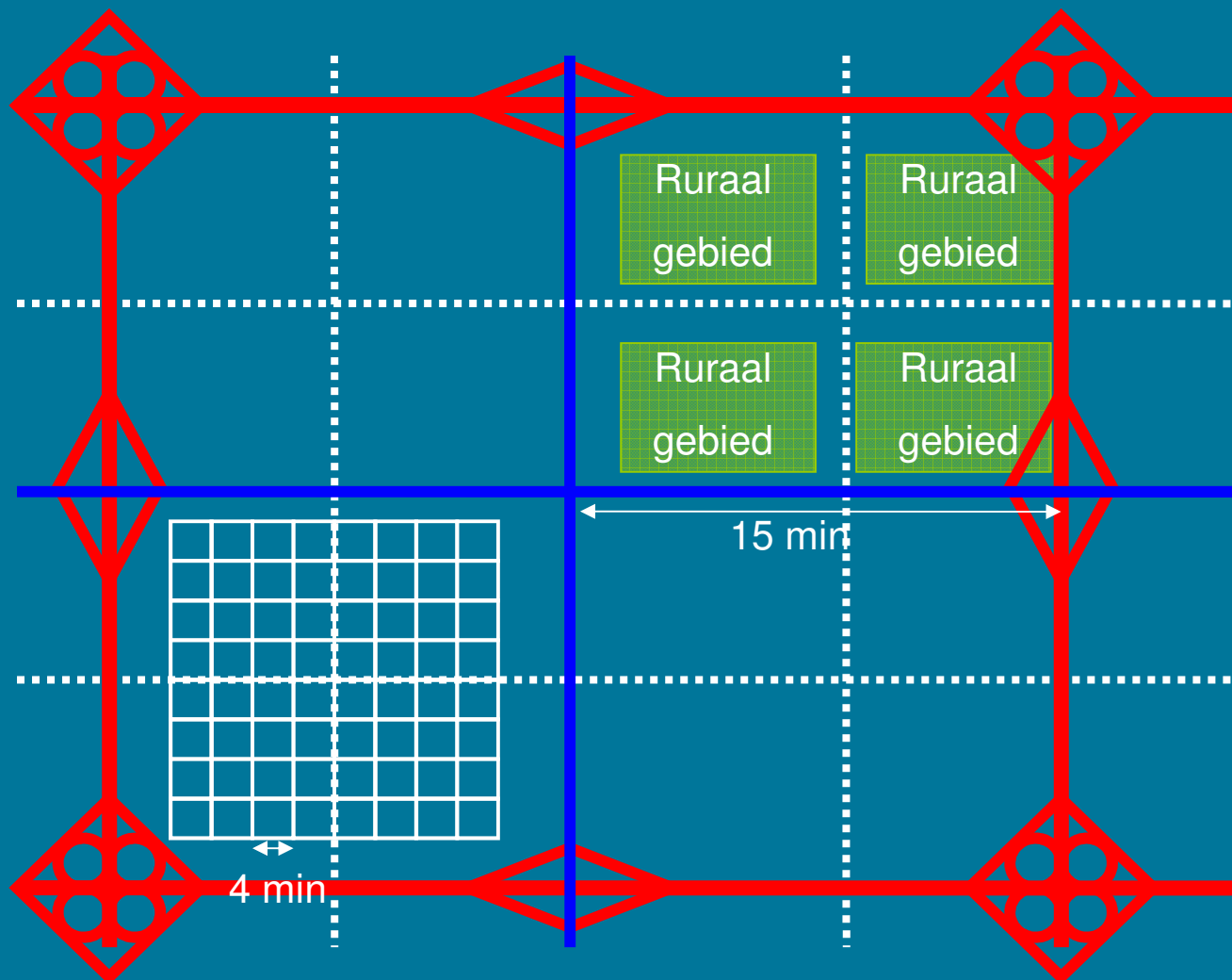


# Categorisation

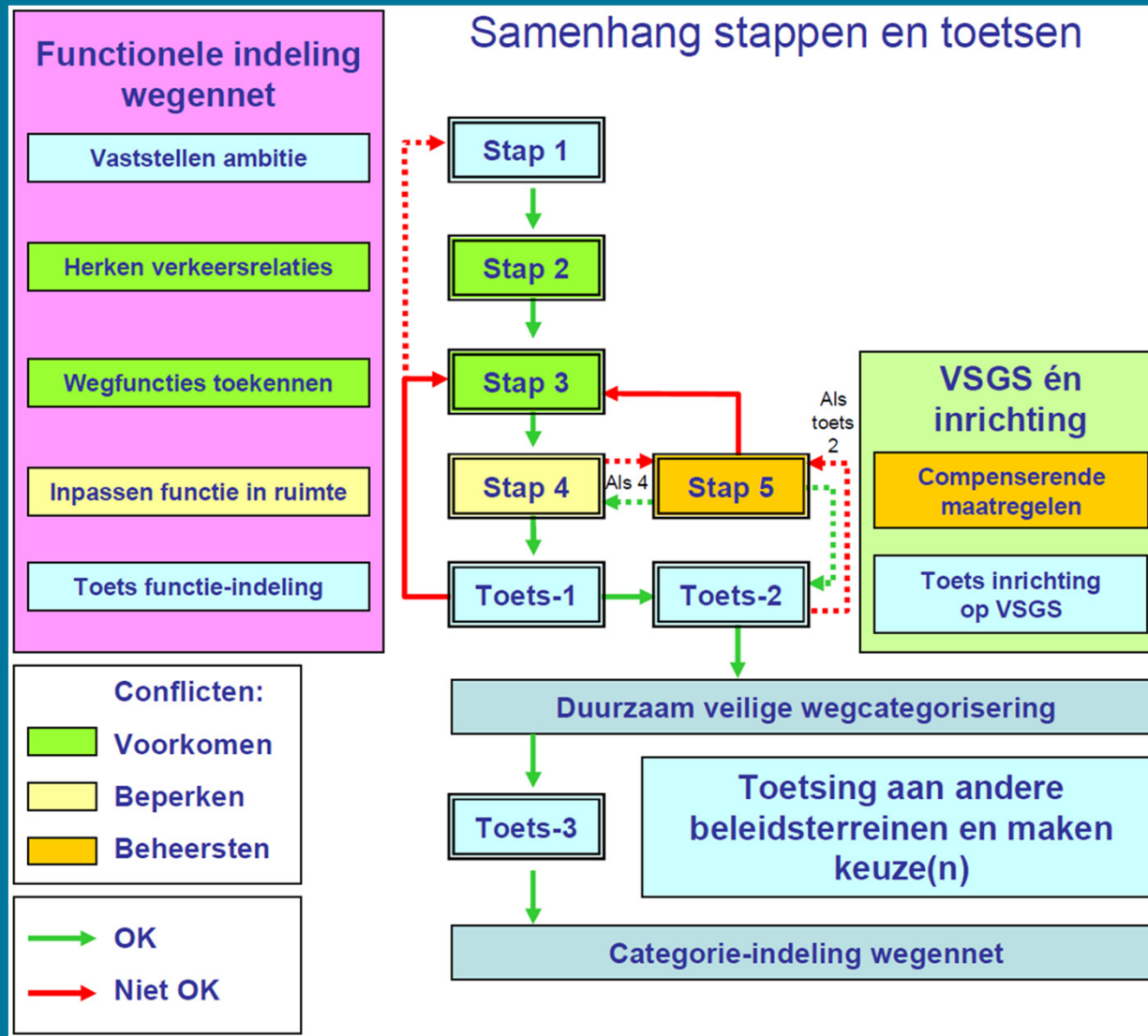
Wegcategorie	Wegvak	Kruispunt/knooppunt	Typering
Stroomweg			
Gebiedsontsluitingsweg			Verkeersader
Erftoegangsweg			Wegen in verblijfsgebied
Stromen			
Uitwisselen			



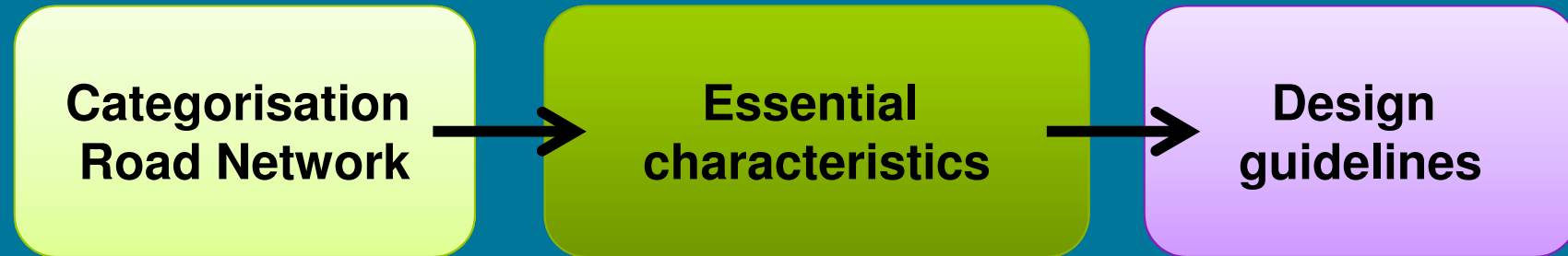
# Categorisation



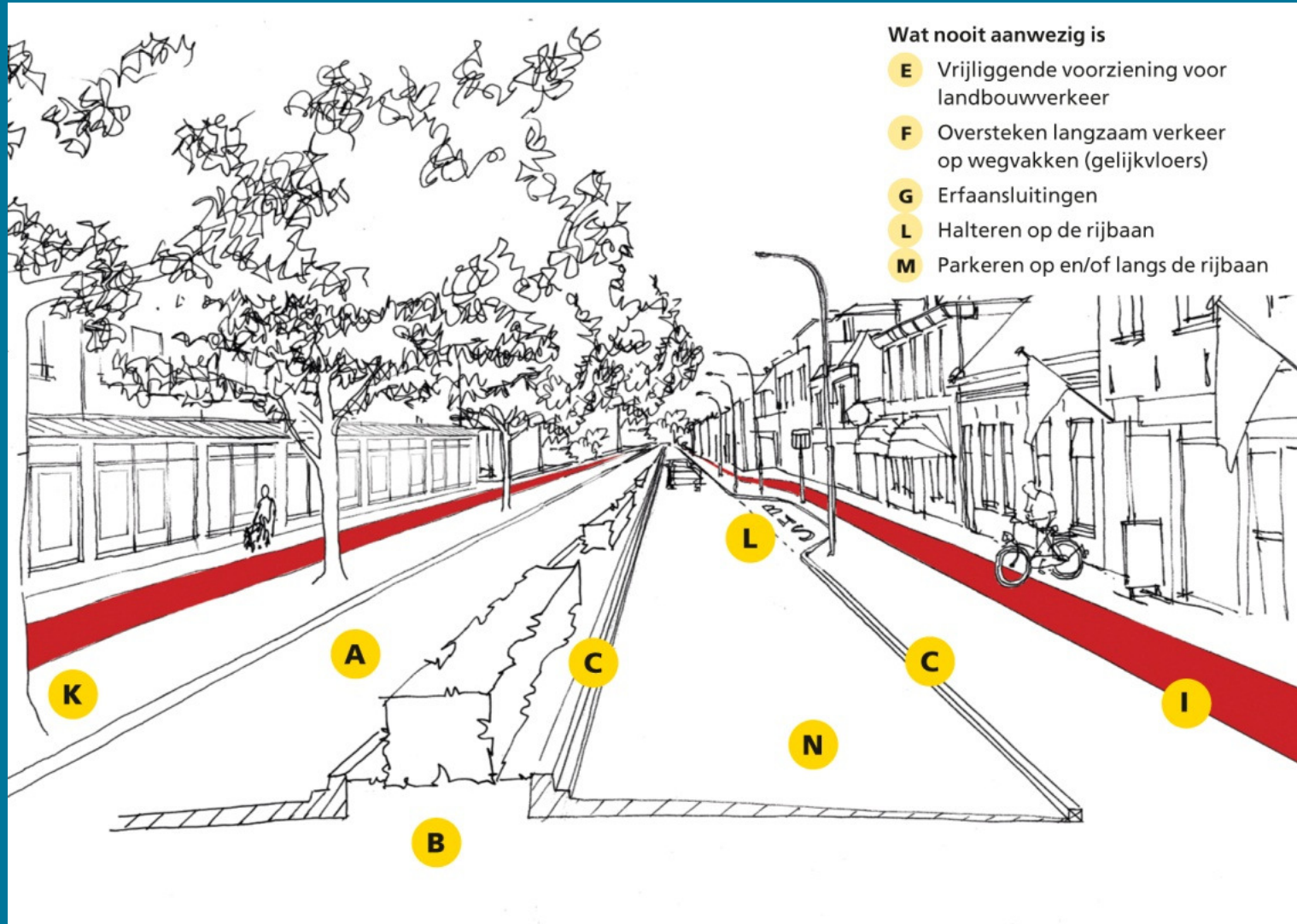
# Categorisation



# Essential characteristics



# Distributor road inside build-up areas Ideal



# Publications added to Rural Geometric guidelines

- Bicycle streets
- Category changes
- Motorised two wheelers
- Aid services
- Agricultural vehicles and speed limits

# Rural Geometric guidelines

Result:

Actual, up-to-date guidelines

