

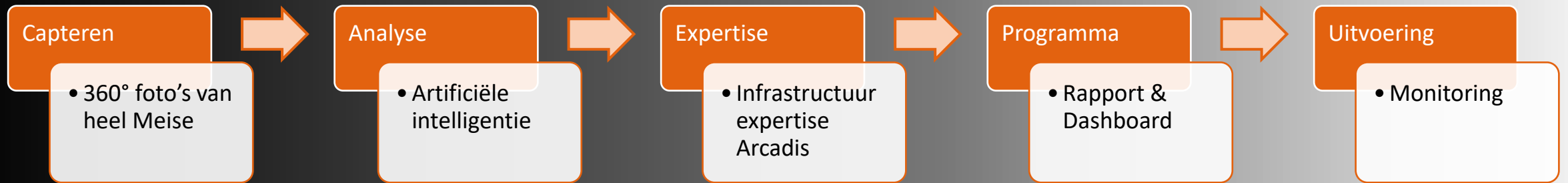
# Toepassing van AI op de gemeentewegen van Meise

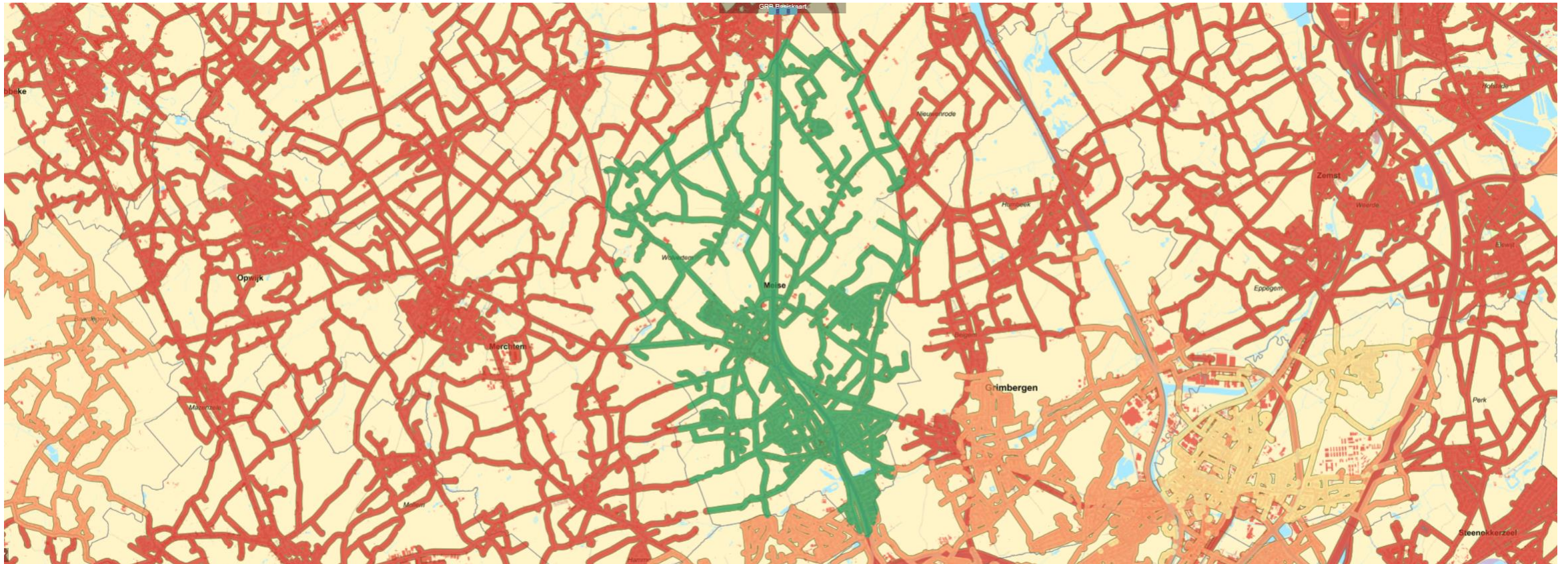
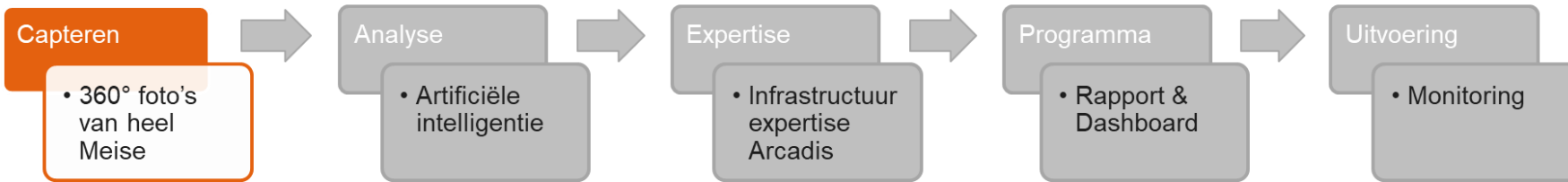
Dirk Vanderlinden

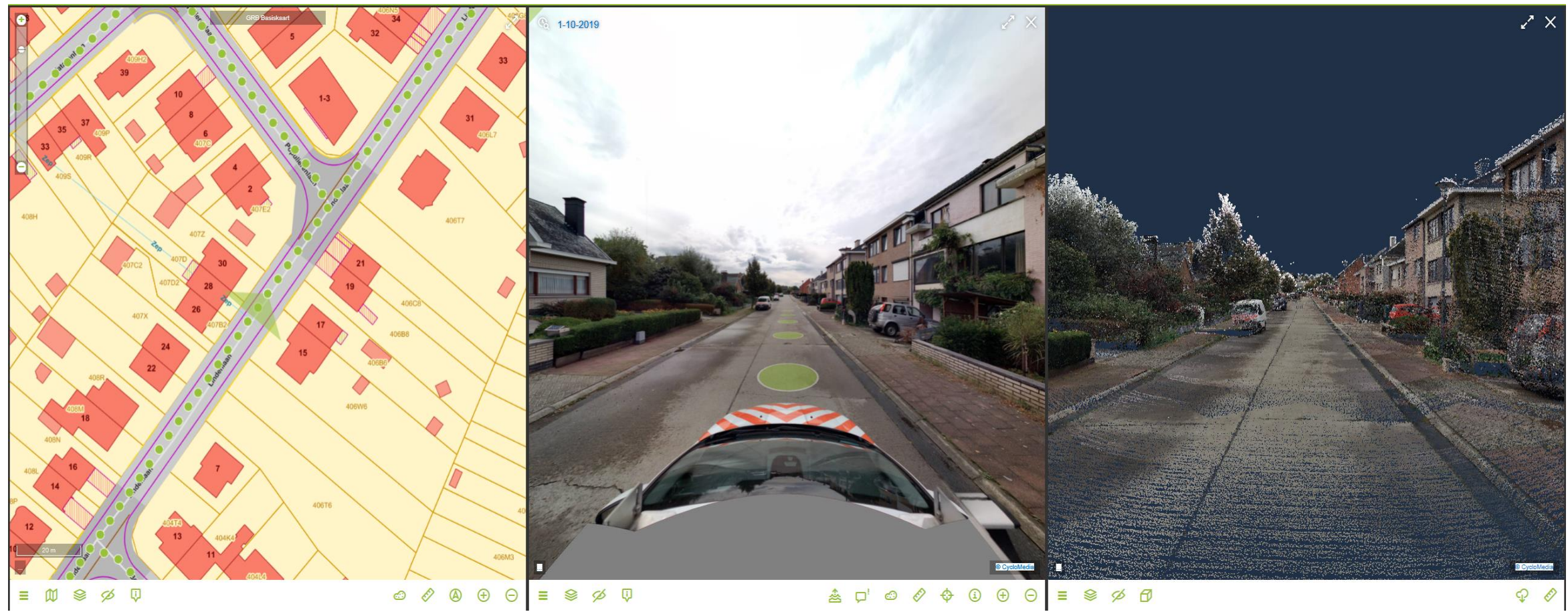
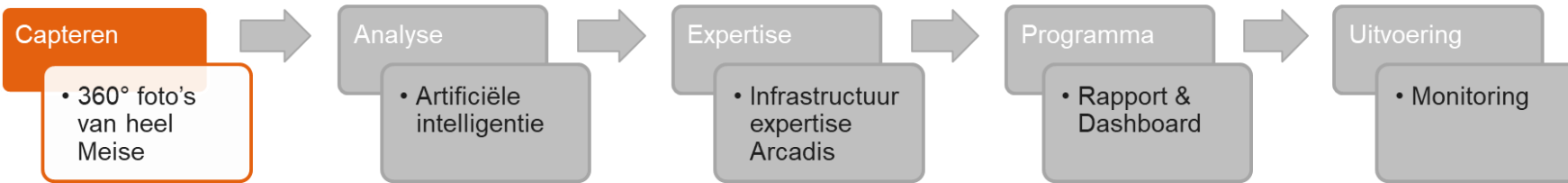


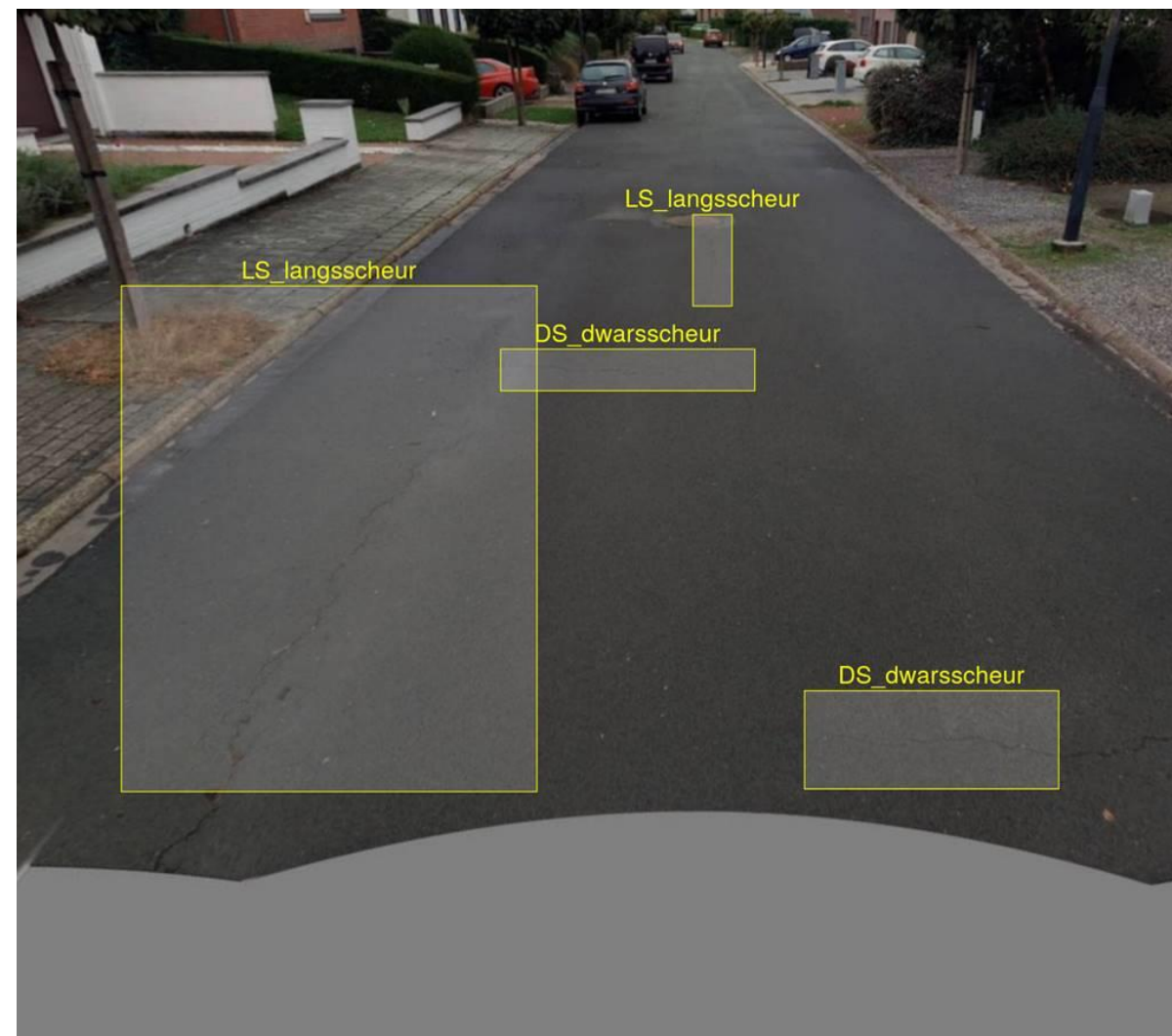
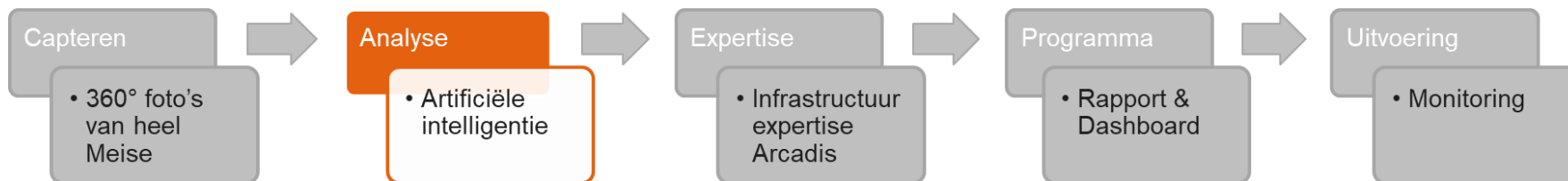
Donderdag 7/4/2022

# Concept



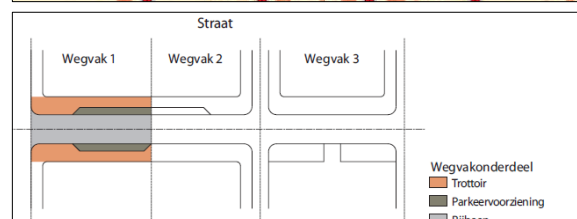






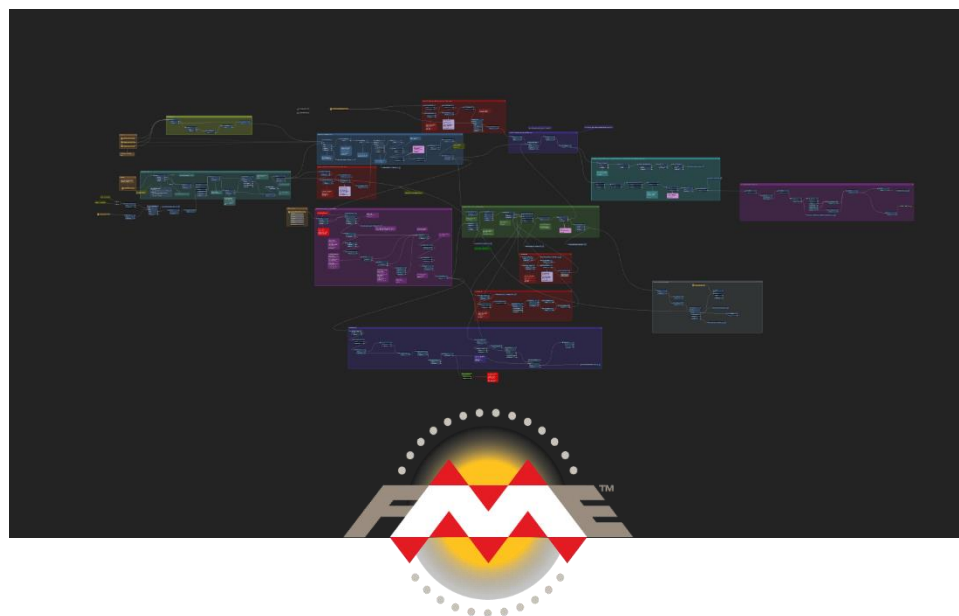


## PMS Systematiek

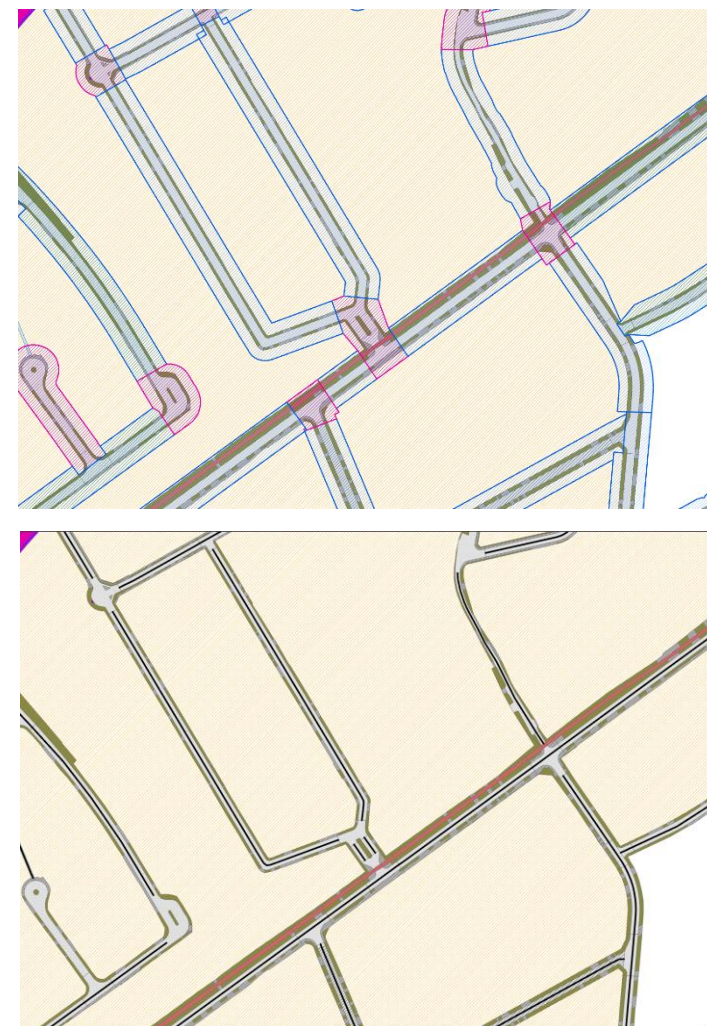


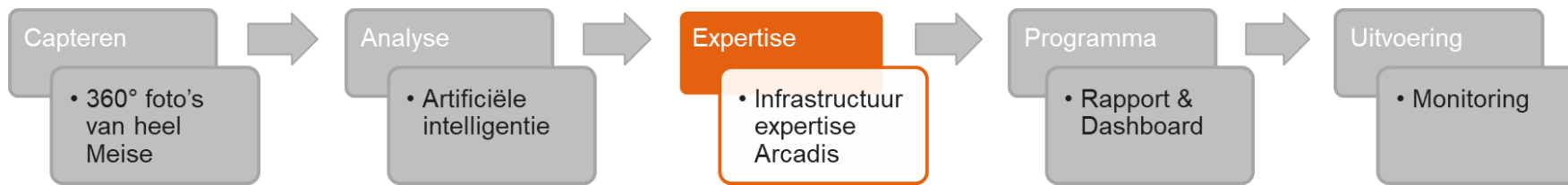
|                                                           | RICHTING | VEI-TYPE W<br>1 = VOETPAD<br>2 = FIETSPAD<br>3 = PARKEER<br>4 = RIJWEG | HOEVEELSTE VAN DIT TYPE<br>IN DEZE RICHTING | INDIEN IN TWEE HELFTEN TE<br>DELEN: NR. HELFT, ZONET<br>WAARDE NIJL | UNIEKE NAAM RIJWEGEMENT                               |
|-----------------------------------------------------------|----------|------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------|
| LINDENSTRAAT deel 1 - ZONE 41<br>WEGVAK 5<br>LENGTE : 40m | A ↓      | 1                                                                      | 1                                           | 0                                                                   | LINDENSTRAAT deel 1 - ZONE 41 - WEGVAK 5 - A1 - 1 - 0 |
|                                                           |          | 3                                                                      | 1                                           | 0                                                                   | LINDENSTRAAT deel 1 - ZONE 41 - WEGVAK 5 - A3 - 1 - 0 |
|                                                           |          | 4                                                                      | 1                                           | 1                                                                   | LINDENSTRAAT deel 1 - ZONE 41 - WEGVAK 5 - A4 - 1 - 1 |
|                                                           |          |                                                                        |                                             | 2                                                                   | LINDENSTRAAT deel 1 - ZONE 41 - WEGVAK 5 - A4 - 1 - 2 |
| RINGLAAN - ZONE 40<br>WEGVAK 2<br>LENGTE : 40m            | B ↓      | 4                                                                      | 1                                           | 1                                                                   | RINGLAAN - ZONE 40 - WEGVAK 2 - B4 - 1 - 1            |
|                                                           |          |                                                                        |                                             | 2                                                                   | RINGLAAN - ZONE 40 - WEGVAK 2 - B4 - 1 - 2            |
|                                                           |          | 4                                                                      | 2                                           | 2                                                                   | RINGLAAN - ZONE 40 - WEGVAK 2 - A4 - 2 - 2            |
|                                                           |          |                                                                        |                                             | 1                                                                   | RINGLAAN - ZONE 40 - WEGVAK 2 - A4 - 2 - 1            |
|                                                           | A ↑      | 4                                                                      | 1                                           | 2                                                                   | RINGLAAN - ZONE 40 - WEGVAK 2 - A4 - 1 - 2            |
|                                                           |          |                                                                        |                                             | 1                                                                   | RINGLAAN - ZONE 40 - WEGVAK 2 - A4 - 1 - 1            |
|                                                           |          | 2                                                                      | 1                                           | 0                                                                   | RINGLAAN - ZONE 40 - WEGVAK 2 - A2 - 1 - 0            |
|                                                           |          | 1                                                                      | 1                                           | 0                                                                   | RINGLAAN - ZONE 40 - WEGVAK 2 - A1 - 1 - 0            |





Automatisch genereren van wegvakken en rijbaanverdelingen via FME





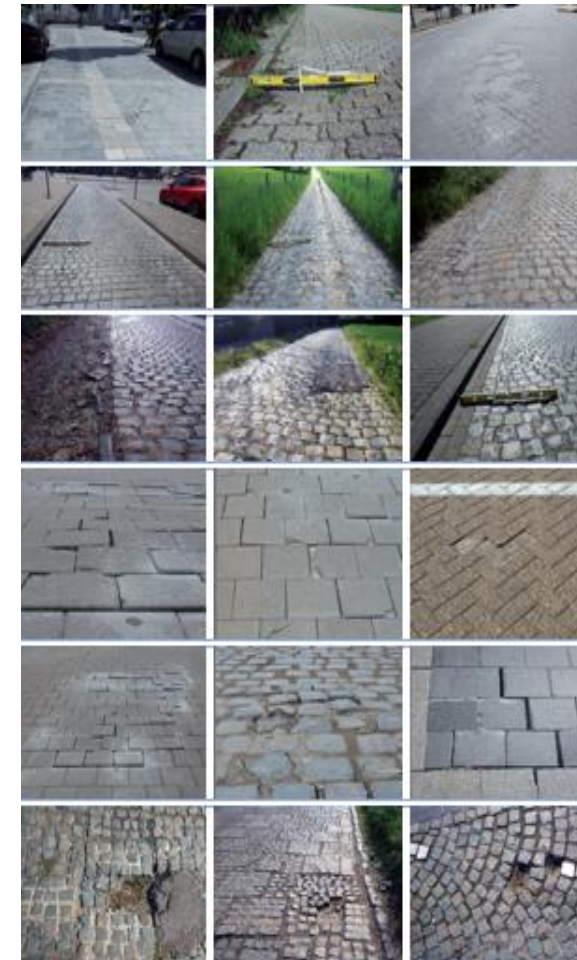
Schadetypes Asfalt

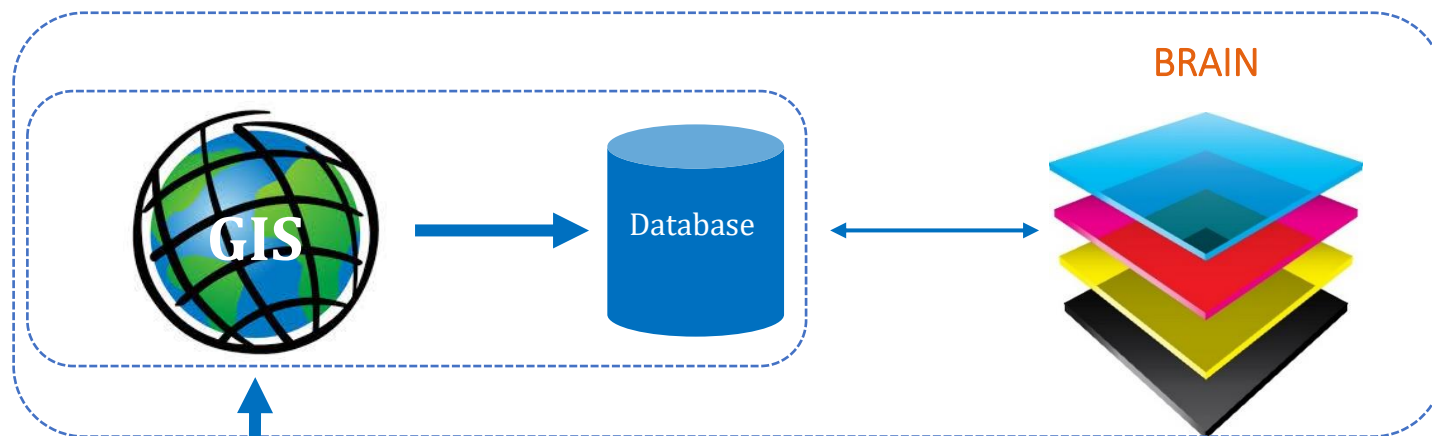
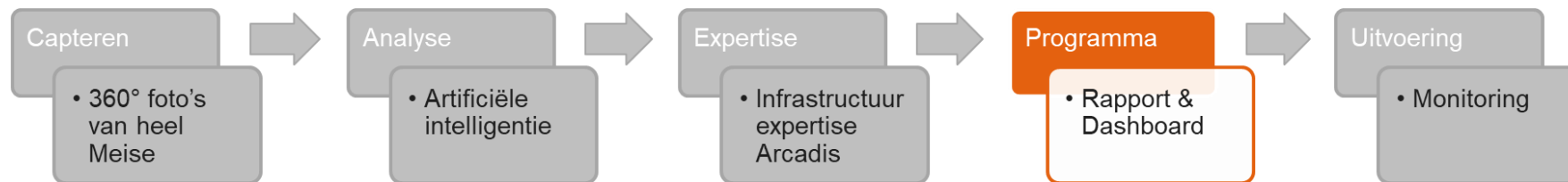


Schadetypes Beton

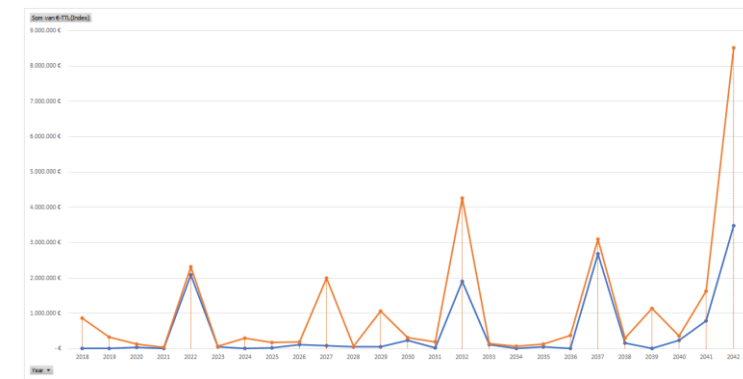
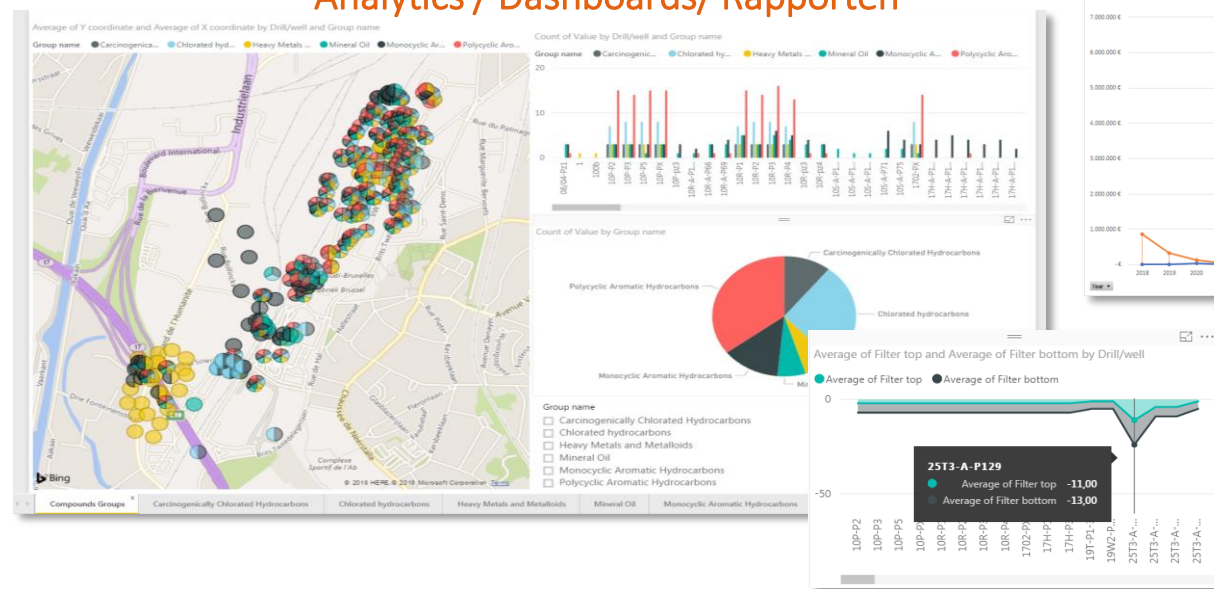


Schadetypes Elementverharding

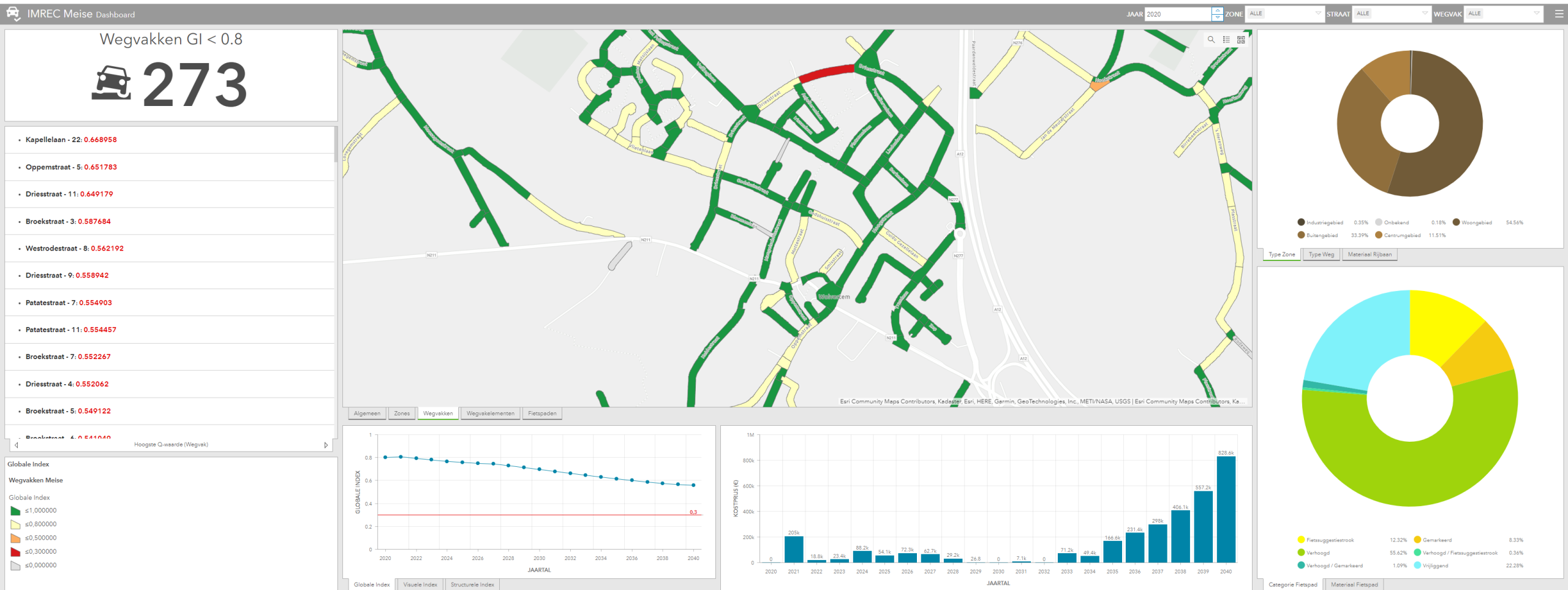
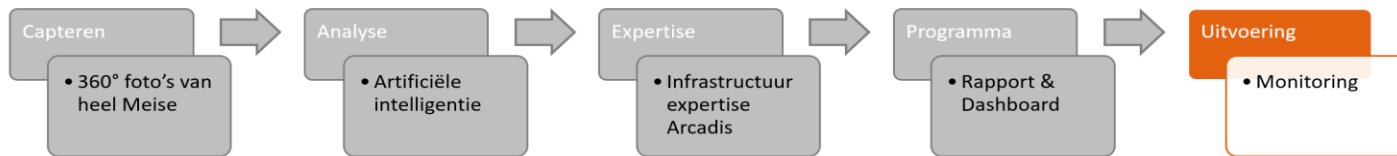


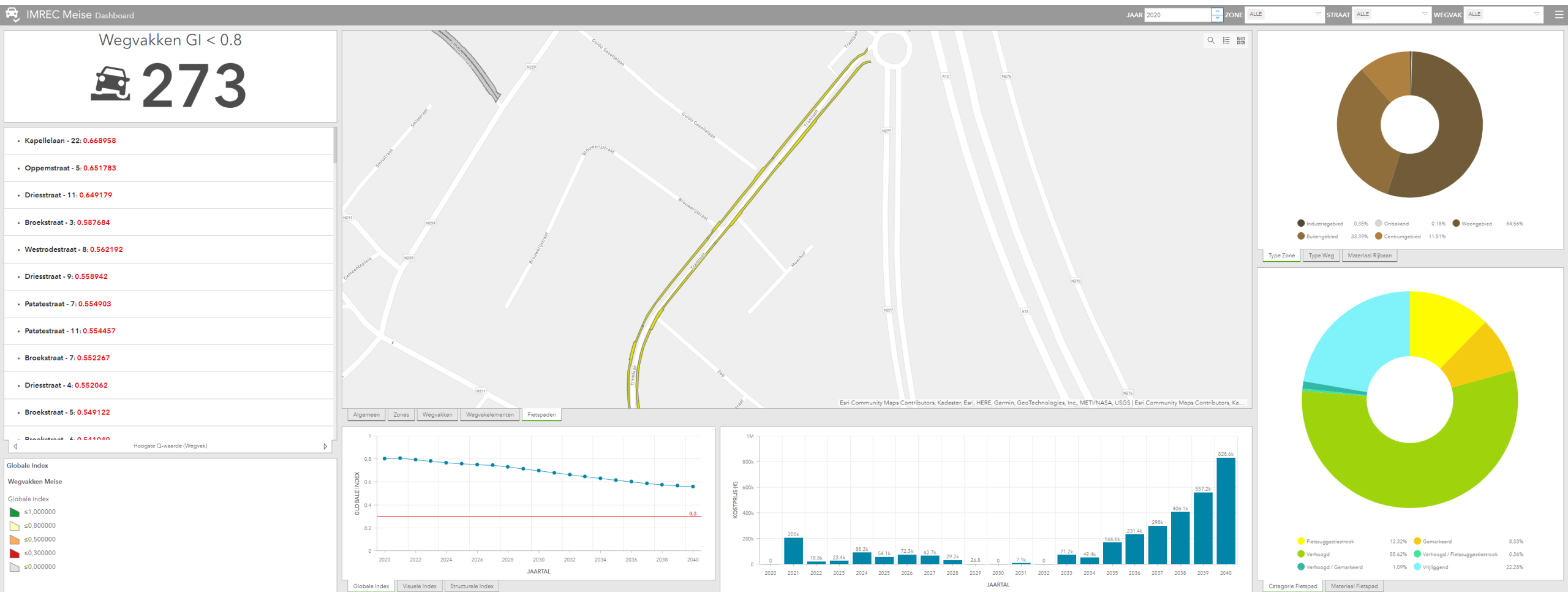
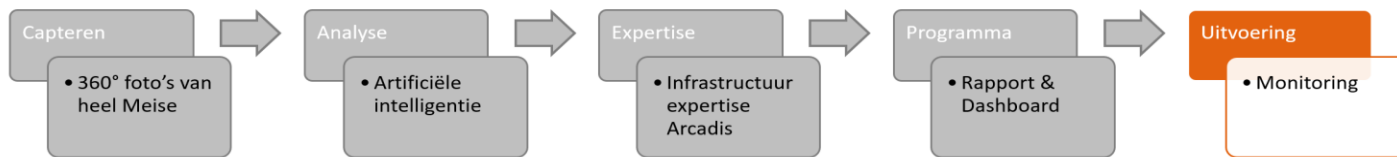


## Analytics / Dashboards/ Rapporten









## **Smart Mobile Road Assessment – bijkomende mogelijkheden**

### **Basis uitgangspunt**

- Inventarisering en conditiemeting van wegdek
- Life cycle investeringsplanning

### **Bijkomende mogelijkheden**

- Inventarisering en conditiemeting van wegmarkering
- Inventarisering en conditiemeting van verkeersborden
- Inventarisering en conditiemeting van voet- en fietspaden
- Inventarisering en belastingheffing op reclameborden
- Inventarisering en conditiemeting van verlichtingspalen
- Inventarisering en conditiemeting van inspectieputten en straatkolken
- Inventarisering en conditiemeting van groen (bomen...)
- Inventarisering en conditiemeting van hydranten...
- Inventarisering en conditiemeting van buitenmeubilair (garageboxen, bushokjes...)
  
- 3D Visualisatie van AS-IS & TO-BE situaties
- Visuele controles van op afstand in verband met klachtenafhandeling
- ...

# Arcadis

Improving quality of life

