

Bigdata-analyse AC persleidingen

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11 November 2021

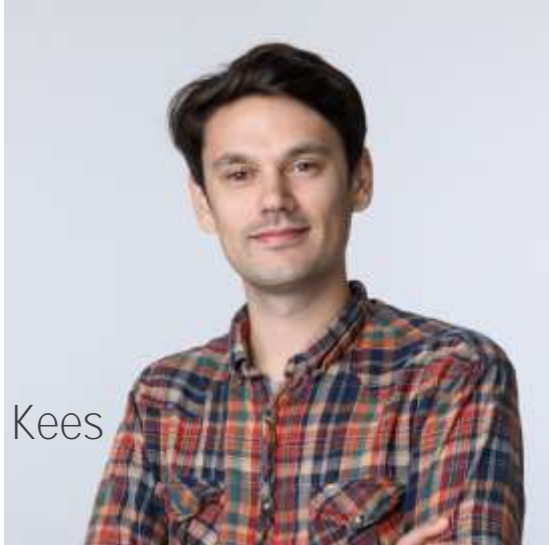
We doen het niet alleen



John



Harm



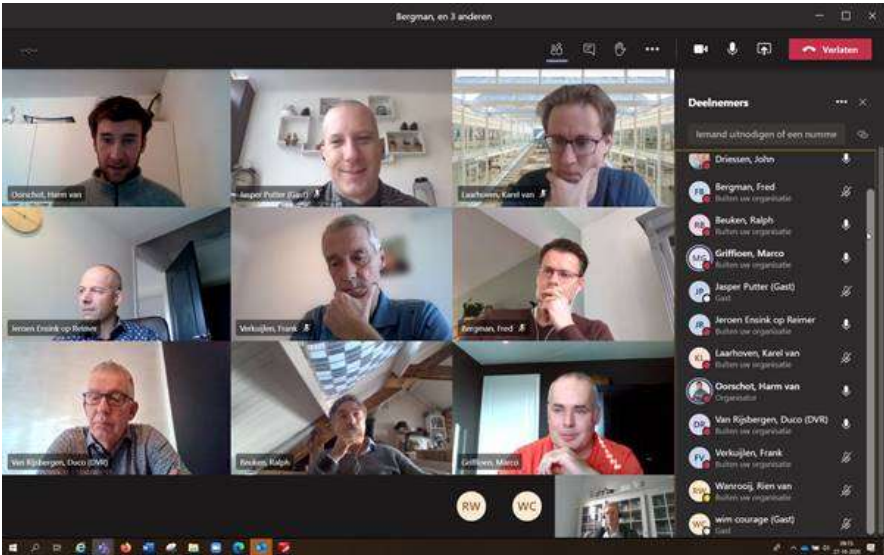
Kees



Melati



Roel

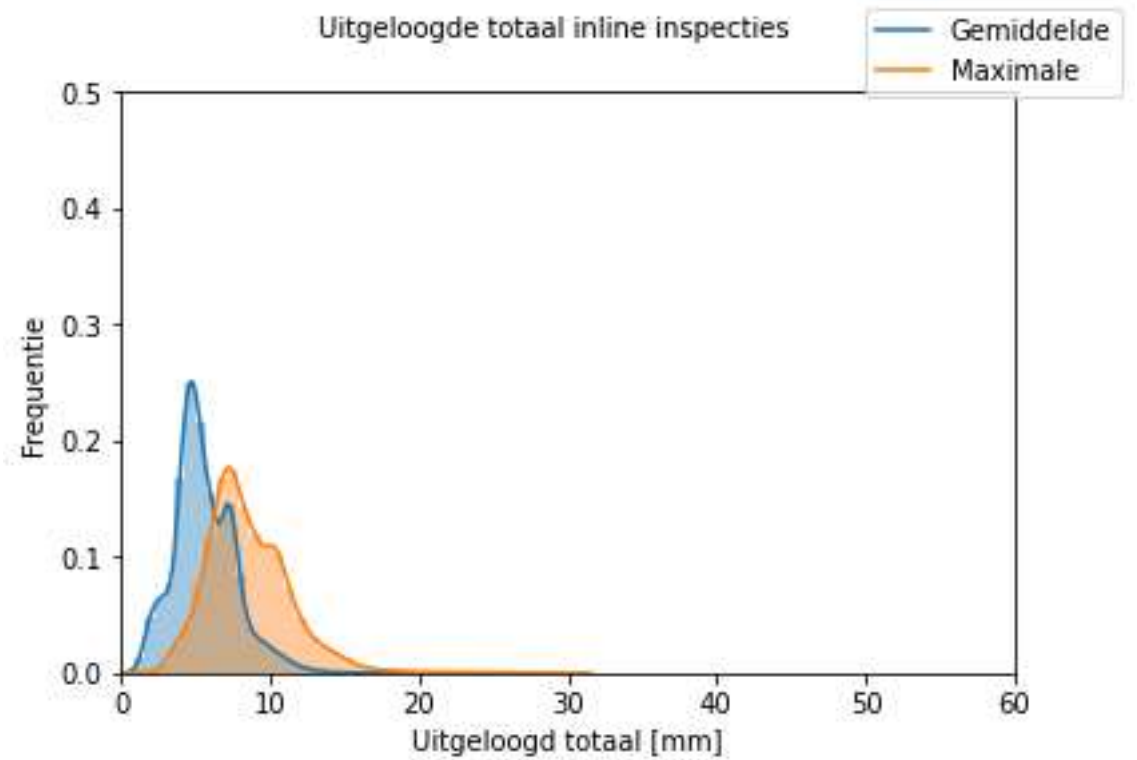
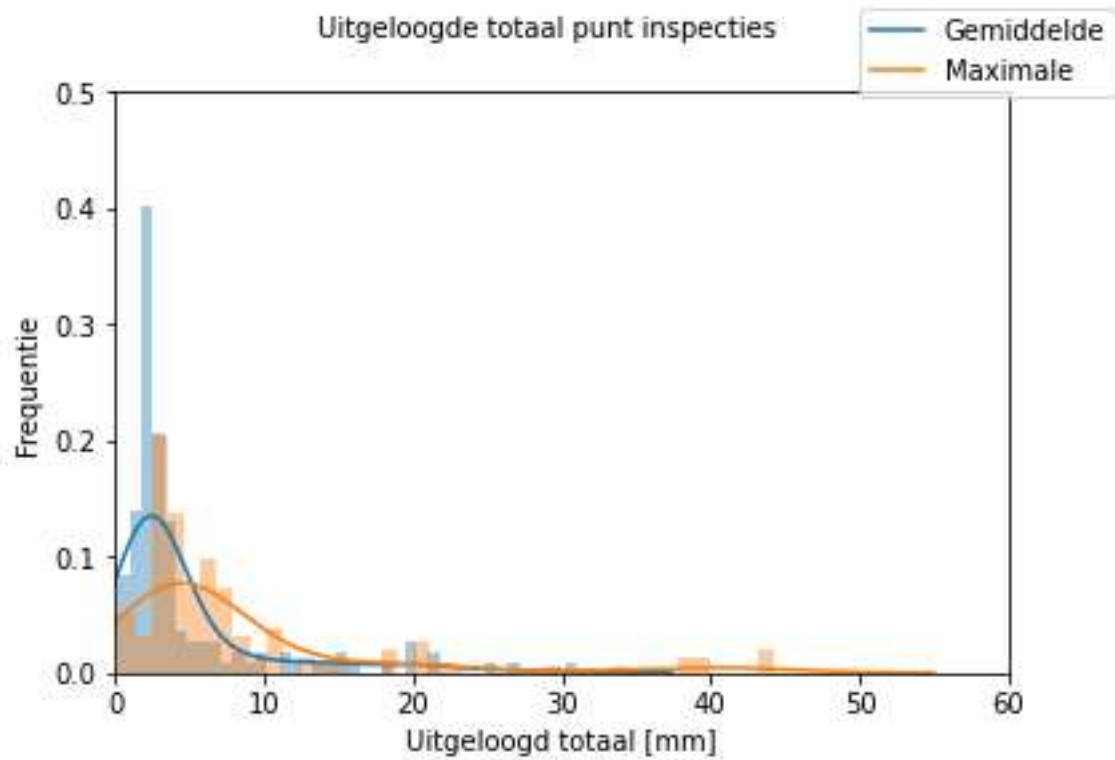




129.510



Hogere uitloging bij inline inspecties



Verschillen bij 2 meetmethodieken

Punt-inspecties

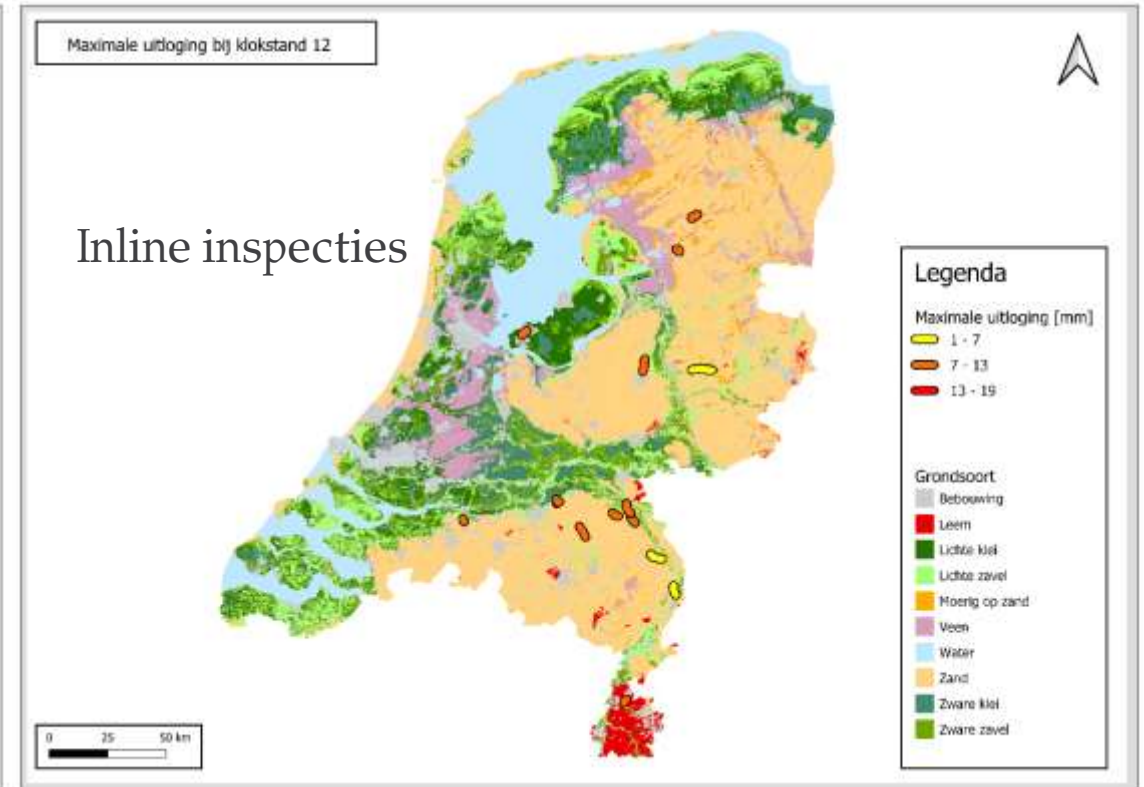
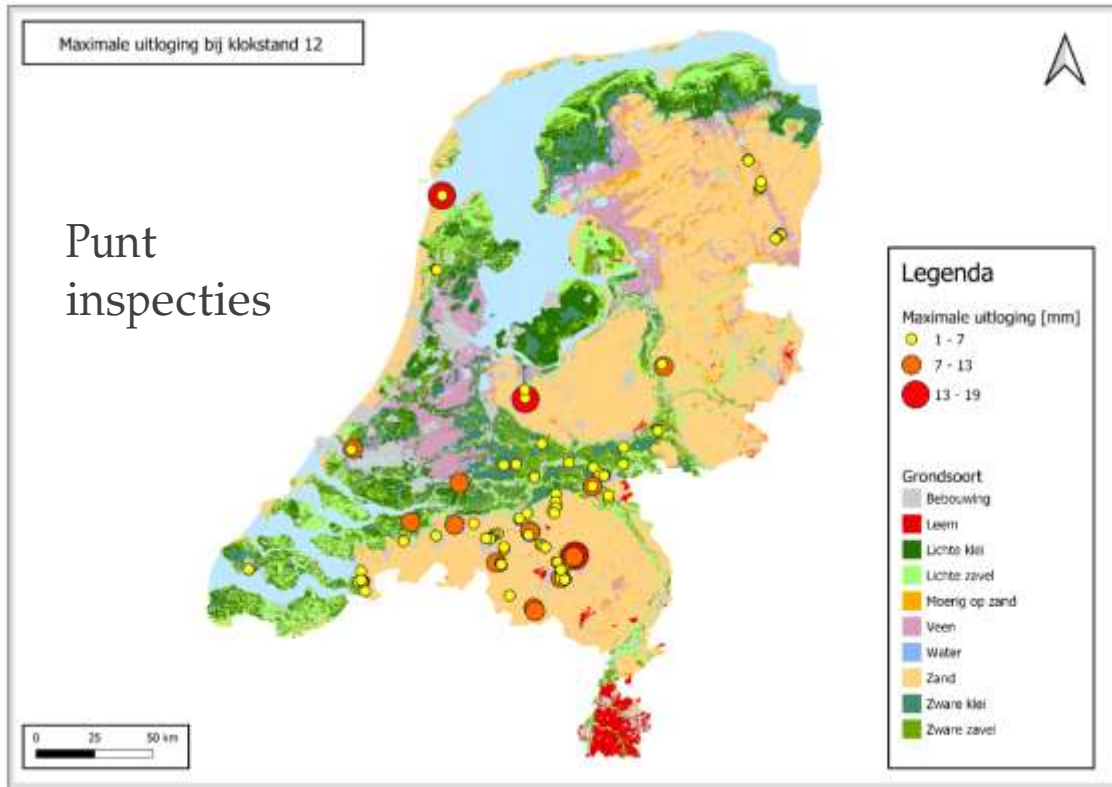
Locatie	Orginele wanddikte [mm]	Minimale resterende wanddikte [mm]
P1	30	19.2
P2	26	8.58
P3	28	20.16
P4	33.5	30.41
P5	26	22.85
P6	30.5	24.71
P7	31.5	24.202
P8	37.5	34.11
P9	37	32.97
P10	38.5	33.23
P11	43.5	36.43

Inline inspecties

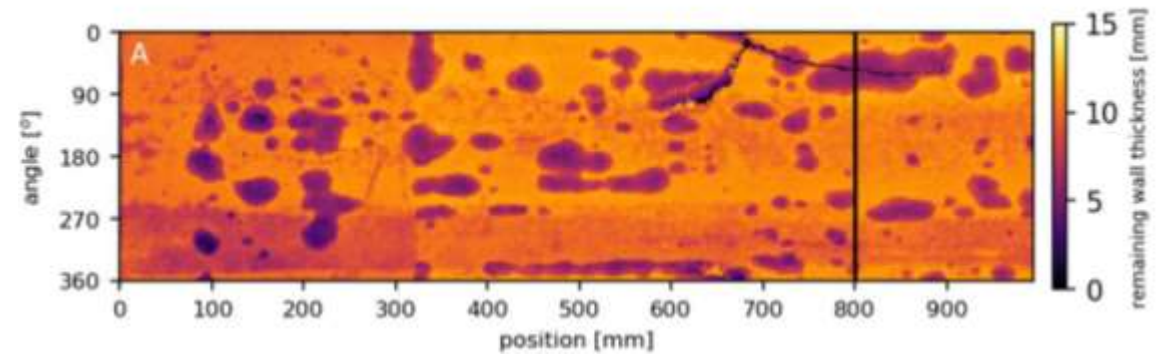
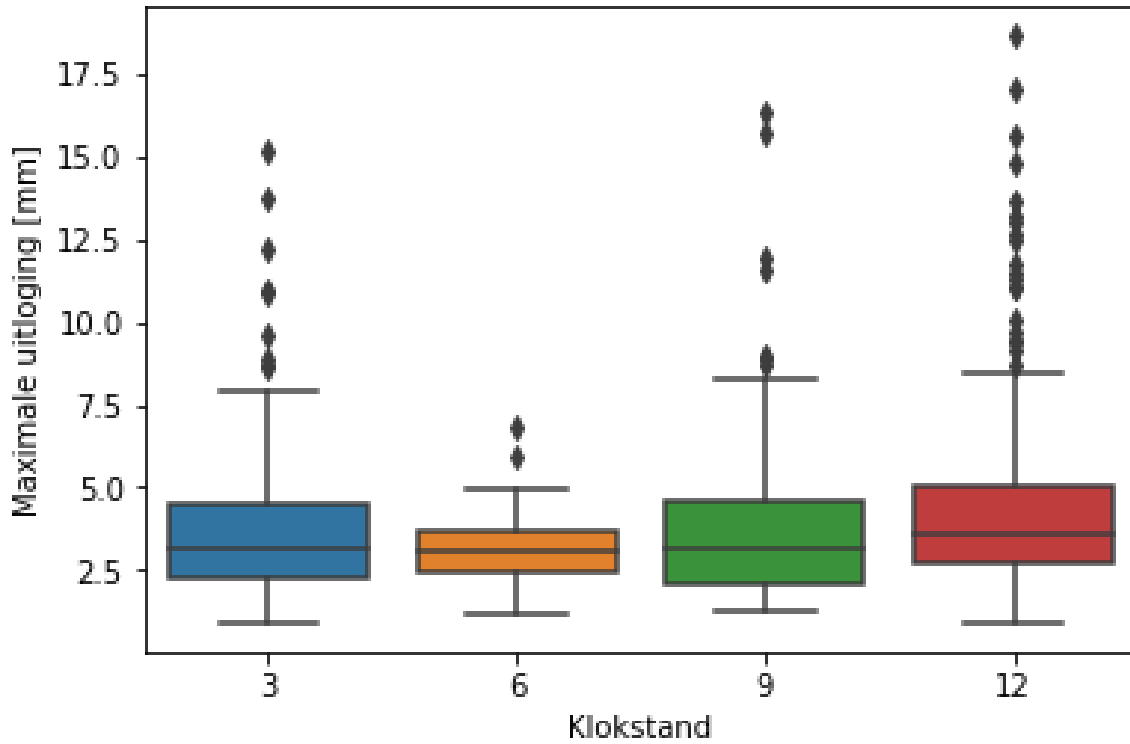
Locatie	Orginele wanddikte [mm]	Minimale resterende wanddikte [mm]
P1	30	19.2587
P2	27	17.0746
P3	29	19.354
P4	30	18.88
P5	30	23.83
P6	30	22.46
P7	31	23.58
P8	37	31.15
P9	36	24.27
P10	36	24.6
P11	39	23.7

rood=hoger dan de andere meetmethodiek, groen=lager dan de andere meetmethodiek

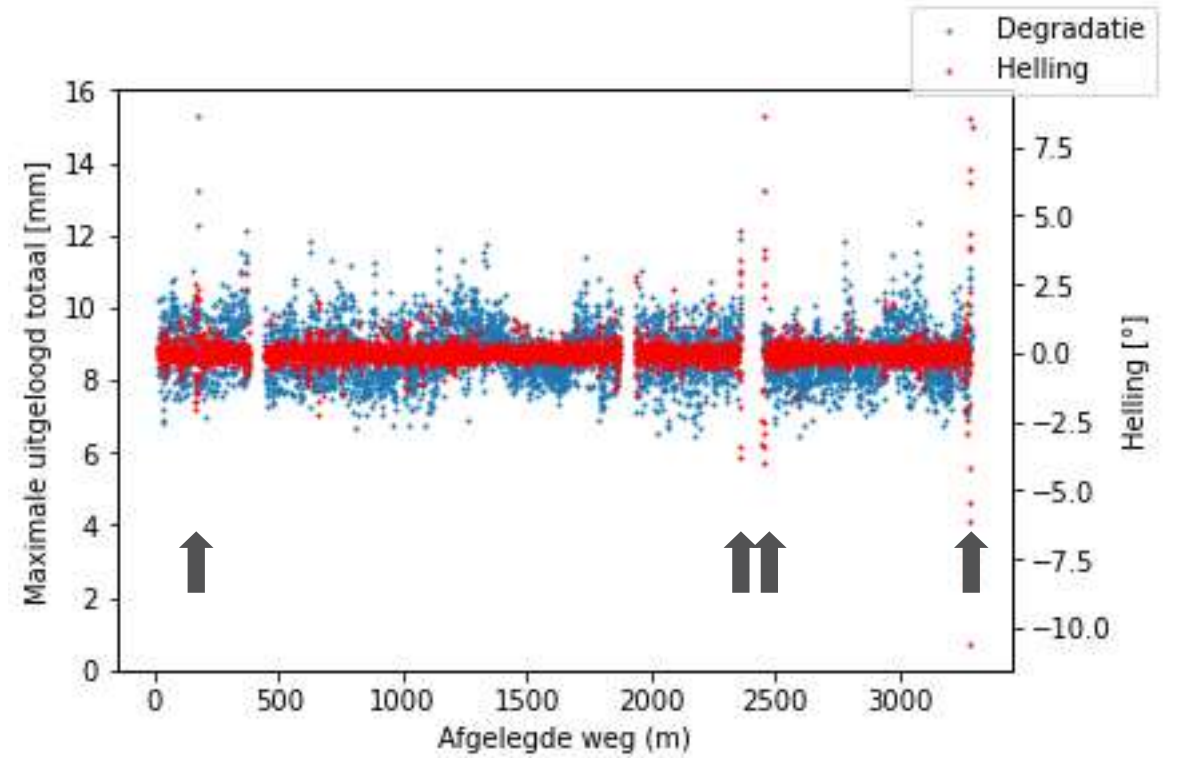
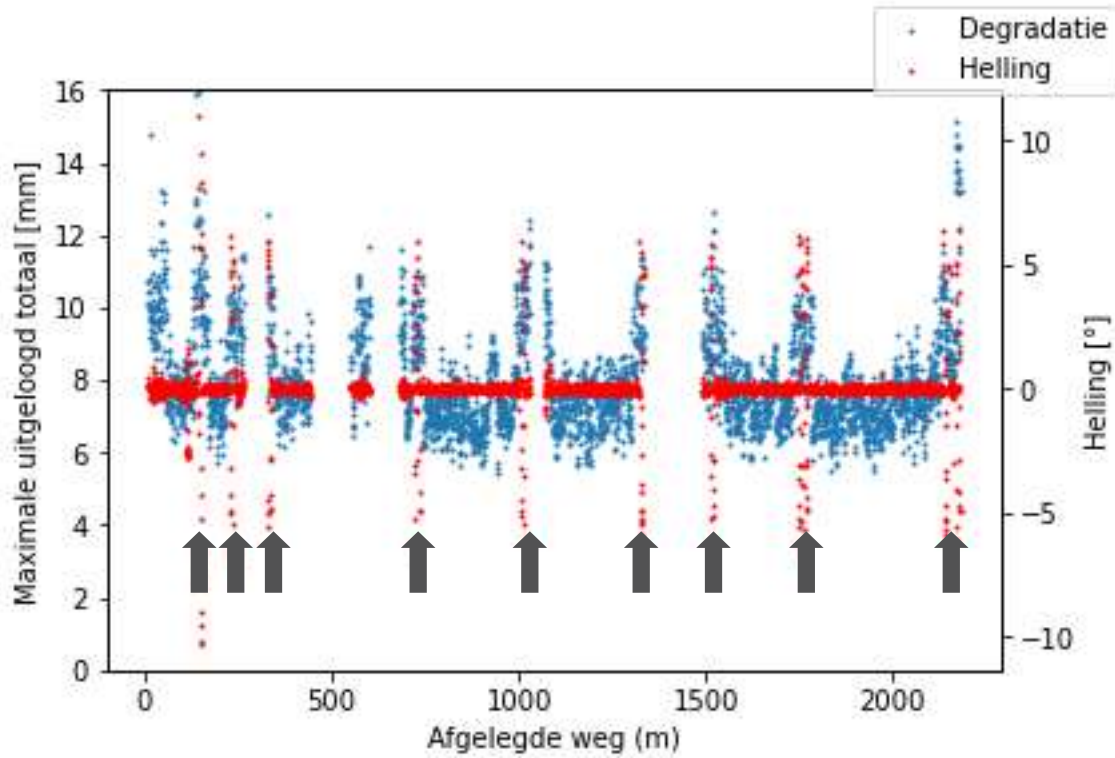
Geografische Correlatie



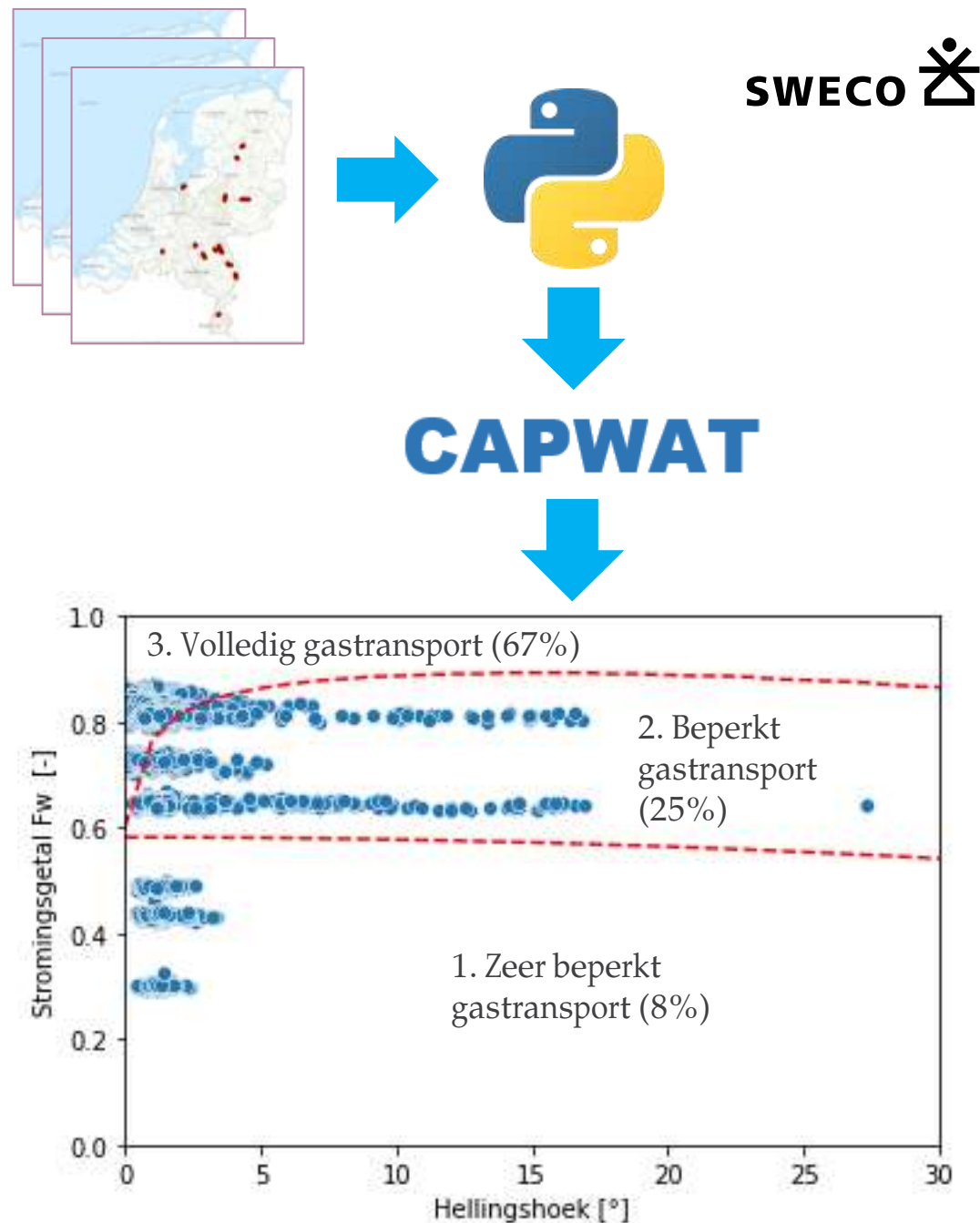
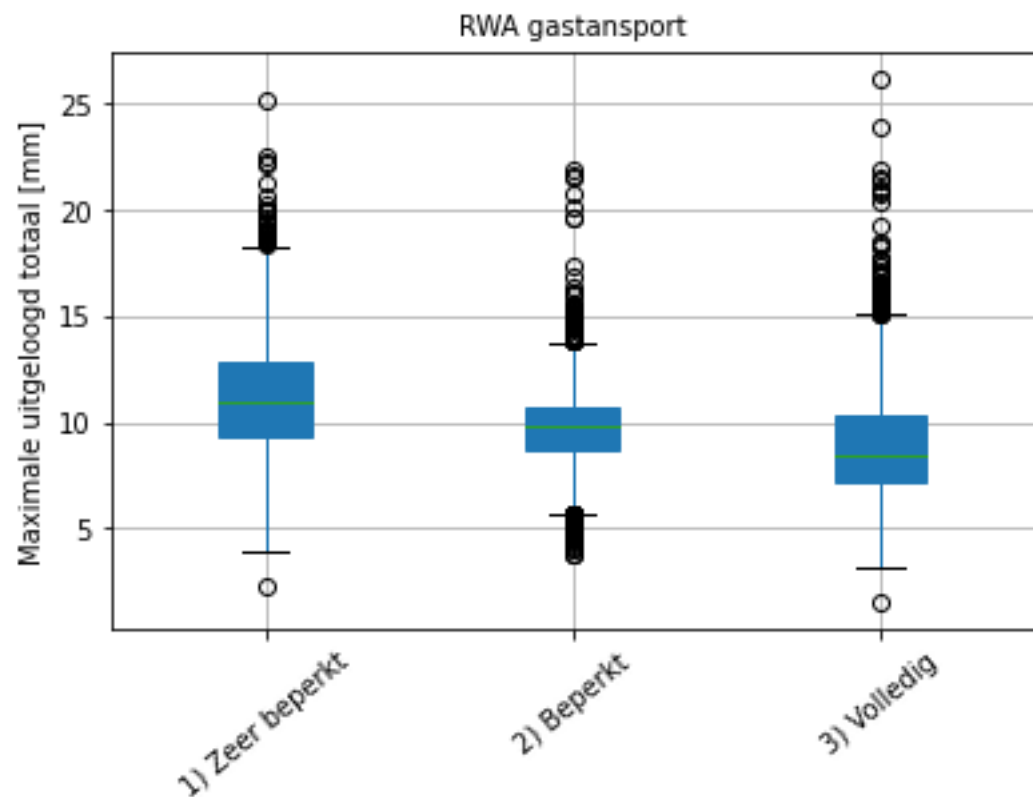
Gelijkmatige degradatie



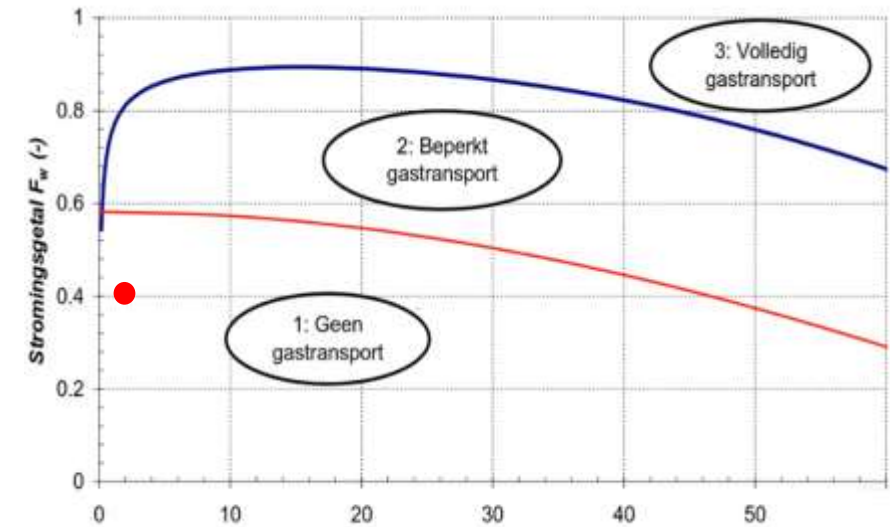
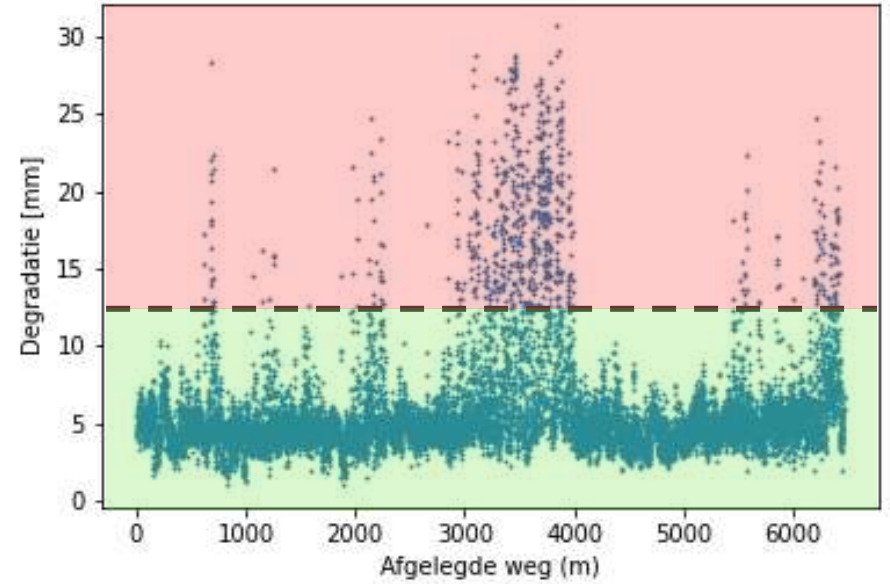
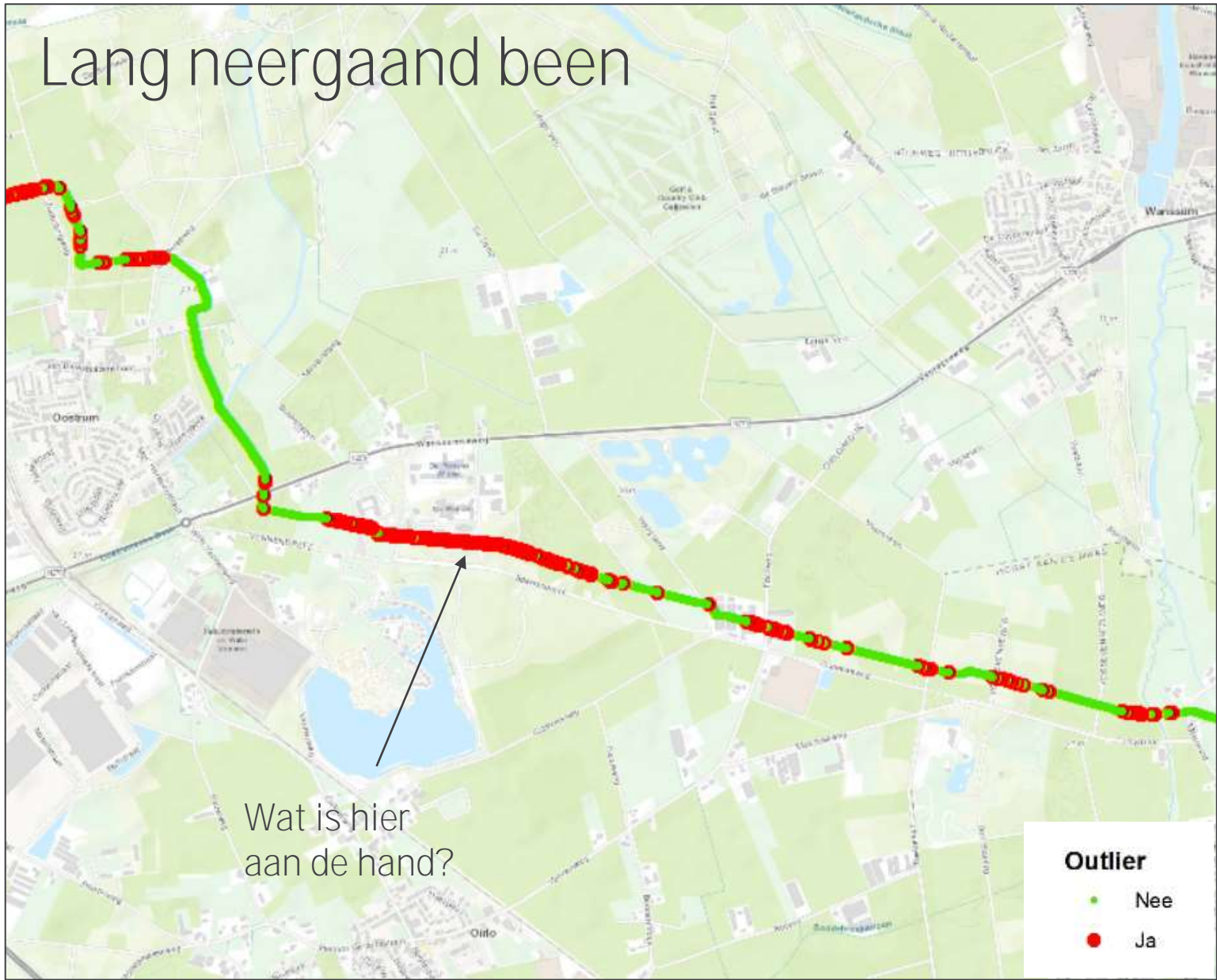
Degradatie bij kruisingen



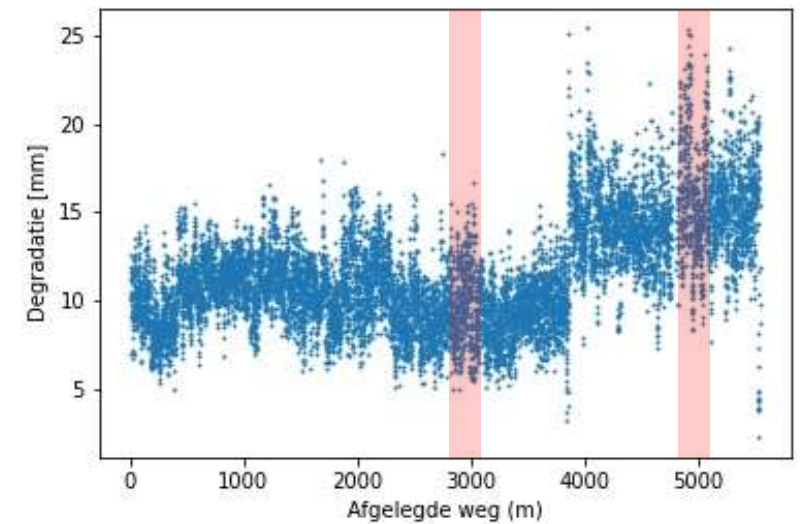
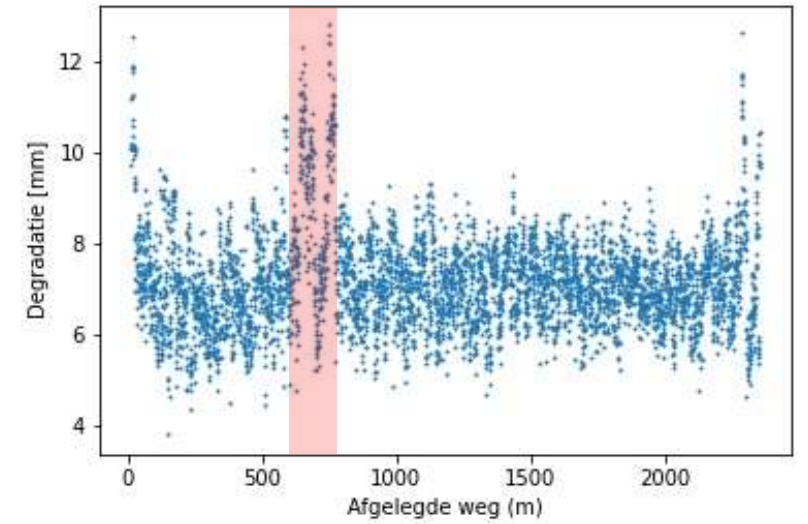
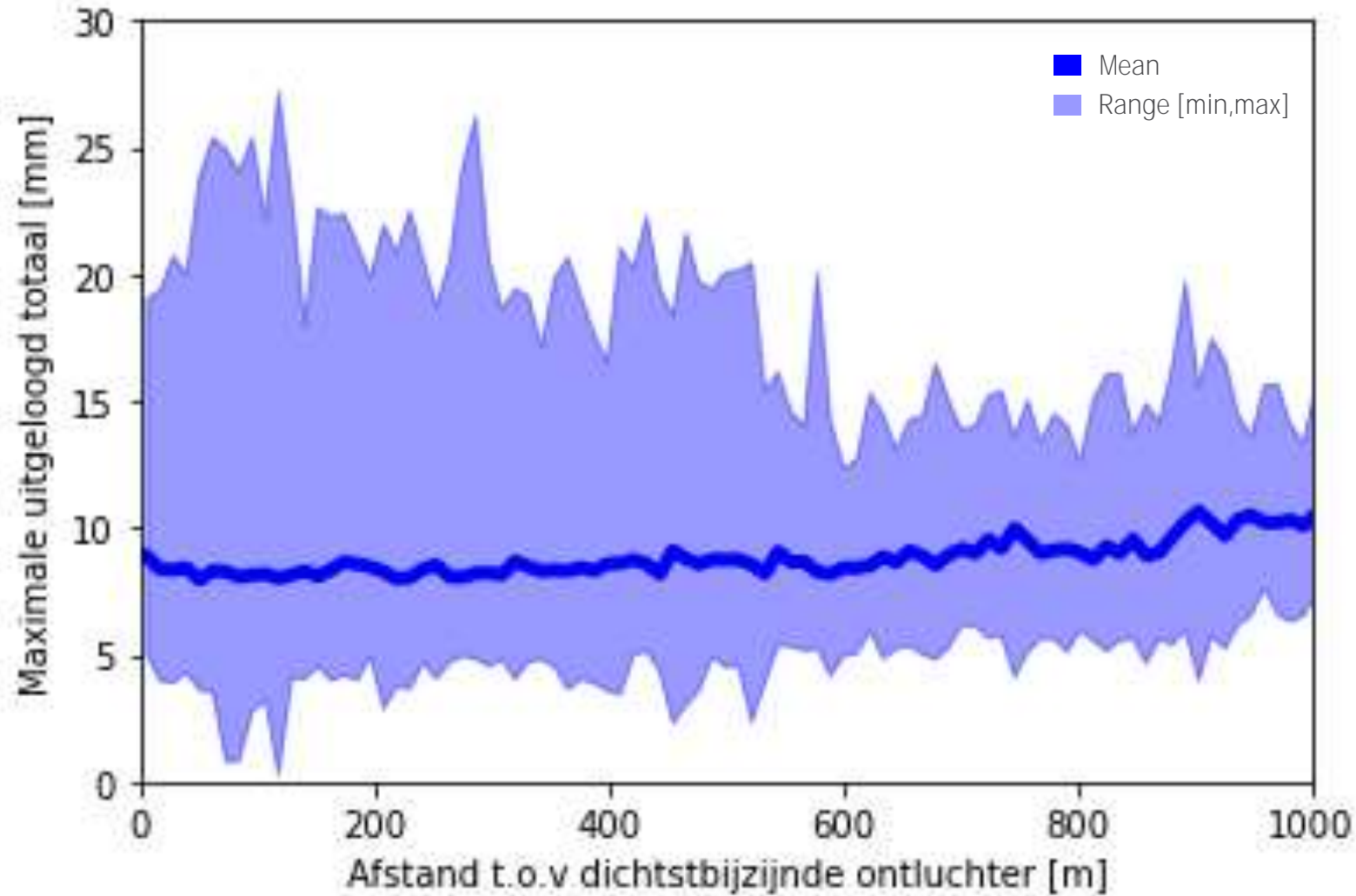
RWA en stromingsgetal



Lang neergaand been

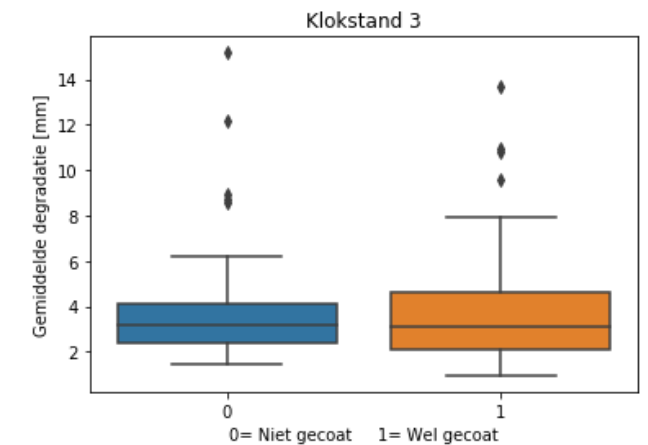
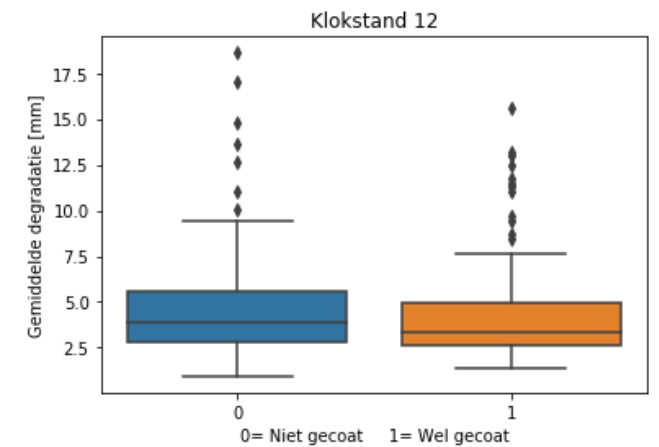
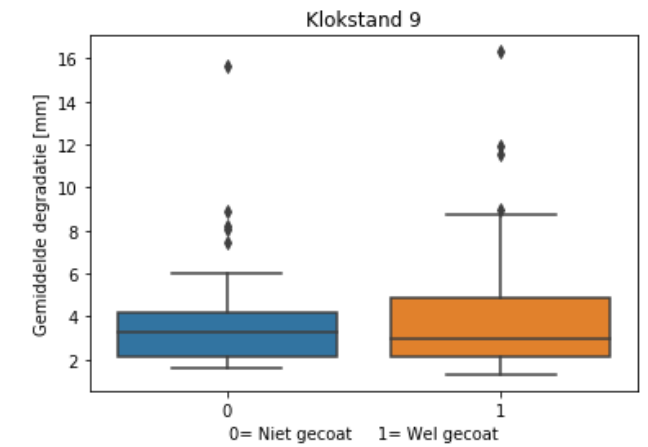
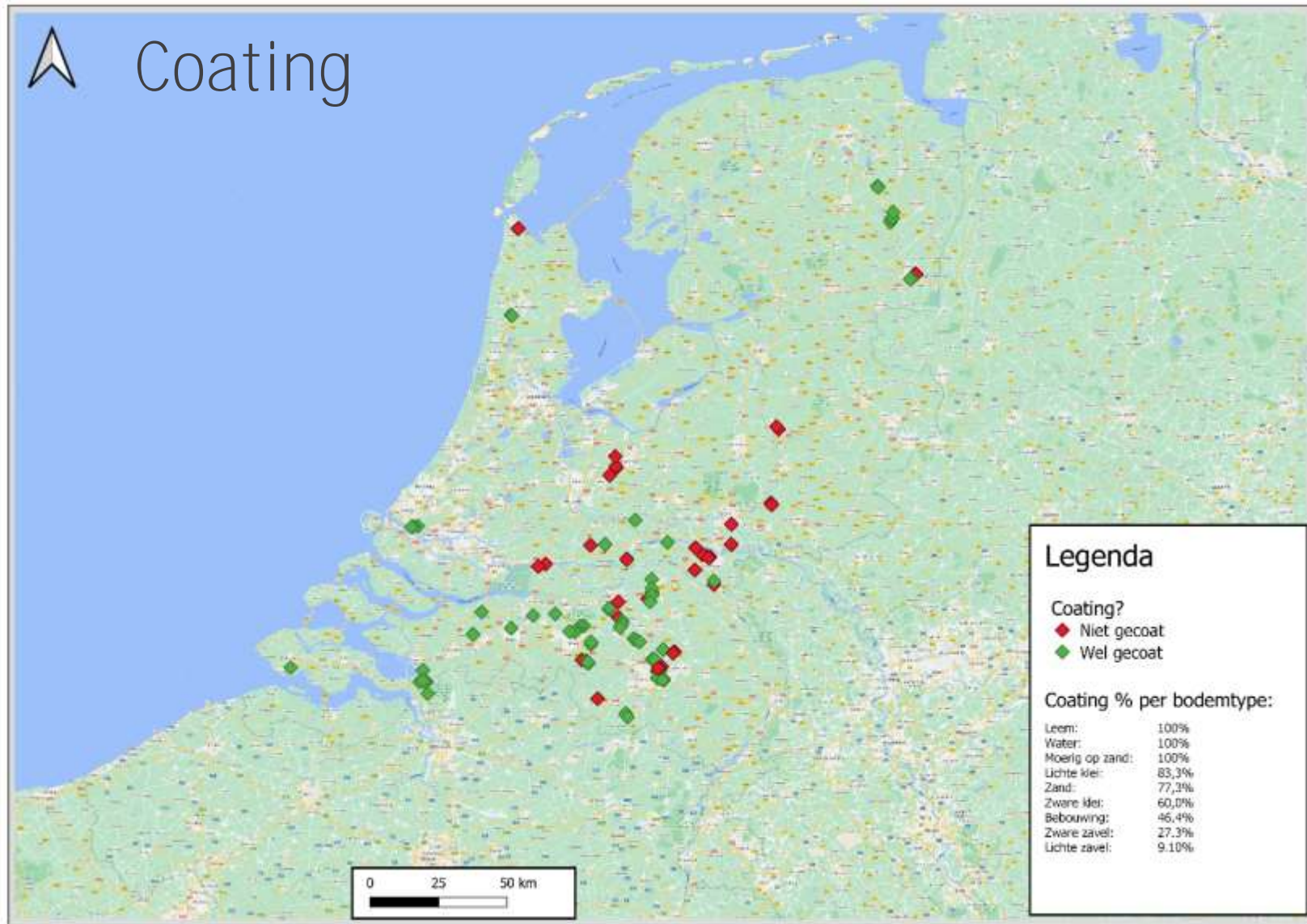


Ontluchters





Coating



Conclusies

1. Grote verscheidenheid in data-formats
2. Hogere uitloging bij inline inspecties
3. Verschillen in meetmethodieken
4. Geografische correlatie
5. Gelijkmatische degradatie bij alle klokstanden
6. Degradatie bij kruisingen
7. Correlatie tussen gastransport en degradatie
8. Twijfel over werking ontluchters
9. Coating beperkt effect op de mate van degradatie



uniformiteit!

7 meettechnieken met elkaar vergelijken en leren