



DCMR Milieudienst Rijnmond

Environmental noise in Rijnmond

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Content of presentation



- Noise – state of the environment Rijnmond (MSR)
- Noise – END implementation province
- Noise – END implementation Rotterdam



Hoe luidt het land?



→ <http://www.hoeluidthetland.nl//>

State of the environment Rijnmond (MSR)

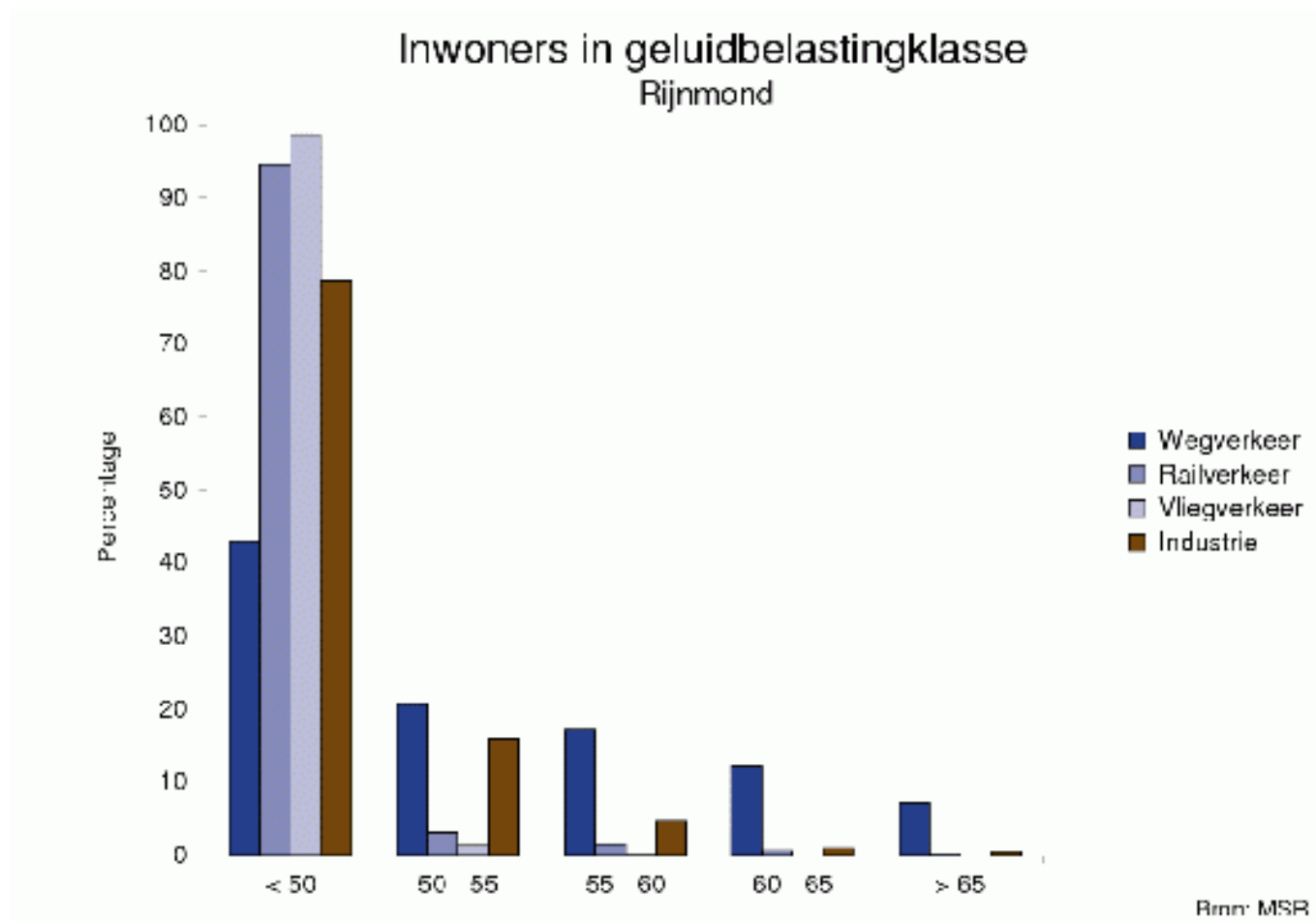


→ <http://www.hetmilieuinderegirotterdam.nl/>

→ <http://www.dcmr.nl/binaries/content/assets/bestanden/nieuws/2013/het-milieu-in-de-regio-rotterdam-2013-msr.pdf>

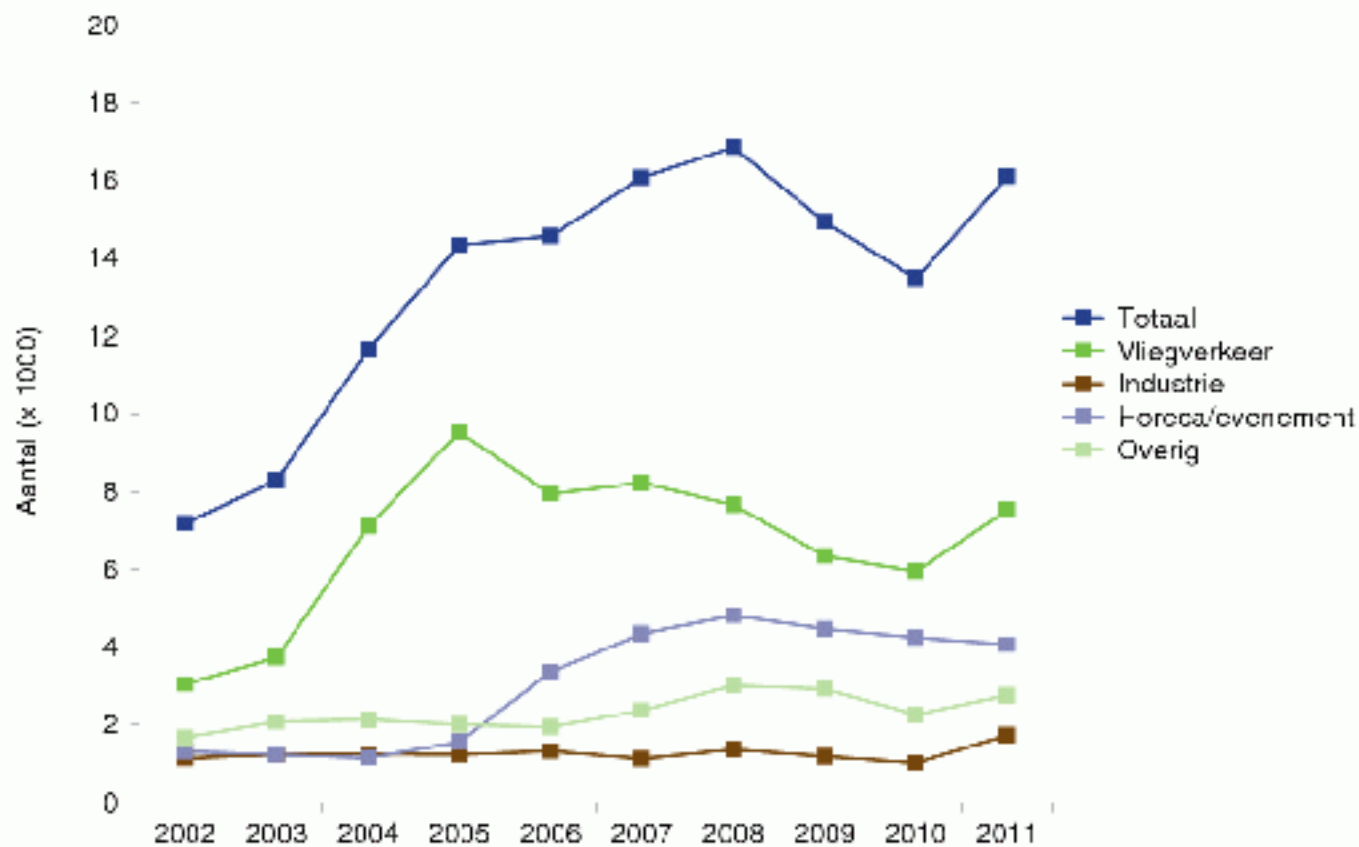


Noise – state of environment (1)



Noise – state of environment (2)

Meldingen over geluid

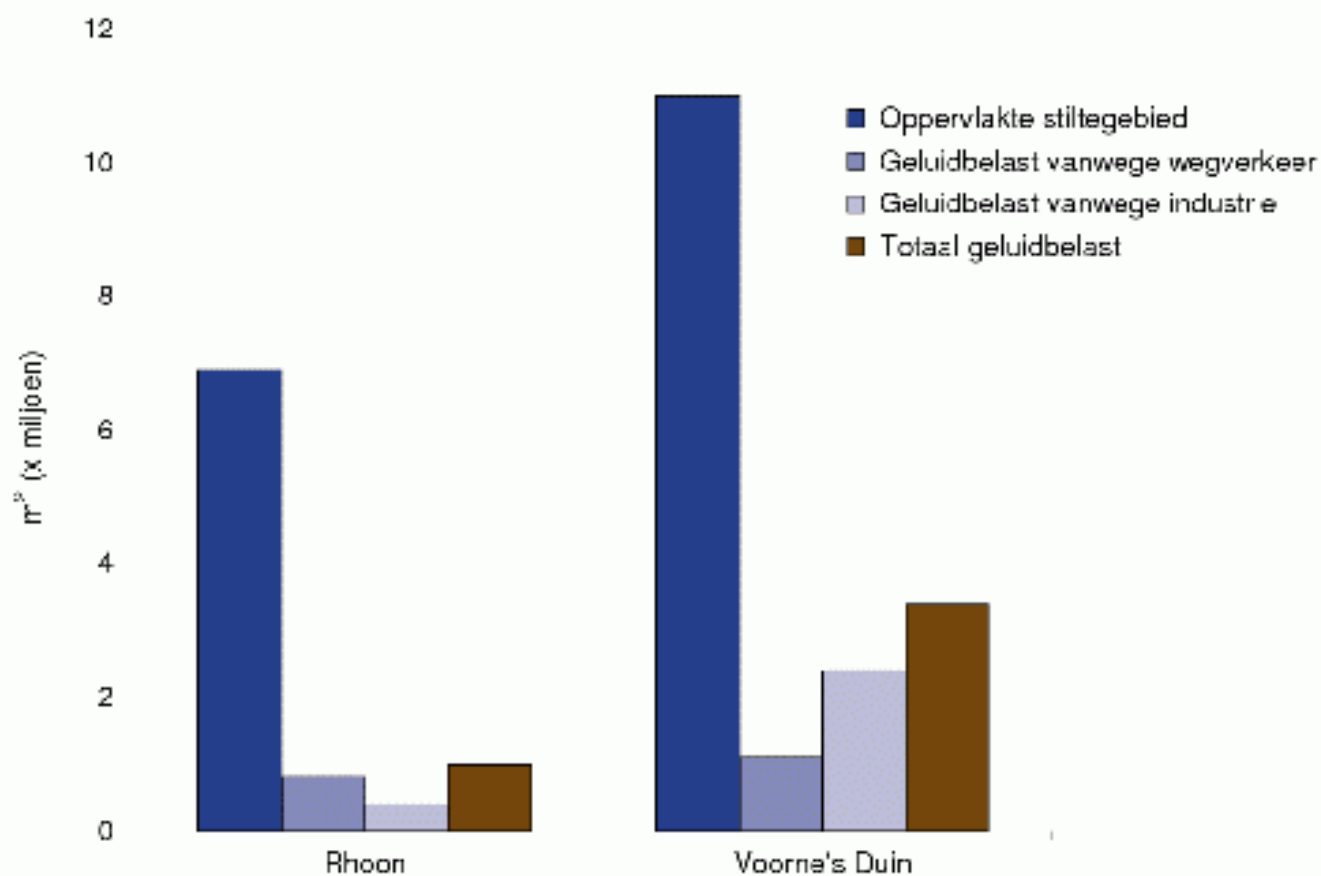


Bron: DCMR



Noise – state of environment (3)

Geluidsbelaste oppervlakte stiltegebieden 2010

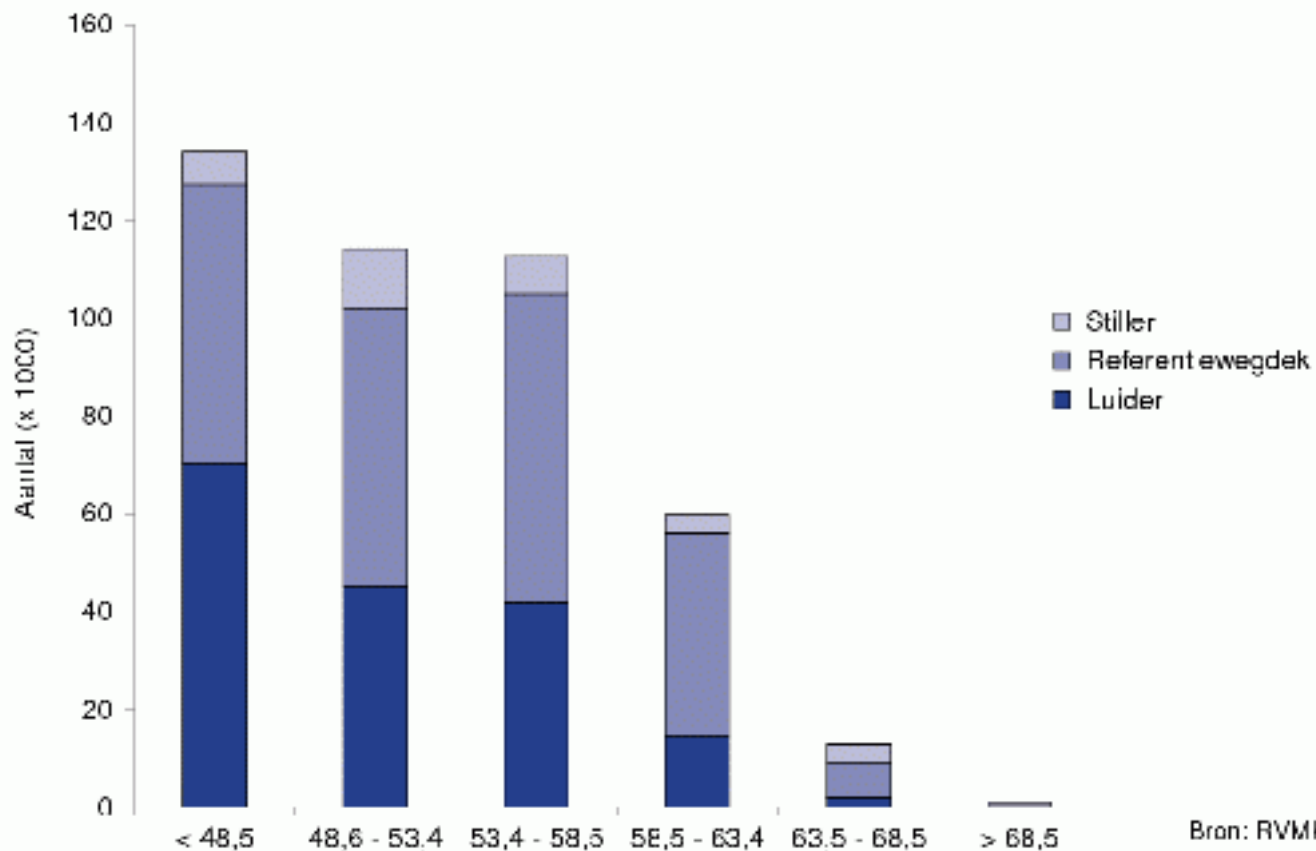


Bron: DCMR



Noise – state of environment (4)

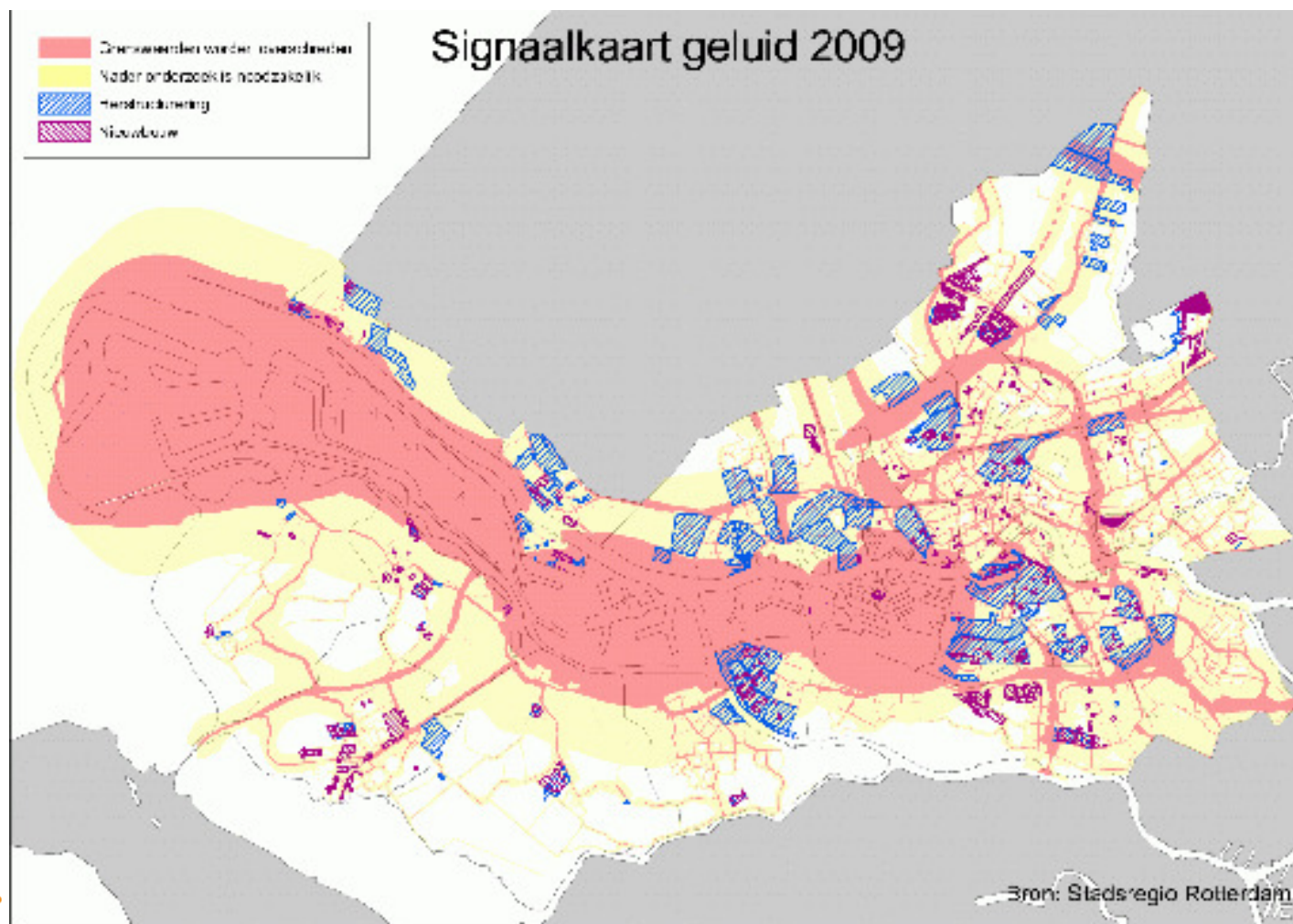
Geluidsbelaste woningen langs wegen 2010



Bron: RVMK



Noise – state of environment (5)



Noise – END implementation province (1)

→ <http://www.zuid-holland.nl/contentpagina.htm?id=96602>

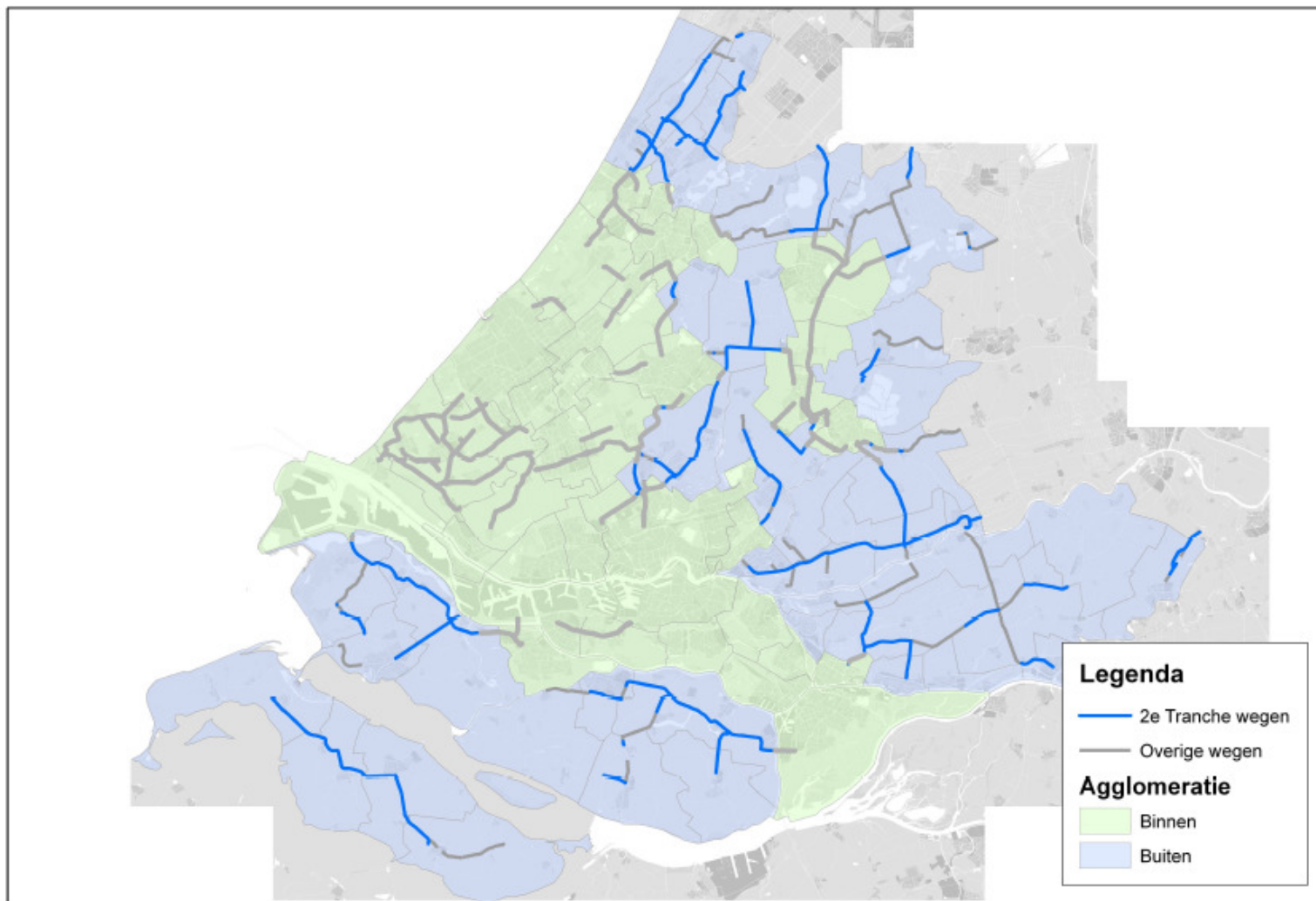
→ Major roads outside agglomerations;

→ Number of inhabitants annoyed = 4.620

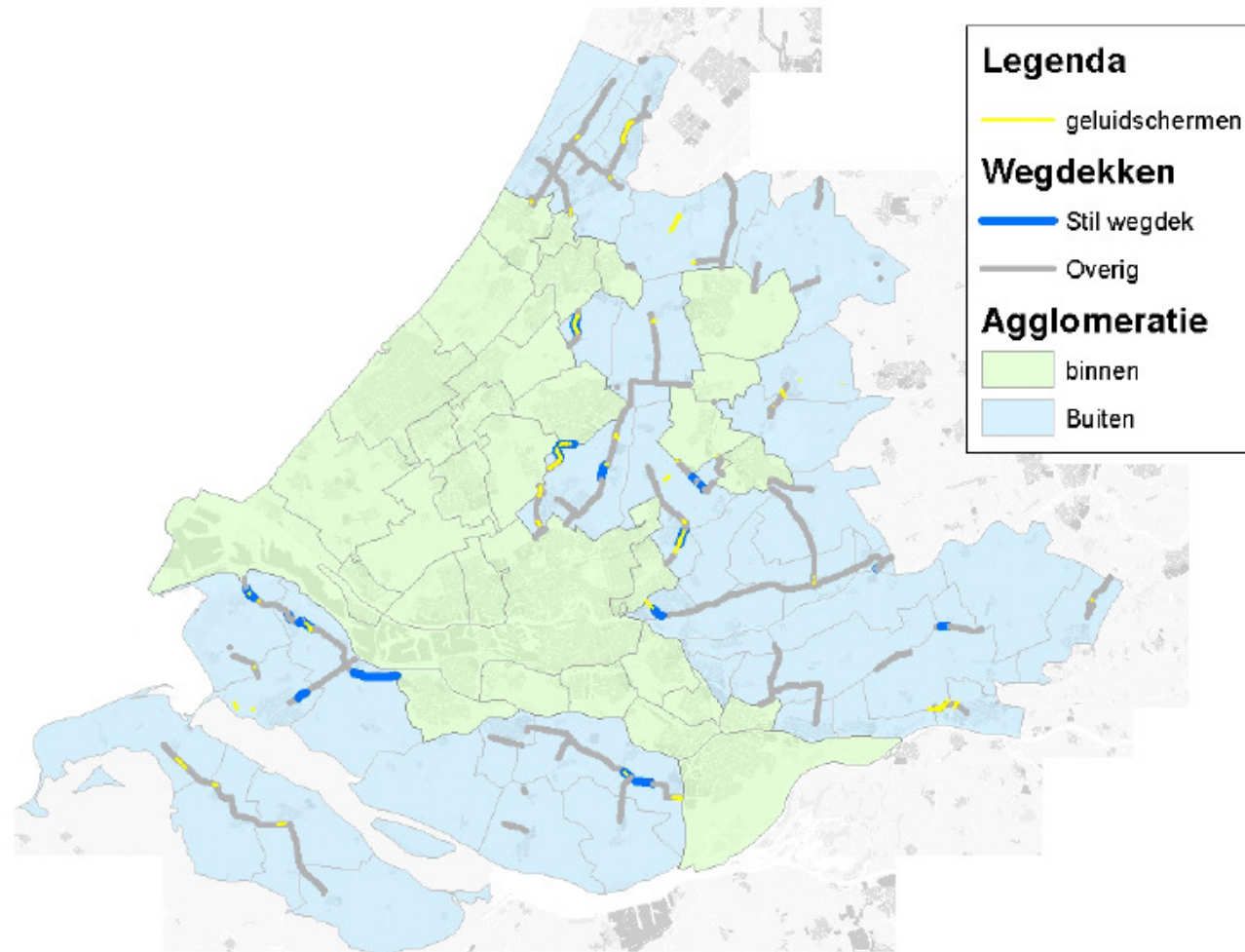
→ Number of inhabitants highly annoyed = 2011



Noise – END implementation province (2)



Noise – END implementation province (3)



Noise – END implementation Rotterdam (1)



→ <http://www.rotterdam.nl/geluidsbelastingrotterdam>

→ Road traffic noise

→ 92.230 persons annoyed

→ 40.891 persons highly annoyed

→ Total number of inhabitants in Rotterdam is appr.
600.000

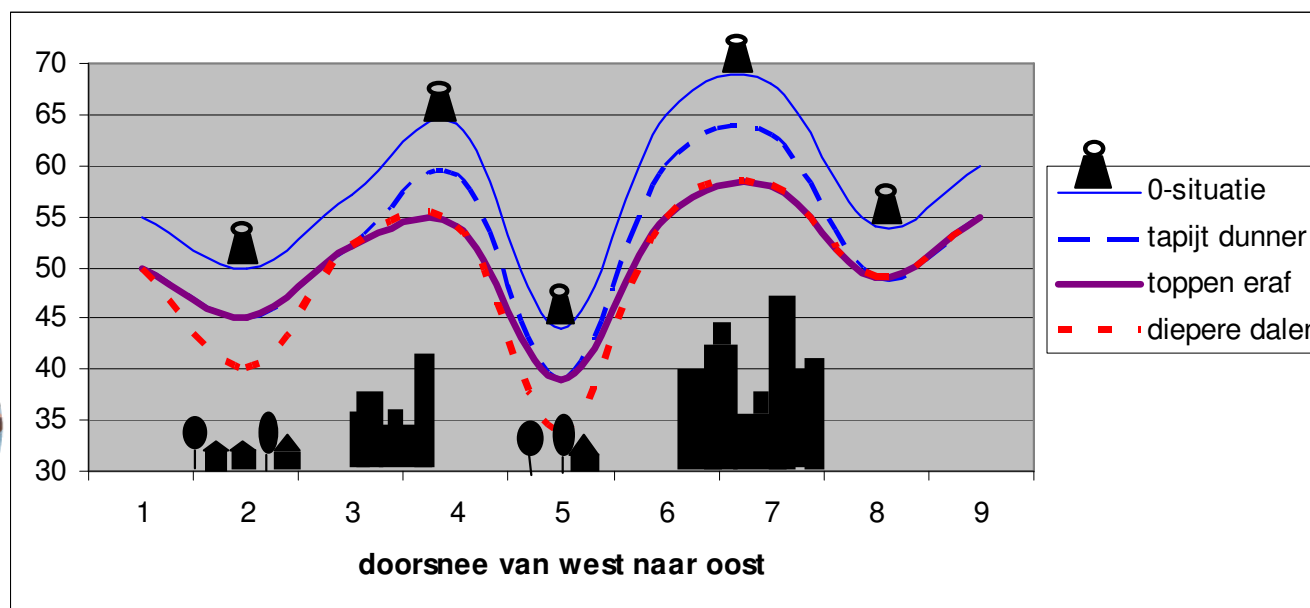


Noise – END implementation Rotterdam -> actions

prognose effecten lange termijn		2013	2018	2023
groei geluidhinder		4.000-	8.000-	12.000-
		-3,7%	-7,4%	-11,0%
voorkomen groei geluidhinder	reductie aantal gehinderden	3.000	10.000	11.000
	% van totaal	2,8%	9,2%	10,1%
aanpak knelpunten gemeentelijke wegen	reductie aantal gehinderden	2.250	4.500	6.750
	% van totaal	2,1%	4,1%	6,2%
stille stad	reductie aantal gehinderden	2.000	4.000	6.000
	% van totaal	1,8%	3,7%	5,5%
stille banden en stille voertuigen	reductie aantal gehinderden	-	7.500	15.000
	% van totaal	0,0%	6,9%	13,8%
aanpak knelpunten railverkeer	reductie aantal gehinderden	1.000	2.500	4.693
	% van totaal	0,9%	2,3%	4,3%
aanpak knelpunten rijkswegen	reductie aantal gehinderden	250	500	1.000
	% van totaal	0,2%	0,5%	0,9%
totaal	reductie aantal gehinderden	4.500	21.000	32.443
	% van totaal	4%	19%	30%
totaal gehinderden	108.823	104.323	87.823	76.380



Noise – END implementation Rotterdam -> actions



Strategy consists of 3 pillars:

- Low noise road pavement
- Sound acoustic spatial planning
- Improving acoustic quality, addressing annoying noise sources such as cafes, bars, scooters, construction noise and enhancing green areas



Action plan noise Rotterdam: actions (1)



- Low noise road pavement (appr. 9 ha. until 2017) improves acoustic quality of 15.000 inhabitants (> 3 dB reduction of noise within dwelling)
- Traffic management and improvement of (high traffic intensities) roads with speed limit 30 km/h
- Insulation of > 300 dwellings (appr. 600 inhabitants will have reduction > 3 dB within dwelling)
- Cafe and bar programme in cooperation with branche, police, DCMR
- Soundscape research quiet urban areas and improvement green areas



Action plan noise Rotterdam: actions (2)

- Noise requirements (limits, monitoring) and enforcement of noise from music and outdoor events
- Sustainable construction works including noise annoyance criteria and requirements
- Guidance document on construction noise
- Inventory hotspots of tram and metro noise
- Inventory hotspots of scooter annoyance and enforcement of noise limits by police
- Combination of energy reduction and noise insulation programmes with private sector and citizens
- Etc....



Intermezzo - soundscape



→ <http://vimeo.com/50263930>



Wrap up

- Thank you for your attention!
- Remaining questions?

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it's
complicated

