



DCMR EPA



- Works for municipalities in the Rotterdam Metropolitan Region and the province of South Holland
- Environmental tasks on permitting, inspection and enforcement, outlook assessments and monitoring
- Expertise on soil contamination, air quality, waste, external safety and noise
- Centre for complaints and emergency 24/7 open
- Advising on local, national and European policies

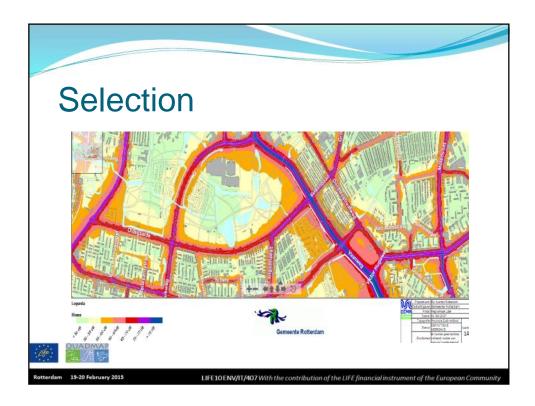




Rotterdam

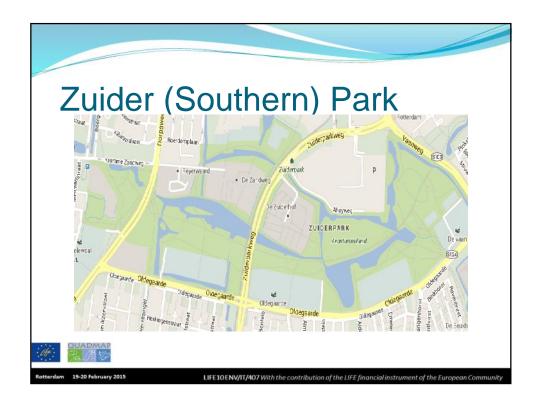
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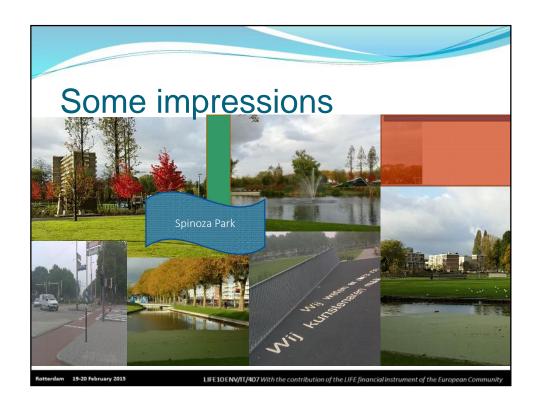
















What have we done?

- Noise measurements before and after interventions
- Questionnaire visitors before and after interventions
- Visit to both parks and examined them (visual and auditory observations)
- Soundwalk

Life 0

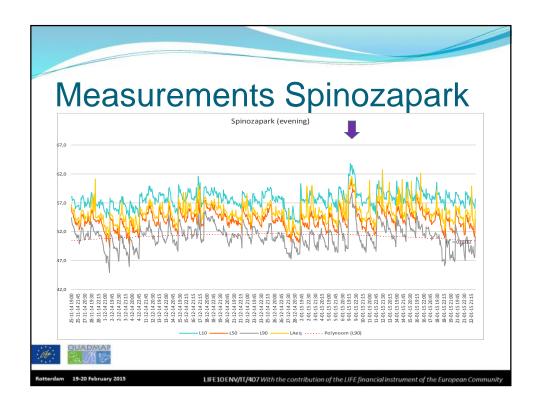


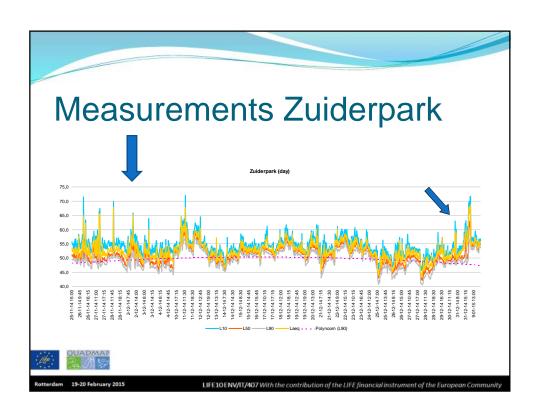
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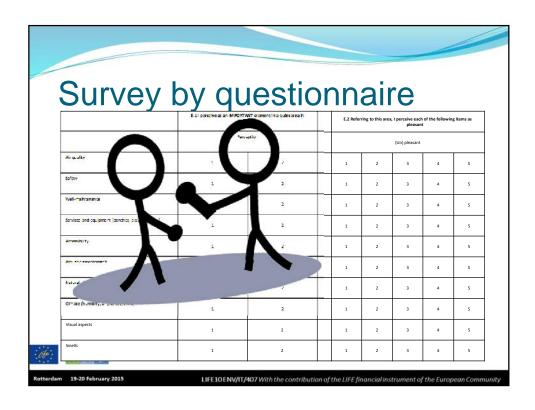
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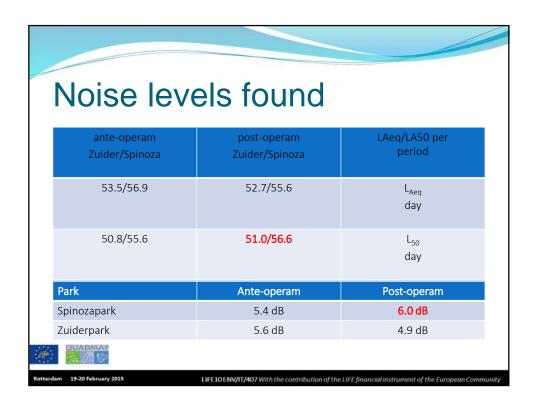


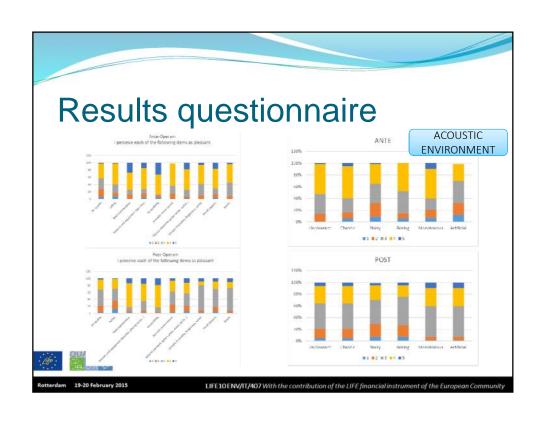


Ехрє	ert an	alysis	
Urban equipment	Presence and location of urban equipment	Number of benches and other equipment/m ²	
Proximity from/to noise sources	Proximity to noise sources means possible high noise levels. If users can see noise source it influences on their noise perception psychologically	Main noise source is next to QUA and it is visible by users Main noise source is next to QUA and it is invisible by users Main noise source is far away	Depending upon which position within the park. Along the borders of the park main roads that are visible, but ample opportunity to get deeper in the park and out of sight (and ear)
Presence of a multi-sources scenario	Presence of one or more kind of noise sources	Road, rail and airplane traffic noise Road and rail traffic noise Road traffic noise	See above regarding road and railway (metro) noise
Taxonomy of noise sources	Identification and classification of noise sources	Traffic sounds (cars, tractors, buses, planes) Mechanical sounds (construction works, farming activities) Human sources (children, people talking/laughing, foot steps) Natural sources (birds.	All sources can be heard in different parts of the park and in different combinations (and perception/valuation). Varies from clearly audible to somewhat audible



Rotterdam, your votes please Noise measurements Questionnaires **Interdam** 19-29 February 2015** **INTERIORNATI/407 With the contribution of the LIFE financial instrument of the European Community**





Soundwalk

PM wacht op stuk van Rens Bachman (komt ws vandaag (vrijdag)





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Some conclusions I

- Reductions noise levels found are poor, due to:
 - Noise levels are influenced by works (sewer)
 - Noise levels are influenced by wind direction
 - Noise levels are influenced by seasonal effects
 - Other kind of activities in the park
 - Other type of visitors
 - Less biking &walking, more cars
- Outcomes questionnaire , next slide







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Some conclusions II

- Findings questionnaires
 - Appreciation regarding noise did not increase
 - Overall appreciation did not increase

Due to other public/visitors

Due to other activities

Which is due to the season





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