Rotterdam The Hague Airport a Case Study by ANIMA

ANIMA hybrid workshop: New Approaches to Mitigate Aviation Noise Impact

22 June, 09:00 - 15:30, Vienna International Airport

June 22 2021

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ANIMA
Aviation Noise Impact Management
through Novel Approaches

Horizon 2020

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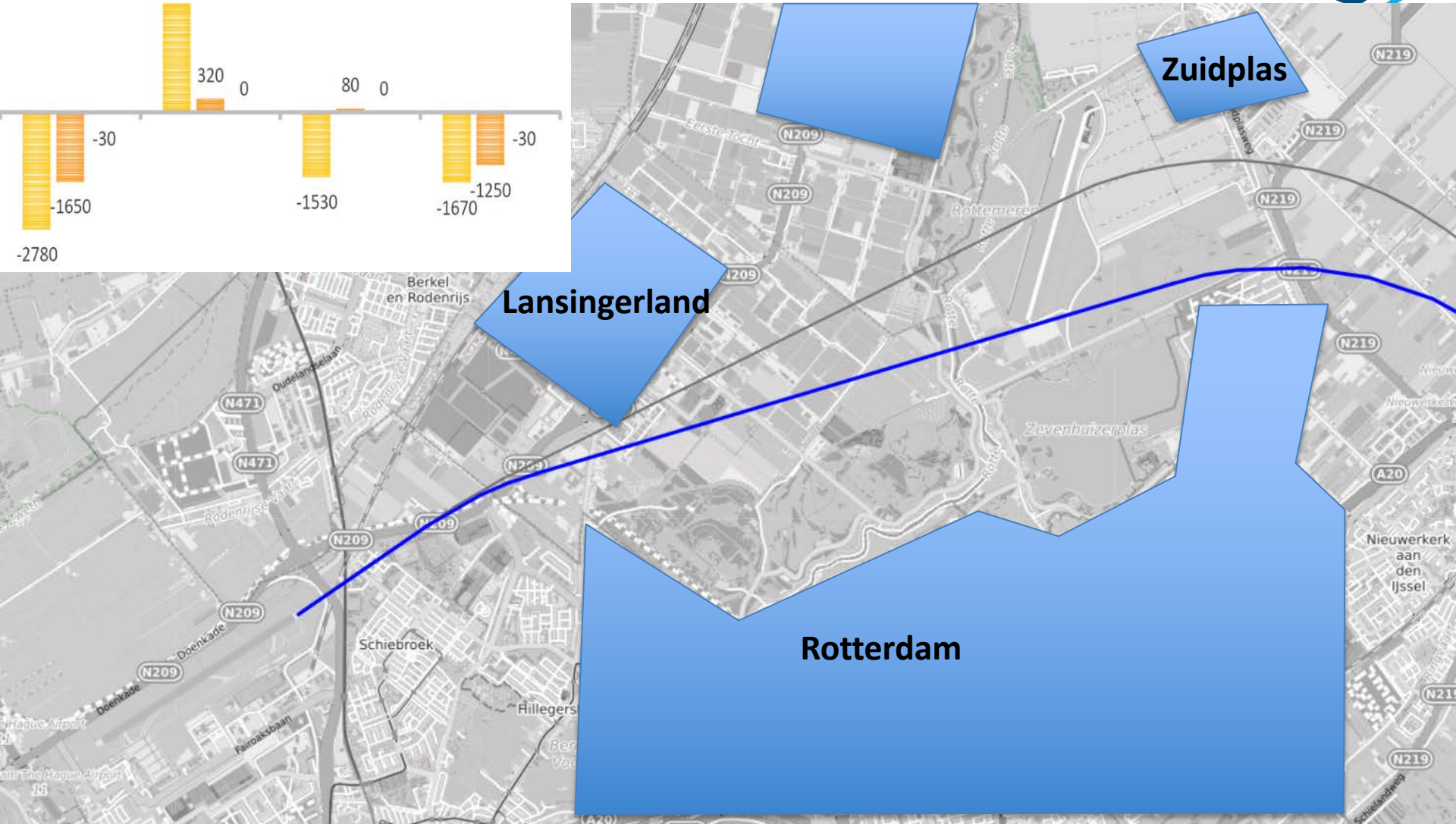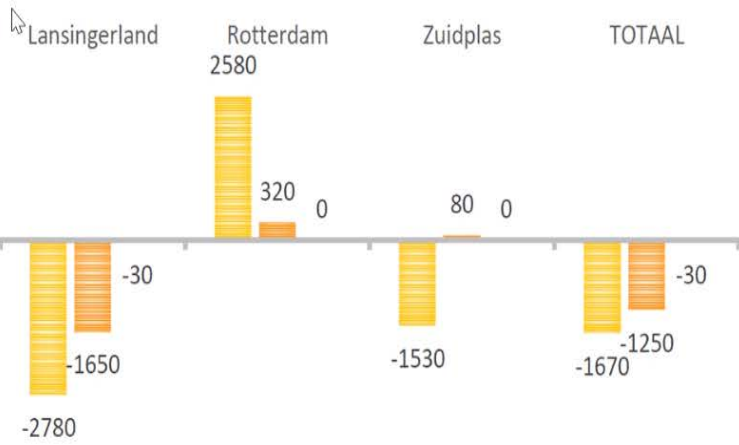
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This project has received funding from the European Union's Horizon 2020
research and innovation programme under grant agreement No [769627]

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Legend: ■ 65 LAmax ■ 70 LAmax ■ 80 LAmax

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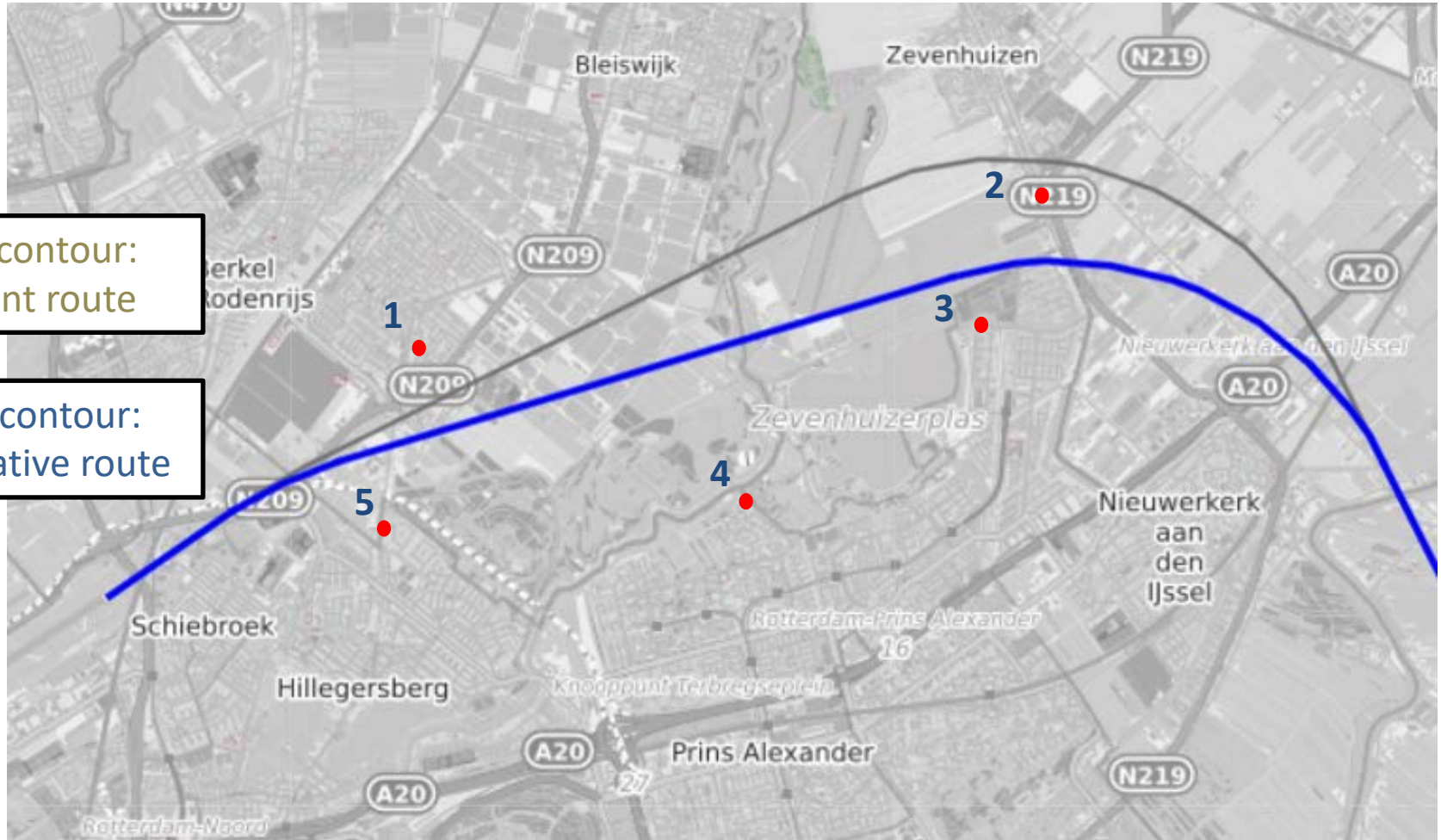
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Approach

How to make a decision on the impact of an alternative departure route?

- Use dialog group with community and airport stakeholders
- Clear communication of expectations:
  - e.g. no growth of airport but for community
  - Community gives advice, dialog group decides
  - Honest about implementation (issues, dilemmas)
- Listen to issues: Noise peak levels, not daily average (L_{den})
- Translate finding in noise report into sound evaluation
- Ask people from community to participate in evaluation
- Hold meetings with participants in small groups
- Draw lessons from this approach

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Locations to be evaluated

Grey contour:
Current route

Blue contour:
Alternative route

Evaluating sound of routes using website

25 participants

Score between -3 and +3

Grey contour: Current route

Blue contour: Alternative route

Alternative -3.5 dB (73dB)

Question 1: Score = 1.8
Current considerable more annoying than alternative

Question 2: Score = 1.4
Current somewhat to considerable more annoying than alternative

Alternative -2.7 dB (69dB)

Alternative +4.3 dB (70dB)

Question 3: Score = -1.8
Alternative considerable more annoying than current

Question 4: Score = -1.2
Alternative somewhat more annoying than current

Alternative +4.4 dB (65dB)

Question 5: Score = 0.1
Alternative equal to current

Alternative +0.4 dB (74dB)

Discussions with community members

- Mixed groups from all communities together
- Small groups
- Understanding for each other problems
- New/other complaints surfaced as well ('by-catch')
- Also listen to critical community members

Conclusions / Take-aways

- This approach (dialog + sound evaluation website) was highly appreciated by community members

- Small/mixed groups help to get constructive dialog/discussion

- More understanding for the difficult decisions

- No magic solution, final decision still difficult in this situation

- Transparency and clear communication key to build up trust and feeling of fairness with community

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