

Case study #3 – the impact of sound insulation scheme on residents 'quality of life The case of Marseille – city in the south of France

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Marseille- Movements (activity report 2017)

- Number of commercial movement: 92 584
- Number of passengers: 9 millions
- Growth rates:
 - National flight +2,4% /year
 - International flight +9%/year



Objective of the task

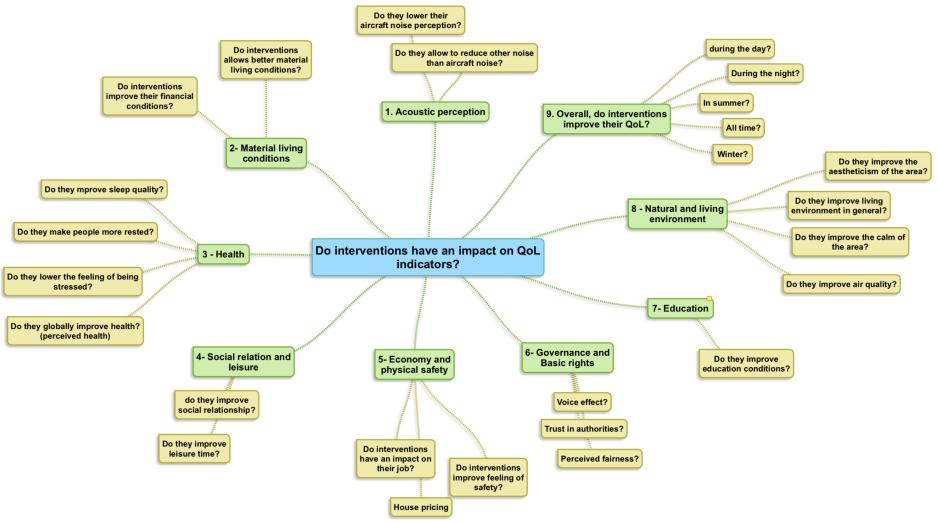
- Evaluation of residents' responses to interventions resulting from the balanced approach
 - Operational procedure
 - Land use planning and management
 - Communication
- ➤ Analyse to what extent efforts that are deployed by airports to have good relationship with neighbours are efficient & well perceived by communities
 - Do they know the intervention ?
 - Does it improve their quality of life?
 - Does it lower their annoyance ?



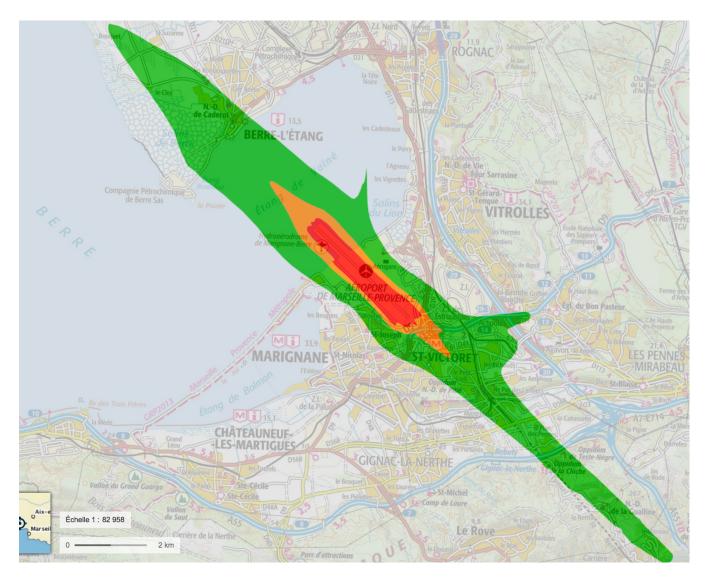


Research hypothesis

Main question: Do existing interventions have an impact on QOL indicators?



Marseille Noise Map





Methodology

Insulation scheme in Marseille

Tools

Focus-Groups

No. of participan ts

28 divided in 4 groups 17 woman, 11 men, almost all owners

Type of data

Qualitative

One in Vitrolles non eligible: a small town very close to the airport but not concerned by the insulation scheme, not in the annoyance noise map

One in Marignane eligible half/half: a small city on the annoyance noise map and really close to the airport with departure and arrivals noise issues.

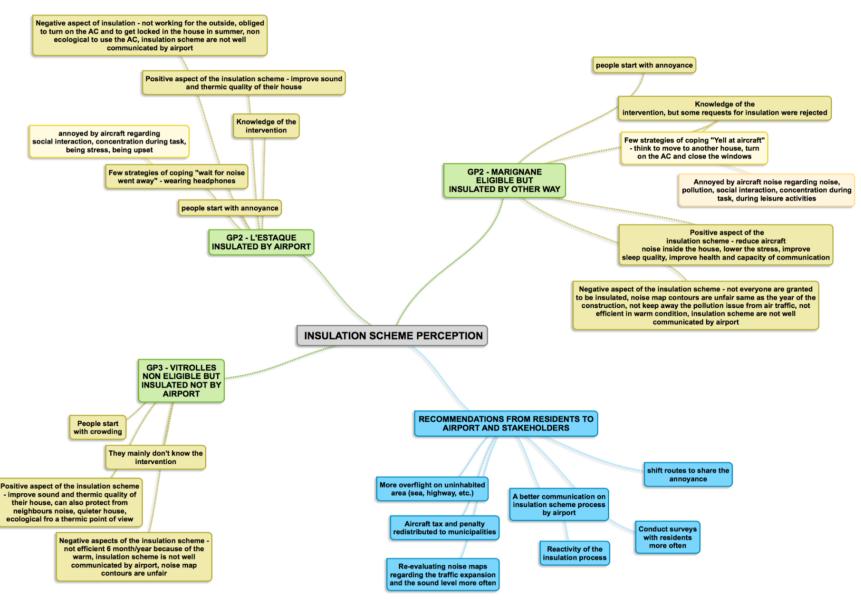
One in l'Estaque eligible: a small town situated one a harbour, within a pleasant area, but where noise issues are the same as in Marignane

One with environmental associations members



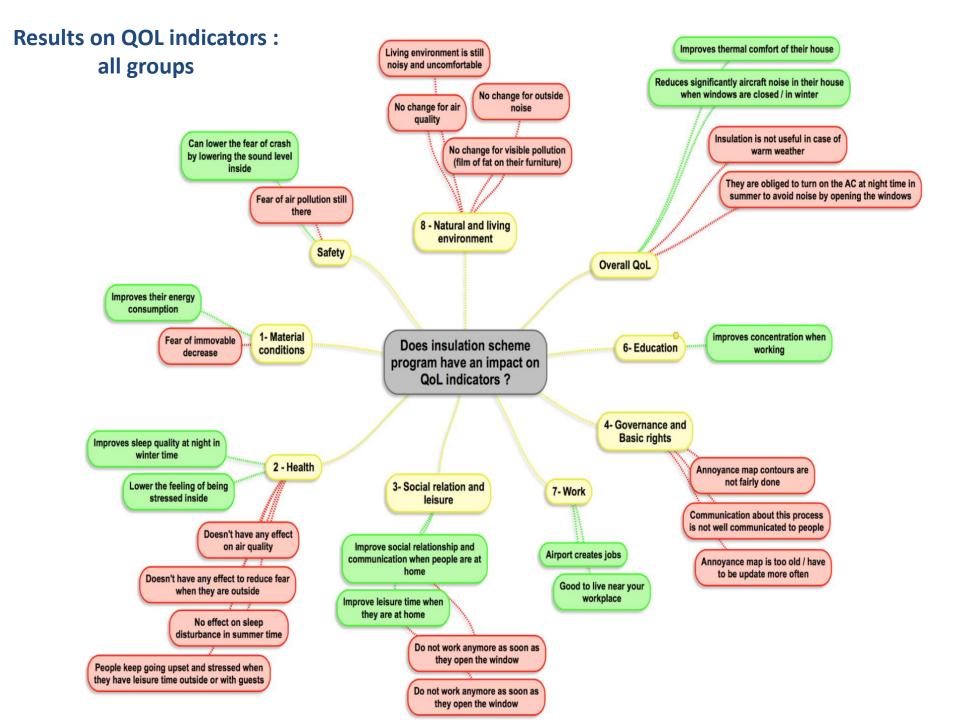


Results per group

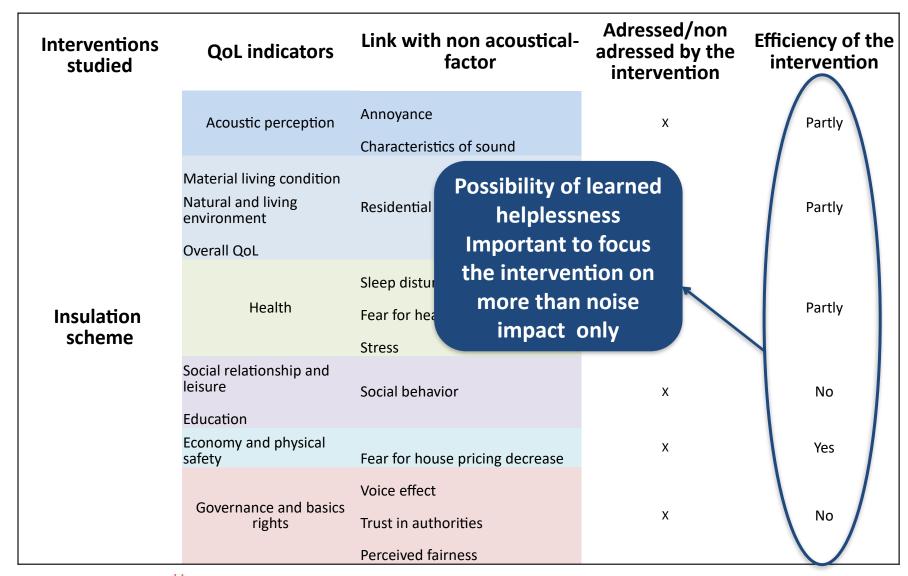








Results for insulation scheme







Conclusion

- ➤ Quality of life goes beyond the sound quality of the living place. For instance, by remembering feelings like fear, stress or even issues like air pollution people are talking about their health.
- Insulation Scheme program is **not well known**
- Noise map contours are considered like unfair by residents
- > Even if insulated people are still annoyed
- Actual interventions are mostly only based on noise reduction but other things can bother people, in addition to noise (see non acoustical-factors)





How to better address quality of life in designing interventions?

Participation/Fairness (capacity of the intervention to better include residents in the decision-making process)

Health (capacity of the intervention to lower the pollution, noise, and stress effects of air traffic and to improve sleep of residents)

Social life and leisure (capacity of the intervention to lower the impact of air traffic on these activities)





Thank you for your attention!

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