

The European Noise Directive 2002/49/EC, a constraint or an opportunity?

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The purpose of the Directive is to create awareness on noise. The European Noise Directive 2002/49/EC has created new activities within Noise in the Environment: several manufacturers and research laboratories have focused on more accurate tools to estimate population exposure:

- a new calculation method has been developed for more accurate noise mapping (Harmonoise & Imagine)
- Bruel & Kjaer has made a survey by visiting key customers in Europe to have a better understanding of the future needs created by the directive resulting in an integrated system for noise measurements and noise calculation.
- GIS (Geographic Information System) tools have been developed for being able to treat large scale noise maps.

It is a great opportunity for a community to benefit the use of these new techniques. Several city councils chose to fulfil the Directive using these new tools, and as a result will define action plans that in the long term will become a good investment. The paper will describe the basics of these new tools and some examples

Biography

2000-Present: Bruel & Kjaer

2000-2002: Project manager for ADP project (4 airports around Paris, more than 2500 movements a day)

2002-2006: Marketing ENV, in charge of:

- European sales leader (2002) for Environmental Products
- Product management 3638 (exhaust Noise Inspector), 4447 (Human Vibration meter) and dosimeters
- ENM for cities sales promotion (European Noise Directive application in Europe, and best practices for the other continents) and application specialist on monitoring solutions
- Project manager for some key projects in relation with EU Environmental Noise Directive: Bremen (12 NMTs + ENM + Lima), Bucharest, 4 million inhabitants, 18 NMTs (Noise Monitoring Terminal) + ENM (Environmental Noise Management) + Lima (Reverse engineering application where input data are of bad quality)

1995-2000: BPB (British Plasterboard), building acoustics consultant, in charge of:

- Developing new products (high sound insulation systems) as for instance Megastil, see http://www.bpbplaco.com/bpb_fr/ProduitsOuvrages/catalog/ouvrage.aspx?ProductID=31
- Following the most complex french constructions sites as for instance France Televisions studios (6 studios of 600-900 m², DnTa > 84 dB)

- French representative for international and European building acoustics standards, animator of a working group on the characterization of additional lining.

1988- 1995: Bruel & Kjaer, France

- 2 years as sales engineer
- 3 years as electro-acoustics application engineer
- 3 years as acoustics product manager

1988: Master in acoustics

1987: Engineer in mechanics and electricity