Directive 2002/49/EC
(END)

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Past milestones

- Commission’s proposal: 2000
- Adoption by EP & C: 25 June 2002
- OJ publication: 18 July 2002
- Transposition: 18 July 2004
- Reporting to EC: 2005
  - Authorities responsible for implementing
  - Agglomerations concerned
  - Major roads/railways/airports concerned
  - Limit values (in force or planned)
Objectives

- Determine exposure to environmental noise by common methods
  - Strategic noise mapping
  - Common assessment methods and noise indicators
- Ensure information is available to the public
  - on environmental noise
  - on its effects
  - By means of strategic noise maps
- Adoption of action plans by Member States with a view to
  - preventing, reducing environmental noise particularly where exposure levels can induce harmful effects on health
  - preserving environmental noise quality where it is good
  - On the basis of strategic noise maps
- Basis for developing Community measures to reduce noise emitted by major sources in particular:
  - Road vehicles and infrastructures
  - Rail vehicles and infrastructures
  - Aircraft
  - Outdoor and industrial equipment and mobile machinery
Scope

- END applies to environmental noise to which humans are exposed in particular in:
  - Built-up areas
  - Public parks and quiet areas
  - Near schools, hospitals, other noise-sensitive buildings and areas
Environmental noise

- Unwanted or harmful outdoor sound created by human activities
- Including: noise emitted by means of transport, road traffic, rail traffic, air traffic, and sites of industrial activity
- Excluding: noise caused by the exposed person himself, by domestic activities, by neighbours, at work places, inside means of transport, due to military activities in military areas
Strategic noise mapping

Round I
- Noise maps due by 30th of June 2007
- Agglomerations ≥ 250,000 inhab.
- Major civil airports ≥ 50,000 mvts/year
- Roads ≥ 6,000,000 veh/year
- Railways ≥ 60,000 trains/year
Strategic noise mapping

- Round II
  - Noise maps due by 30th of June 2012
  - Agglomerations $\geq 100,000$ inhab.
  - Roads $\geq 3,000,000$ veh./year
  - Railways $\geq 30,000$ trains/year

- Review & revision every 5 years
Strategic noise mapping

- **Indicators**
  - $L_{den} + L_{night}$ at least
    - Day min. 12 hours (7-19)
    - Evening 2, 3 or 4 hours (19-13)
    - Night min. 8 hours (23-7)
  - **Supplementary possible**
    - Number of events
    - $L_{Amax}$
    - SEL
    - Etc.
Strategic noise mapping

- Assessment methods
  - Round I
    - Interim methods or equivalent methods
    - Guidelines 6.8.2003
  - Round II
    - Harmonised methods
Strategic noise mapping

- Must be made for following contours:
  - $L_{den}$: 55-59, 60-64, 65-69, 70-74, $\geq$ 75
  - $L_{night}$: 50-54, 55-59, 60-64, 65-69, $\geq$ 70

- Information to public and action plans:
  - Maps must be made available and disseminated to the public
  - Graphical presentation
  - Disclose exceeding of limit value
  - Difference maps (current/future situations)
  - MS may lay down rules on types & formats
Strategic noise mapping

- In agglomerations
  - Emphasis on road traffic, rail traffic, airports, industrial activity sites
  - Other sources possible
  - Separate maps by source
Strategic noise mapping

- Guidance from WG AEN available
  - Version 1 in 2003
  - Version 2 in 2006 (e-box)

- Guidance on harmonised methods
  - Imagine project
  - Further EC guidelines possible
Strategic noise mapping

- Health effects may be assessed (WG HSEA)
  - Position paper 2002 Lden - annoyance
  - Position paper 2005 Lnight – sleep disturbance
  - WHO works

- Monetisation may be carried out (WG HSEA)
  - Position paper 2003
  - Benefit: 25€/dB(Lden road)/household/year
  - Value for air traffic might be higher
Action plans

- Round I: 2008
- Round II: 2013
- Revision every 5 years
- Based on strategic noise maps
- Mandatory consultation of the public about proposals (preparation & review) and back information to the public
- Plans must be made available and disseminated to the public
Action plans

- MS may define own limit values and other criteria triggering enforcement of mitigation measures
- Measures within the plans are at the discretion of competent authorities
- Should address priorities identified by exceeding of any relevant limit value or other criteria ...
- Should apply to most important areas determined by strategic noise mapping
- Should contain estimates on reduction of people annoyed, sleep disturbed, etc.
- EC may develop guidelines
Action plans

- Working Groups papers
  - Railway noise
  - Airport noise
  - Road traffic noise

- See EUROPA noise webpage
Data reporting

- **MS must report to EC at + 6 months**
  - Statistics on number of people exposed to Lden and Lnight by sources for bands of 5 dB width (see slide 10)
  - Summaries of action plans
- **Data management endorsed to the EEA**
  - Electronic reporting mechanism
  - EU database
  - Summary of reported data
- **EC**
  - Guidelines on data reporting (2007)
  - Report (2009) to EP and Council assessing the situation and if appropriate proposing:
    - goals for reduction of people harmfully affected by noise
    - further Community measures on sources
    - Selection criteria: health effects + cost-effectiveness
    - Amendments of the Directive
More information

EUROPA: http://europa.eu.int/comm/environment/noise

CIRCA: http://forum.europa.eu.int/Public/irc/env/noisedir/home

CALM: http://www.calm-network.com

THANK YOU! Questions ?