



# Legislation and Airport Noise

## Transparent noise management and community engagement in Ljubljana airport area

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# THE MINISTRY OF ENVIRONMENT AND SPATIAL PLANNING

## Environment Directorate, Areas of work:

- Formulates policies and performs tasks in the following areas:
  - Air quality
  - Soil conservation
  - Nature conservation
  - Waste management
  - Protection against noise and electromagnetic radiation
  - Industrial pollution
  - Industrial accidents
  - Climate change and
  - Environmental impact assessment

More information about environmental noise:

<https://www.gov.si/teme/hrup-v-okolju/>

# National legislation regarding environmental noise

- Environmental Protection Act (2004-)  
Zakon o varstvu okolja (ZVO-1) (Uradni list RS, št. 39/06 s spremembami)
- Decree on the assessment and management of environmental noise (2004-)  
Uredba o ocenjevanju in urejanju hrupa v okolju (Uradni list RS, št. 121/04 in 58/19)
- Decree on limit values for environmental noise indicators (2005-2018; 2018-)  
Uredba o mejnih vrednostih kazalcev hrupa v okolju (Uradni list RS, št. 43/18 in 59/19)
- Rules on initial measurements and operational monitoring of noise sources and on conditions for their implementation (2008-)  
Pravilnik o prvem ocenjevanju in obratovalnem monitoringu za vire hrupa ter o pogojih za njegovo izvajanje (Uradni list RS, št. 105/08)

Regarding Environmental noise

# EU LEGISLATION

# EU, environmental noise, legislation

- Directive 2002/49/EC ... relating to the assessment and management of environmental noise
  - Determination of exposure to environmental noise, through noise mapping.
  - Ensuring that information on environmental noise and its effect is made available to the public.
  - Adoption of action plans, based upon noise mapping, with a view to prevent and reduce environmental noise where necessary.
- Directive (EU) 2015/996 ... establishing common noise assessment methods
  - Define common approach to determine the exposure to environmental noise, through noise mapping.
  - Result are noise indicators  $L_{den}$  and  $L_{night}$  .

According to national legislation

# **REQUIREMENTS, INDICATORS, LIMITS FOR AIRPORTS**



## Airport requirements – environmental noise

- Airport with runway longer than 2.100 m has to operate according to environmental permit, whose content are:
  - description of noise source,
  - noise limit values,
  - noise mitigation measures and
  - noise monitoring.

Airport operator has to apply for modification of environmental permit upon every major change in operation.

Table 1: Limit values for mayor airport\*

Noise protection zone	Lday (dBA)	Levening (dBA)	Lnight (dBA)	Ldvn (dBA)
IV. zone	70	65	60	70
III. zone	65	60	55	65
II. zone	60	55	50	60
I. zone	55	50	45	55

\*50.000 civil aircraft movements per calendar year

Table 2: Limit values for non-mayor airport

Noise protection zone	Lday (dBA)	Levening (dBA)	Lnight (dBA)	Ldvn (dBA)
IV. zone	73	68	63	73
III. zone	58	53	48	58
II. zone	52	47	42	52
I. zone	47	42	37	47

