



REPUBLIC OF SLOVENIA
COURT OF AUDIT

AUDIT REPORT

Efficiency in preventing light pollution

Performance audit

Audited period: 1 January 2007 to 30 June 2017

Light pollution is the emission of light from artificial sources of light:



affecting human natural sleep pattern, **health and well-being**



affecting animal life and **ecological balance**



causing sky luminance and **interfering with astronomical observations**



causing **unnecessary energy use**



endangering road safety due to discomfort glare



Objectives



3×
less skyglow



20 %
less energy
consumption

Slovenia is one of
the few countries which
legally regulated the field
of light pollution.



Way ahead



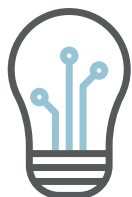
**environmentally
friendly lamps**



**other restrictions
regarding lighting**

final deadlines for adjusting lighting
expired on 31 December 2016

- ➖ **Subsequent amendments** to the existing regulation **eliminated most of the tasks** of the **Ministry of the Environment and Spatial Planning**.
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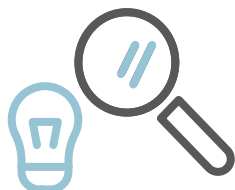


Restrictions pertaining to **electric power** do **no longer ensure pollution reduction** due to development of more energy efficient illuminants.



The regulation does not define admissible light spectrum or **colour temperature**.

- ➖ **The Ministry does not monitor the situation** in the field of light pollution regularly and comprehensively.
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Only **the Inspectorate** exercises **regular control thus not enough** for comprehensive monitoring of the situation.



No authorised persons performing measurements of lightness and illumination **due to lack of interest in acquiring** relevant accreditations.



The Ministry of the Environment and Spatial Planning was not efficient in preventing light pollution.

The Court of Audit recommended to the Ministry:



to identify actual situation in the field of light pollution



to examine the applicability of restrictions laid down in the regulation