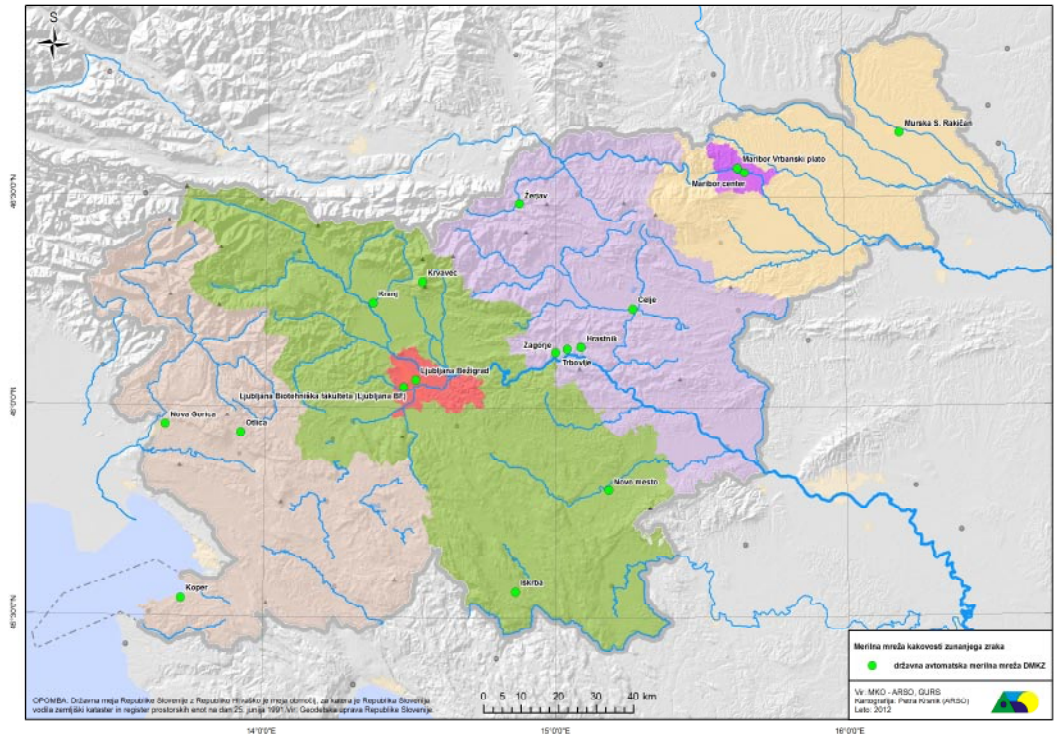
AIR QUALITY MONITORING IN SLOVENIA

State AQ monitoring network in Slovenia



AQ levels in Ljubljana

* določena sta zgornji in spodnji ocenjevalni prag

limit (target) value exceeded
upper assessment threshold exceeded
lower assessment threshold exceeded
concentration below the lower assessment threshold
(or limit or target value)

Concentration level of different pollutants in 2010 (z – protection of health, e – protection of ecosystems, v – protection of vegetation)

Merilno mesto/ site	območje/ Zone code	Žveplov dioksid SO_2*		dušikov dioksid NO_2*	dušikovi oksidi NO_x*	ogljikov monoksid CO*	ozon O_3		delci PM_{10}*	delci $PM_{2.5}$	benzen C_6H_6*	arzen v PM_{10} As*	kadmij v PM_{10} Cd*
		z	e	z	v	z	z	v	z	z	z	z	z
DMKZ													
Ljubljana Bežigrad	SIL												
Ljubljana Biotehniška f.	SIL												
OMS Ljubljana center	SIL												

Monitoring methods:

PM_{10}: Oscilation microweighing (TEOM); gravimetry
NO_2: Chemoluminiscence
O_3: UV absorbtion

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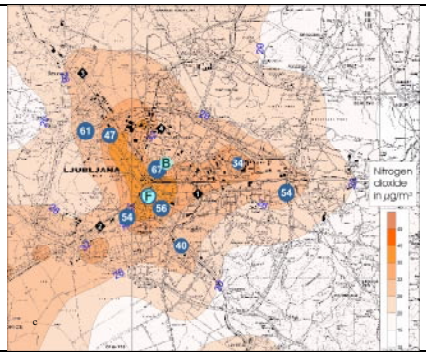
Continuous monitors 	TEOM – PM_{10} 	PM_{10} sampler Leckel 
Diffusive samplers 		<= PROJECT AIRPECO Joint project of JRC Ispra and Environmental Agency of RS – interpolated field of NO_2 concentration in Ljubljana, Urban forests were not included.

Monitoring of urban forests has two intentions:

1. taking care of forest's health.
2. information for population about (in most cases) better air quality and climate in the forest than inside urban area.

Monitoring should be more intensive than at non-urban forest plots because of influence of emissions from urban area. For population, near real time information about meteorological conditions and air quality would be welcome to get hints where to escape from too high temperatures and bad air.

My proposal, for public information, the following information from urban forest monitoring:
Information about the urban forest monitoring
Air temperature, Air humidity,
PM_{10} concentration, NO2 concentration, Ozone concentration

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