

Příloha 1 - Parametry modelu KAMM (2/2), půdní model

Proměnná	Voda	Písek	Písčito-hlin	Jíl	Město
DWS	1.0	0.395	0.435	0.863	0.435
DPSIS	-0.001	-0.121	-0.218	-0.356	-0.218
DKS	1.E-6	17.6E-5	3.41E-5	8.0E-6	1.0E-5
DB	0.0	4.0	4.9	7.75	4.0
DCAP	4.18E6	1.47E6	1.34E6	0.84E6	2.0E6
DWW	1.0E-4	6.77E-2	0.1142	0.3947	0.07
DLV0	0.57	0.32	0.21	0.08	0.7
DLV1	0.0	11.2	2.1	0.53	0.0
DLV2	0.0	0.0	42.0	0.0	0.0
DLV3	0.00	0.0	0.0	0.0	0.0
DLL0	9.99	2.15	1.16	9.99	9.99
DLL1	9.99	0.6	1.34	9.99	0.0
DG0	0.10	0.35	0.35	0.15	0.15
DGL	0.0	0.15	0.20	0.00	0.00

Proměnná	Jednotka	Popis
DWS	m**3/m**3	objemový obsah vlhkosti pro nasycenou půdu
DPSIS	m	vlhkostní potenciál pro nasycenou půdu
DKS	m/s	hydraulická vodivost pro nasycenou půdu
DB		Clapp-Hornbergerův exponent
DCAP	J/K/m**3	objemová tepelná kapacita suché půdy
DWW	m**3/m**3	objemový obsah vlhkosti bodu vadnutí
DLV0	W/m/K	koeficienty DLV0 - DLV3 slouží k určení teplotní vodivosti
DLV1	W/m/K	při nízké hodnoty vlhkosti
DLV2	W/m/K	
DLV3	W/m/K	
DLL0	W/m/K	koeficienty DLL0 - DLL1 slouží k určení teplotní vodivosti
DLL1	W/m/K	při vysoké hodnoty vlhkosti
DG0		albedo suché půdy
DGL		rozdíl albeda suché a nasycené půdy

Proměnná	Voda	Pastviny	Zemědělské p	Opadavý les	Orná půda	Smíšený les	Hustá zást.	Ostatní zást	Louky
DSIG	0.0	0.8	0.7	0.9	0.70	0.85	0.30	0.3	0.6
DLAI	1.E-16	2.5	5.3	6.0	5.30	5.5	1.00	1.0	3.0
DAF	0.0	0.25	0.2	0.12	0.2	0.11	0.15	0.15	0.25
DEF	0.0	0.96	0.96	0.95	0.96	0.97	0.90	0.90	0.96
DDISP	0.0	0.15	0.58	5.0	0.58	10.0	2.00	2.00	0.40
DRMIN	0.0	150.0	180.0	250.00	180.0	150.0	2000.0	2000.0	100.00
DSTEM	0.0	1.25	1.1	1.50	1.1	1.5	3.00	3.00	1.1
DROOT	0.0	7.0	2.0	1.00	2.0	2.0	4.00	4.00	5.0
DZG	0.0010	0.002	0.001	0.001	0.0010	0.0010	0.0010	0.0010	0.0010
DZ0	2.0E-4	0.03	0.09	2.0	0.09	2.0	2.0	0.5	0.2
DCVEG	0.0	1.2	2.20	2.50	2.2	2.50	2.5	2.5	2.5
DEG	0.98	0.96	0.96	0.95	0.96	0.96	0.90	0.90	0.96
DWB	1.00	0.30	0.30	0.30	0.30	0.30	0.15	0.15	0.30

Proměnná	Jednotka	Popis
DSIG		podíl pokrytí vegetací
DLAI	m**2/m**2	Leaf Area Index
DAF		albedo vegetace
DEF		emisivita vegetace
DDISP	m	výška posunutí
DRMIN	s/m	horní hranice odporu průduchů
DSTEM		podíl vegetace, která se účastní tepelné výměny ale ne evapotranspirace
DROOT		definuje hloubku kořenů vegetace, jednotkou jsou indexy podzemních vrstev
DZG	m	parametr drsnosti pod vegetací
DZ0	m	parametr drsnosti pro hybnost
DCVEG		parametr profilu větru uvnitř vegetace
DEG		emisivita povrchu
DWB		obsah vody v procentech

## Příloha 2 - Parametry modelu tepelné bilance

### Albedo povrchů:

ulice	albr	0.08
střechy	albf	0.15
zdi budov	albw	0.25

### Emisivita povrchů:

ulice	emr	0.94
střechy	emf	0.90
zdi budov	emw	0.90

### Mocnost a materiál vrstev:

ulice1	dr1	0.01 m	asfalt
ulice2	dr2	0.04 m	asfalt
ulice3	dr3	0.10 m	půda
ulice4	dr4	0.30 m	půda
ulice5	dr5	1.00 m	půda
střechy1	df1	0.01 m	tašky
střechy2	df2	0.04 m	tašky
střechy3	df3	0.10 m	beton
střechy4	df4	0.05 m	izolace
střechy5	df5	0.05 m	izolace
zdi budov1	dw1	0.01 m	beton a kámen
zdi budov2	dw2	0.05 m	beton a kámen
zdi budov3	dw3	0.10 m	beton
zdi budov4	dw4	0.10 m	beton
zdi budov5	dw5	0.05 m	izolace

### Teplotní vodivost vrstev:

ulice1	tcr1	0.75 W/(m*K)
ulice2	tcr2	0.75 W/(m*K)
ulice3	tcr3	0.25 W/(m*K)
ulice4	tcr4	0.25 W/(m*K)
ulice5	tcr5	0.25 W/(m*K)
střechy1	tcf1	0.84 W/(m*K)
střechy2	tcf2	0.84 W/(m*K)
střechy3	tcf3	0.25 W/(m*K)
střechy4	tcf4	0.05 W/(m*K)
střechy5	tcf5	0.05 W/(m*K)
zdi budov1	tcw1	0.50 W/(m*K)
zdi budov2	tcw2	0.50 W/(m*K)
zdi budov3	tcw3	0.25 W/(m*K)
zdi budov4	tcw4	0.25 W/(m*K)
zdi budov5	tcw5	0.05 W/(m*K)

### Tepelná kapacita vrstev:

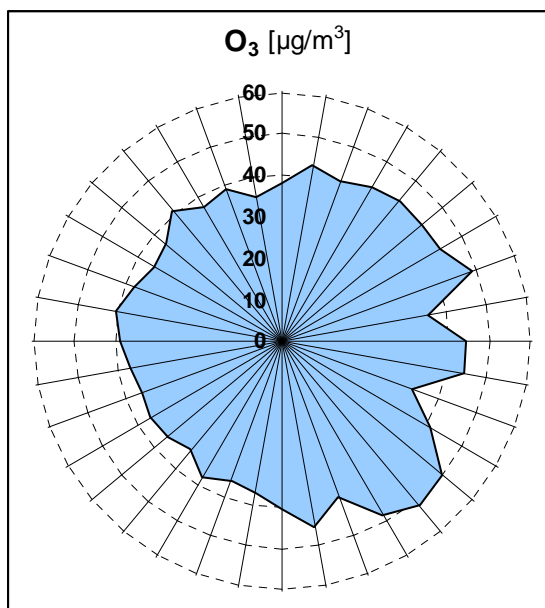
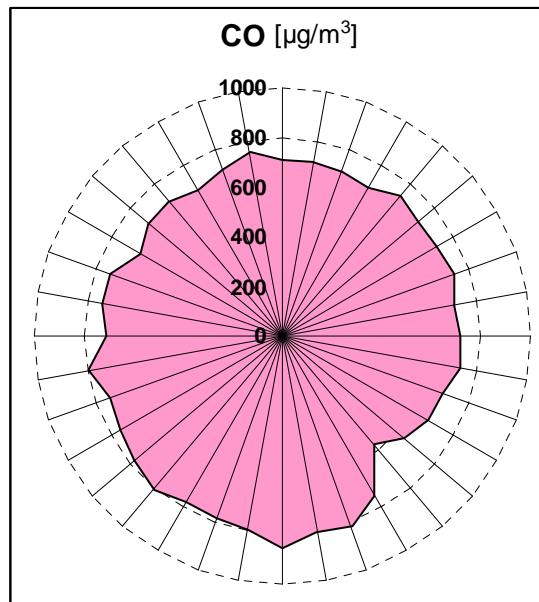
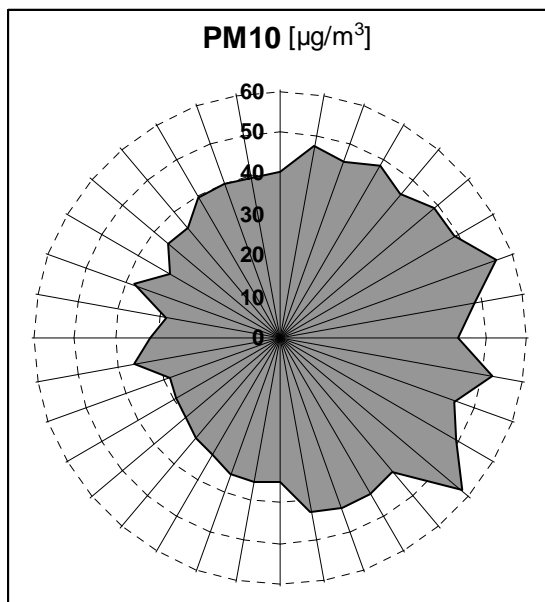
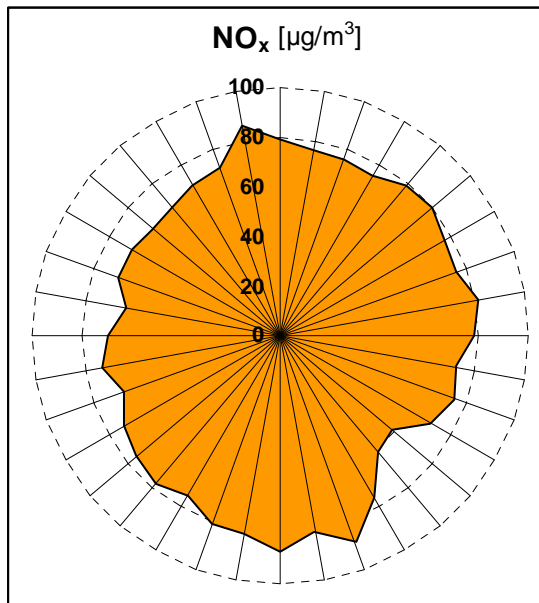
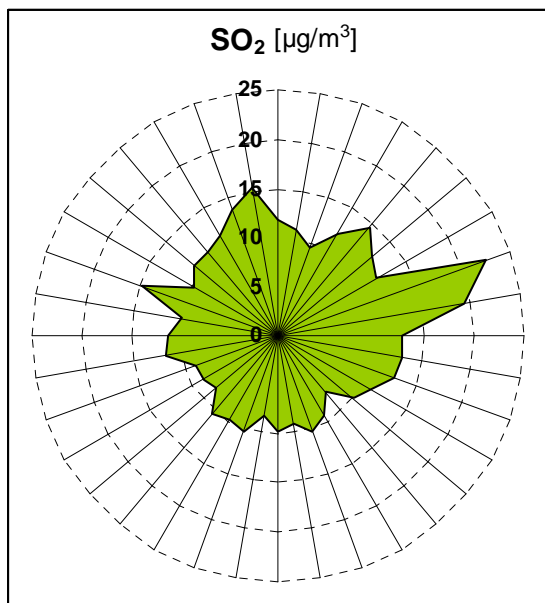
ulice1	hcr1	1.94e6 J/(m3*K)
ulice2	hcr2	1.94e6 J/(m3*K)
ulice3	hcr3	1.28e6 J/(m3*K)
ulice4	hcr4	1.28e6 J/(m3*K)
ulice5	hcr5	1.28e6 J/(m3*K)
střechy1	hcf1	1.77e6 J/(m3*K)
střechy2	hcf2	1.77e6 J/(m3*K)
střechy3	hcf3	1.28e6 J/(m3*K)
střechy4	hcf4	0.29e6 J/(m3*K)
střechy5	hcf5	0.29e6 J/(m3*K)
zdi budov1	hcw1	1.35e6 J/(m3*K)
zdi budov2	hcw2	1.35e6 J/(m3*K)
zdi budov3	hcw3	1.28e6 J/(m3*K)
zdi budov4	hcw4	1.28e6 J/(m3*K)
zdi budov5	hcw5	0.29e6 J/(m3*K)

Časový krok                      dtt      10.0 sec

Vnitřní teplota budov              tbrid      292.15 K

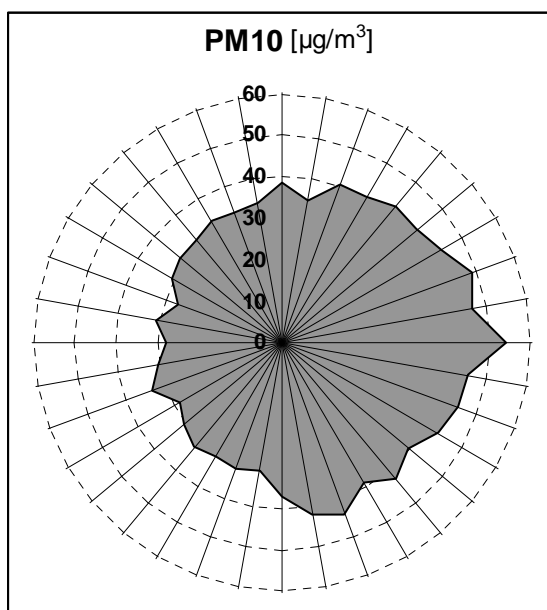
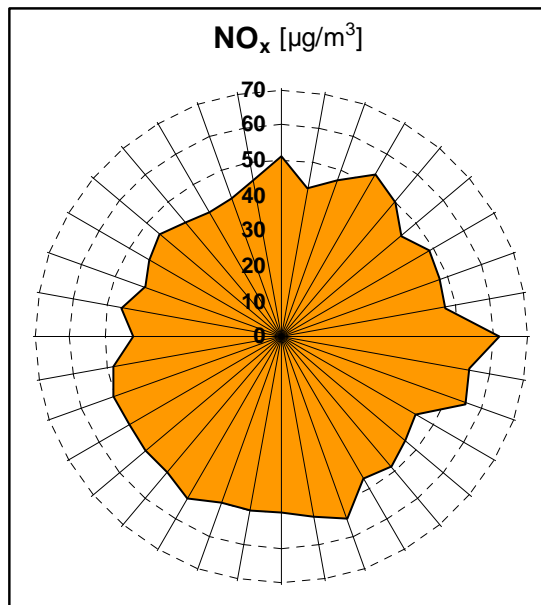
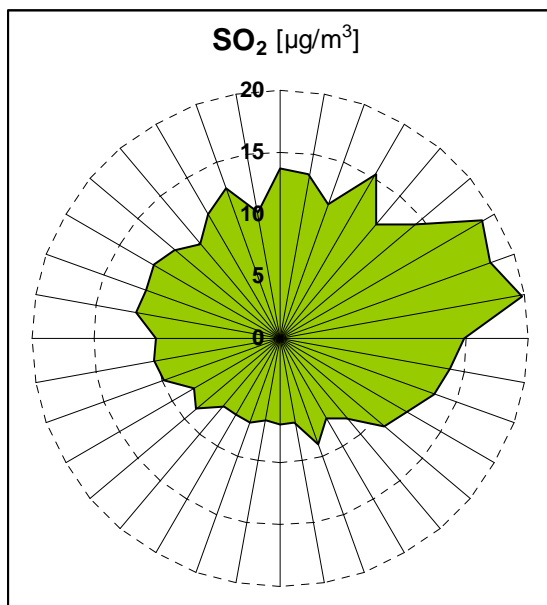
Příloha 3 - Závislost koncentrace škodlivin na směru větru (1/10)

Náměstí Republiky



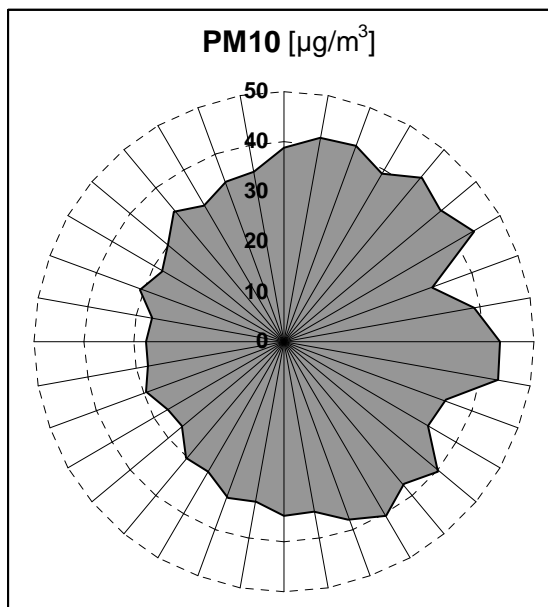
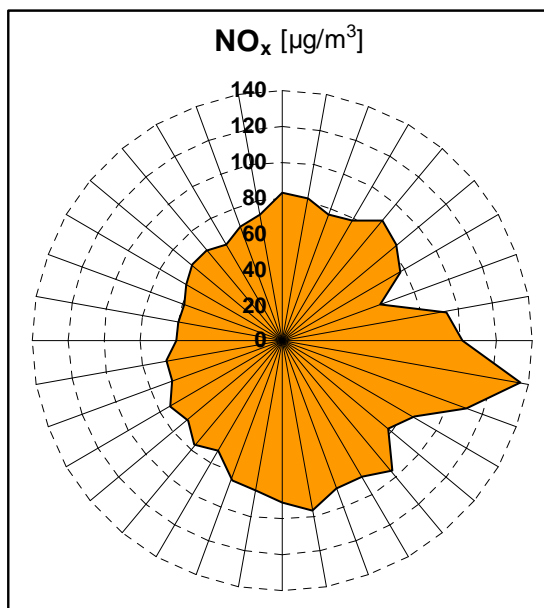
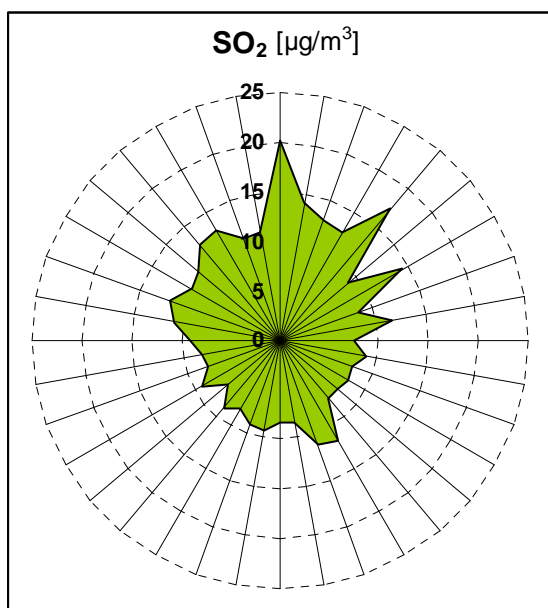
Příloha 3 - Závislost koncentrace škodlivin na směru větru (2/10)

Riegrovy sady



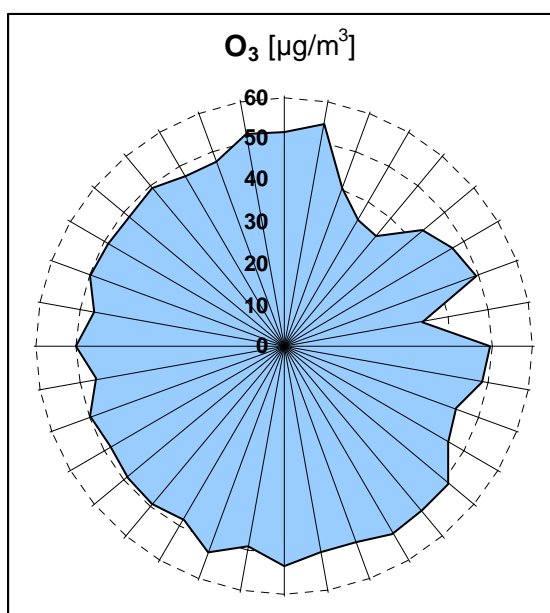
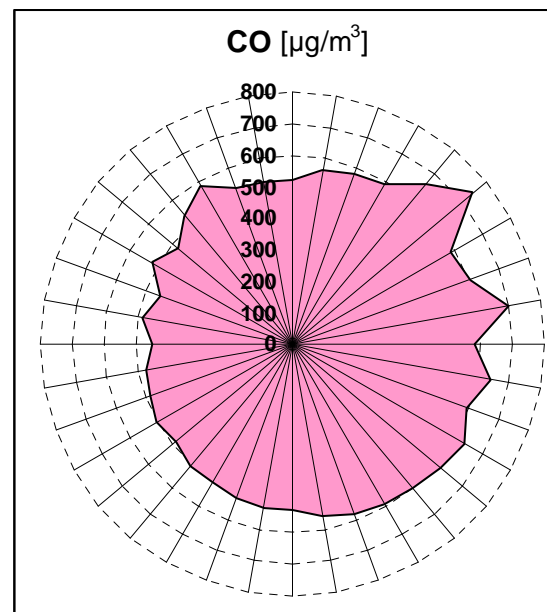
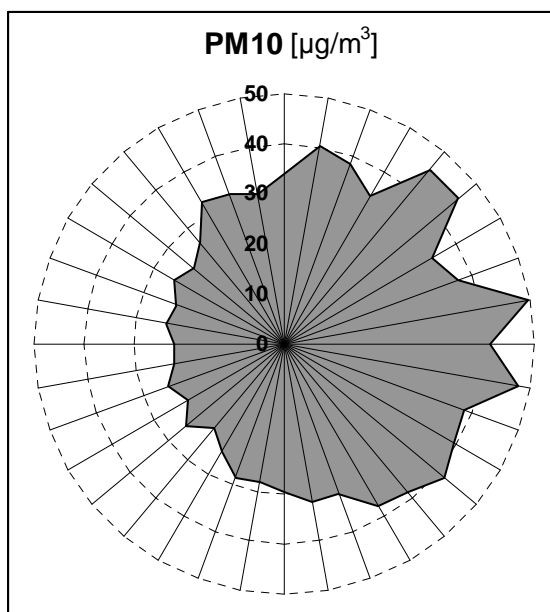
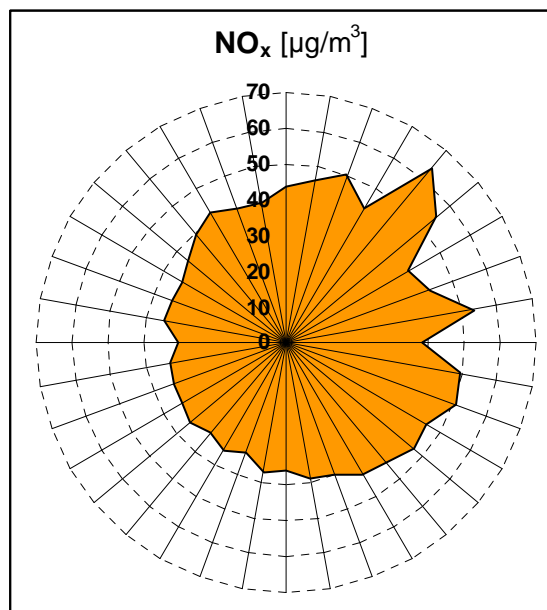
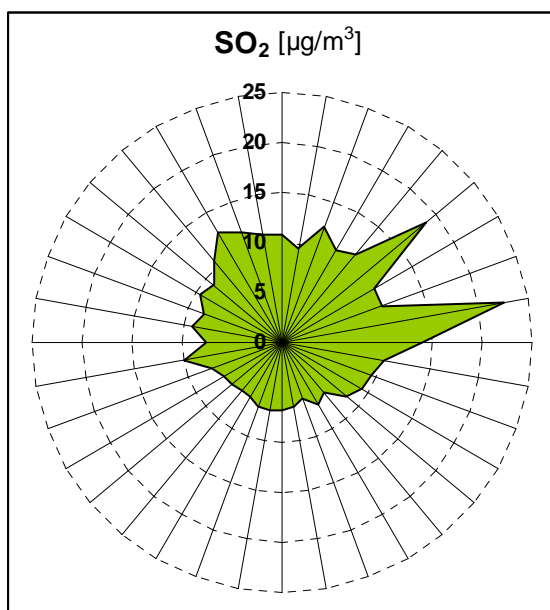
Příloha 3 - Závislost koncentrace škodlivin na směru větru (3/10)

Braník



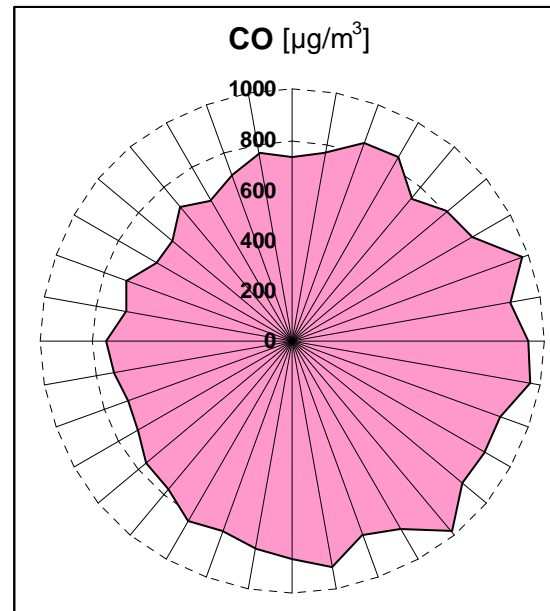
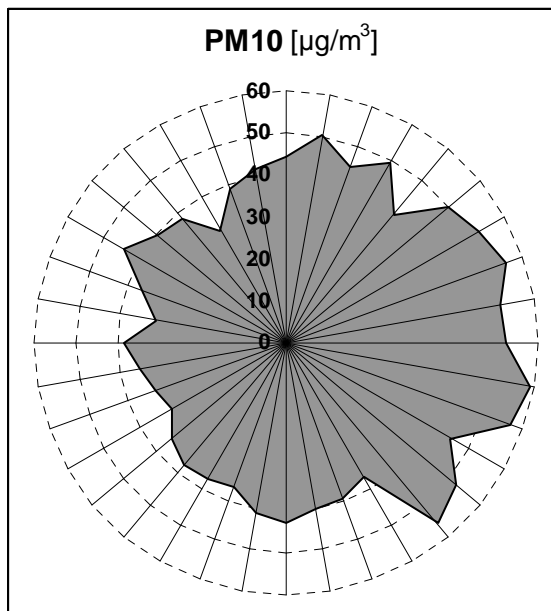
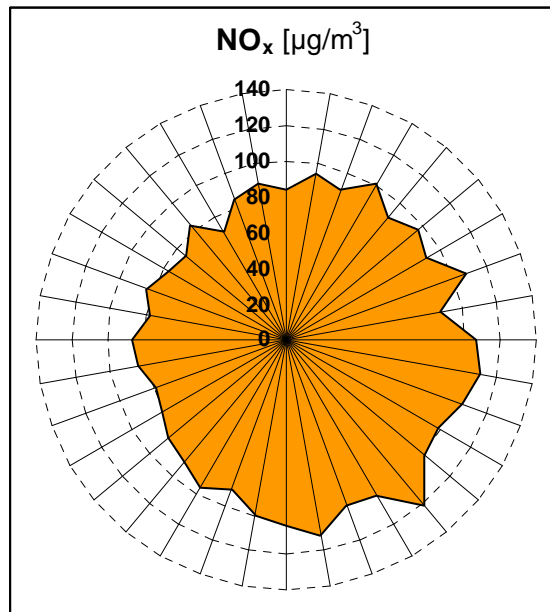
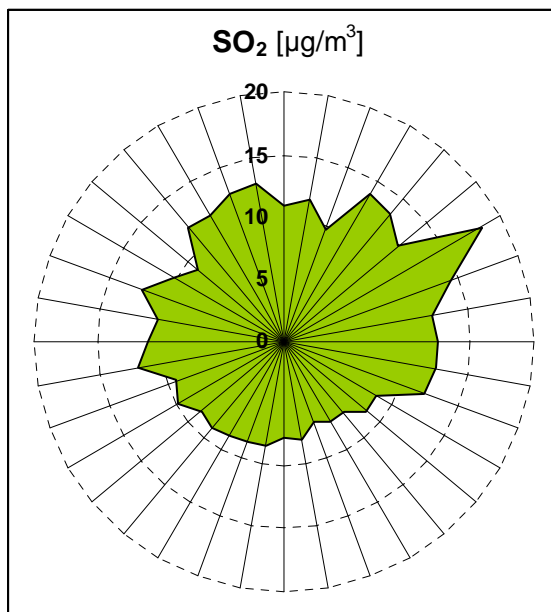
Příloha 3 - Závislost koncentrace škodlivin na směru větru (4/10)

Libuš



Příloha 3 - Závislost koncentrace škodlivin na směru větru (5/10)

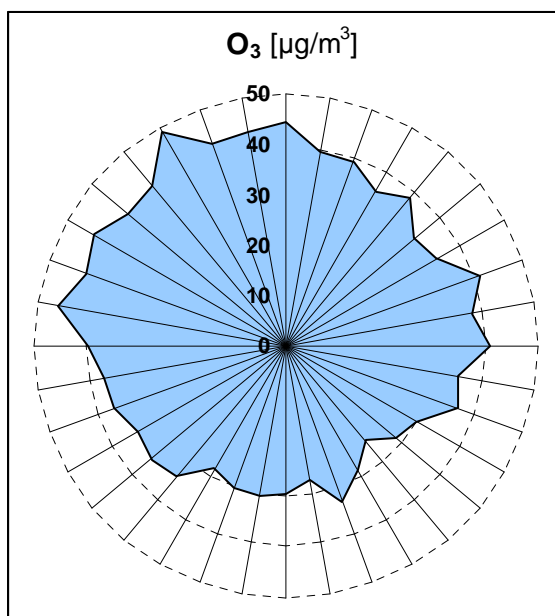
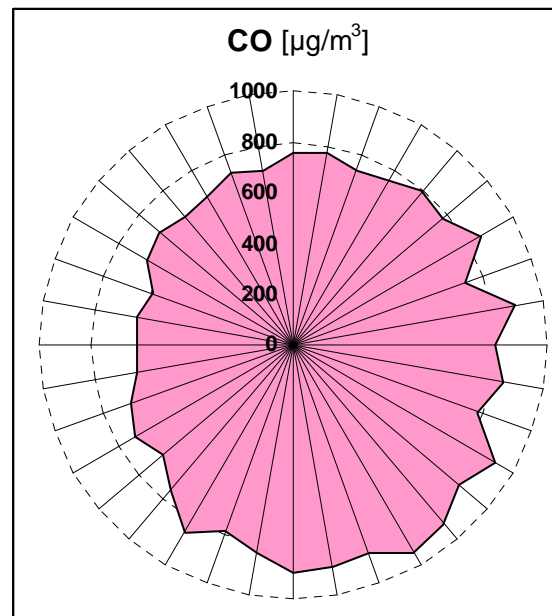
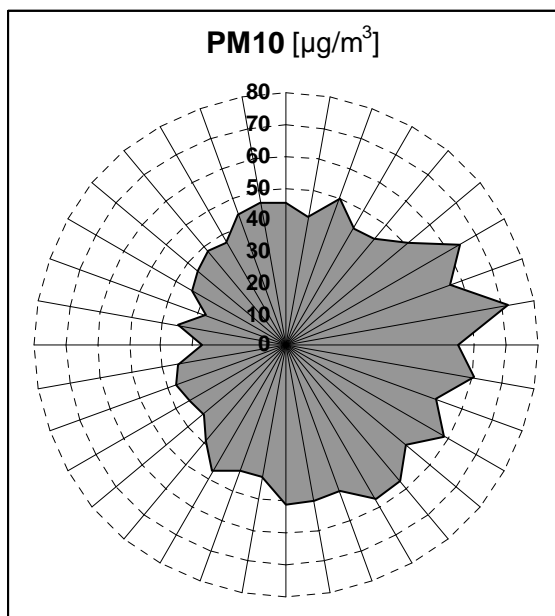
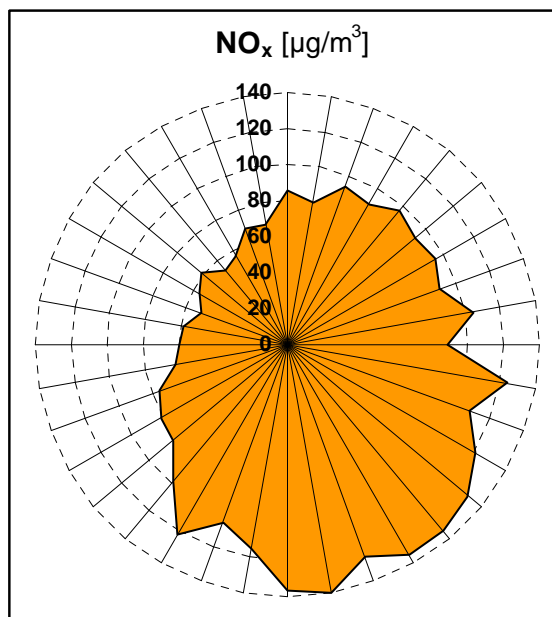
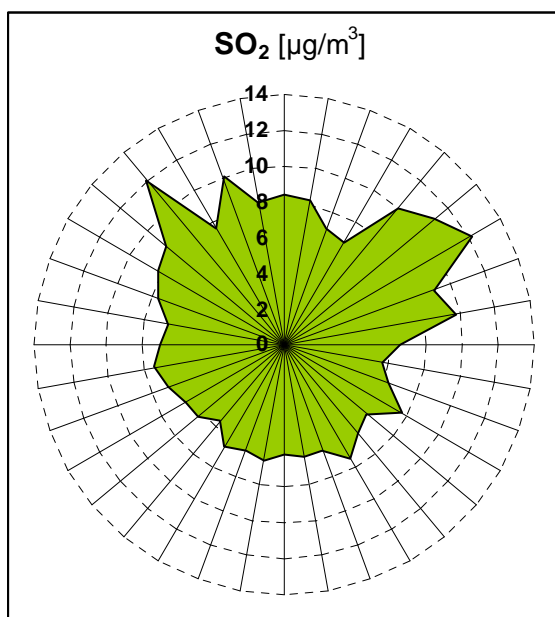
Mlynářka





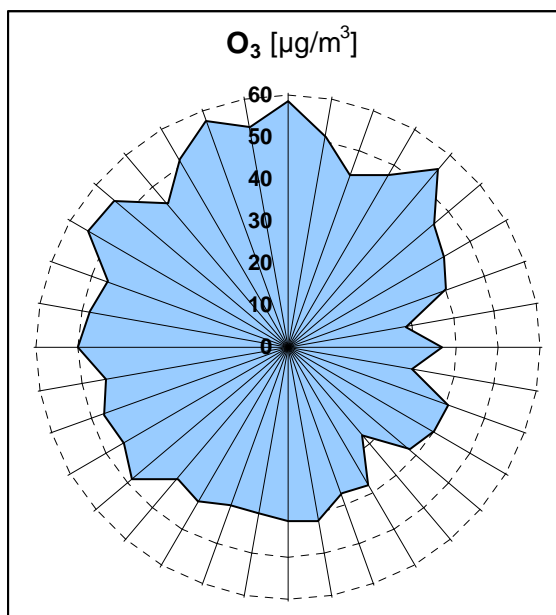
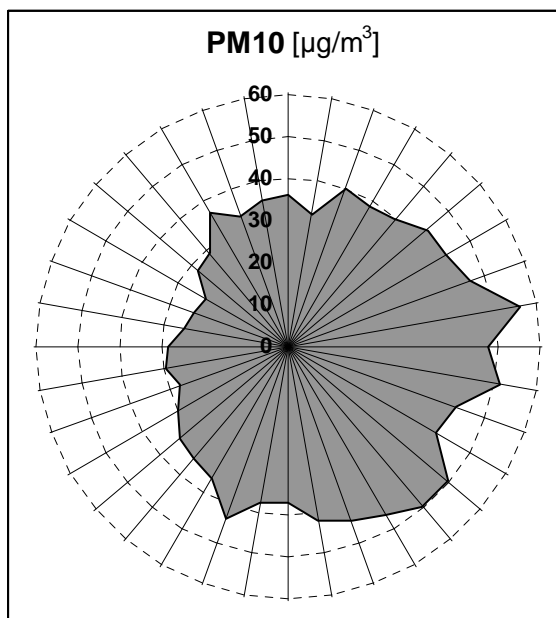
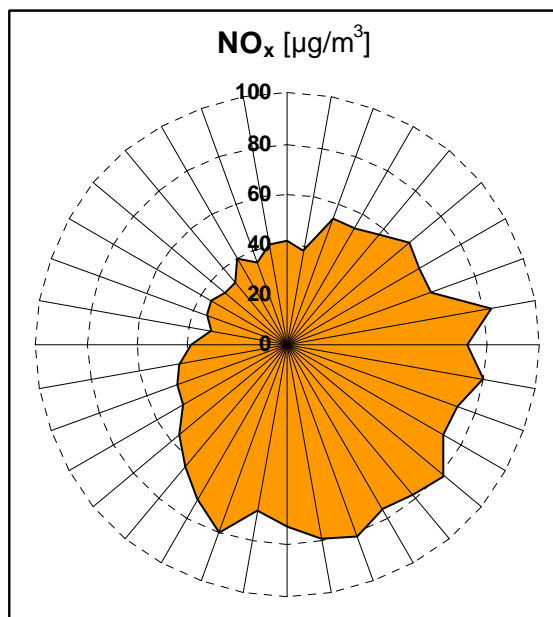
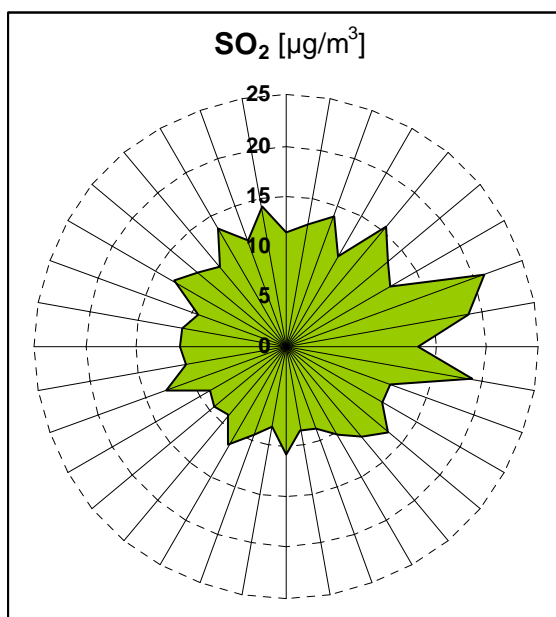
Příloha 3 - Závislost koncentrace škodlivin na směru větru (6/10)

Smíchov



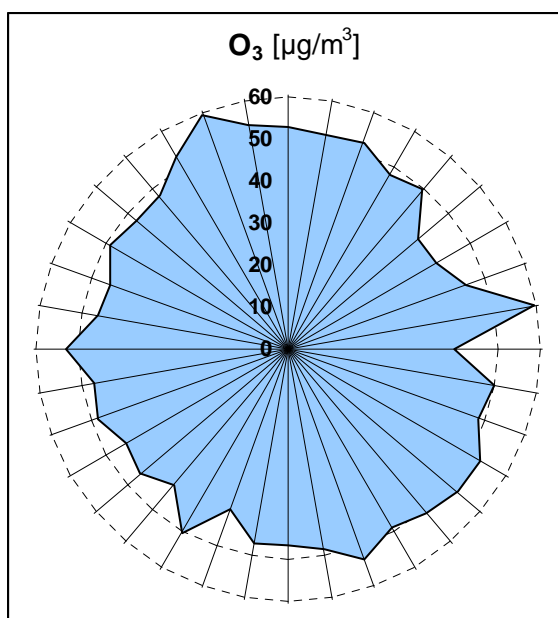
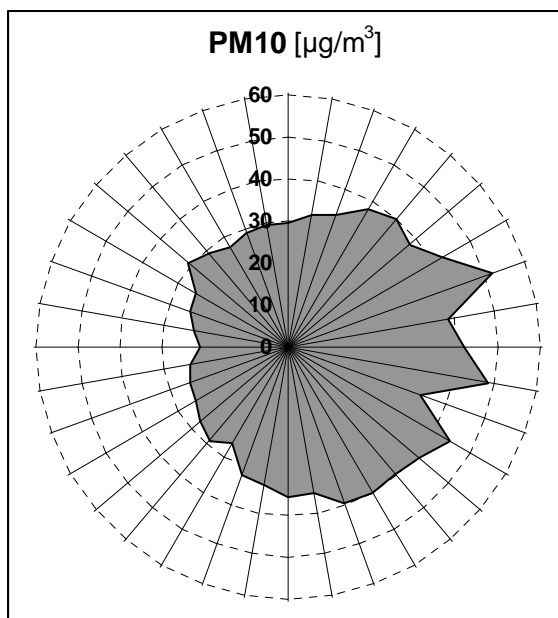
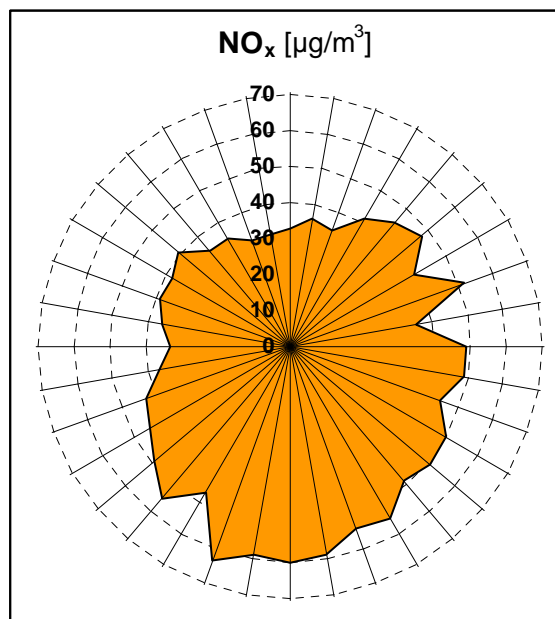
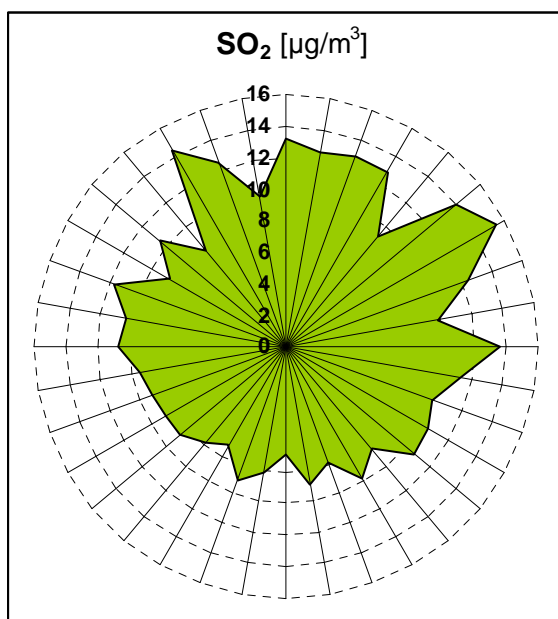
Příloha 3 - Závislost koncentrace škodlivin na směru větru (7/10)

Veleslavín



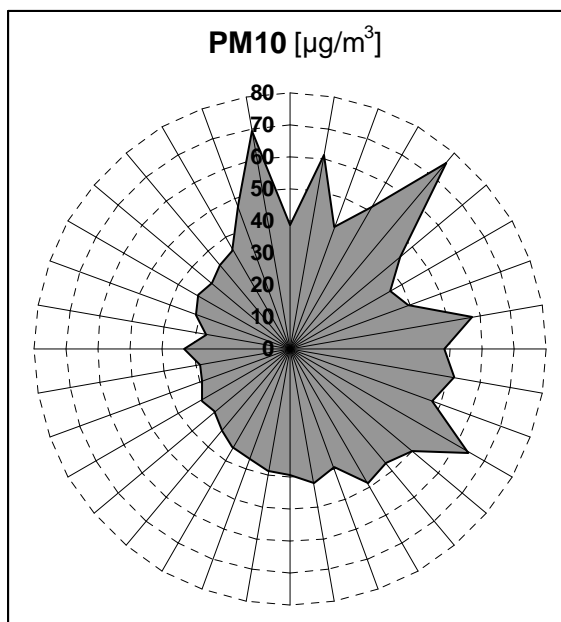
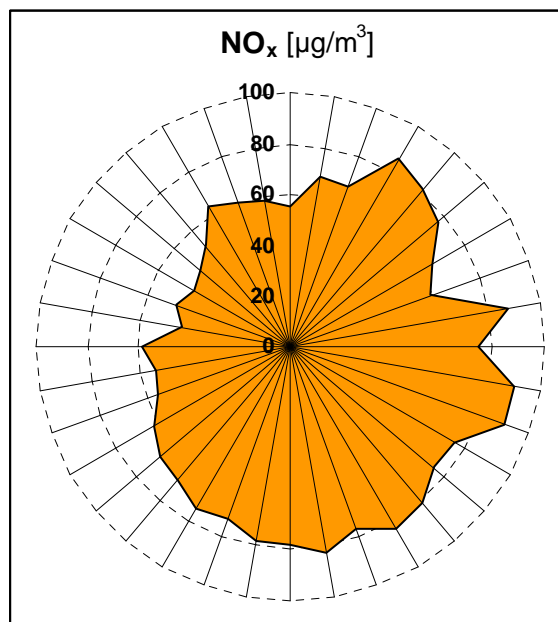
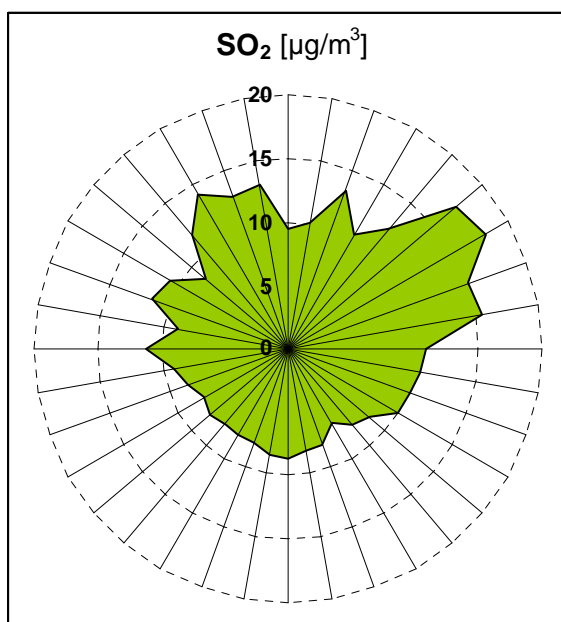
Příloha 3 - Závislost koncentrace škodlivin na směru větru (8/10)

Kobylisy



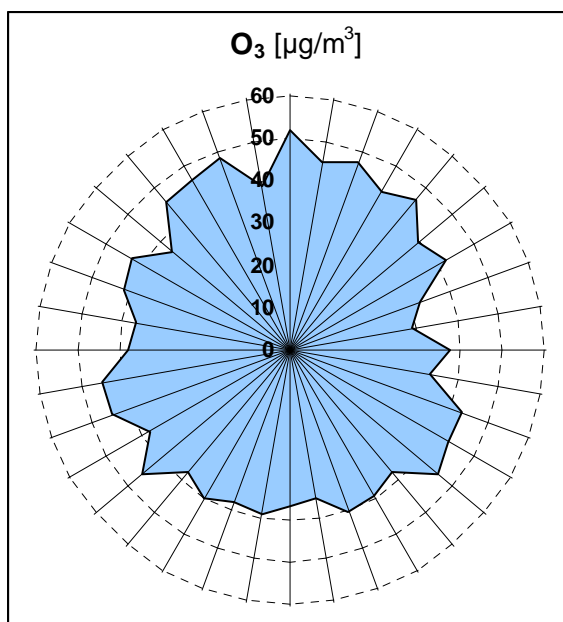
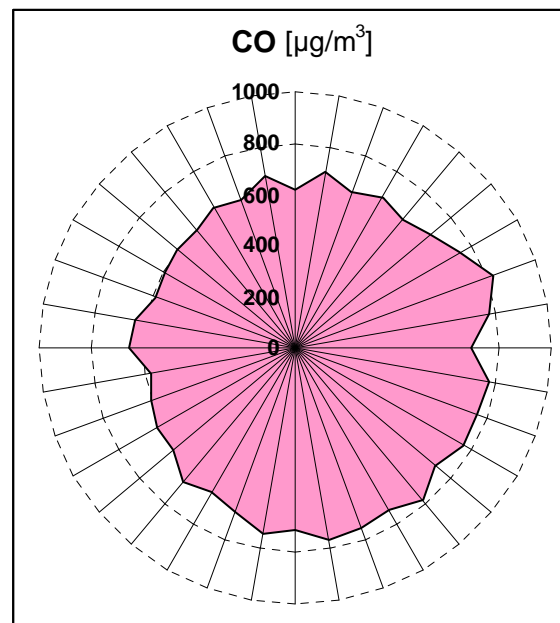
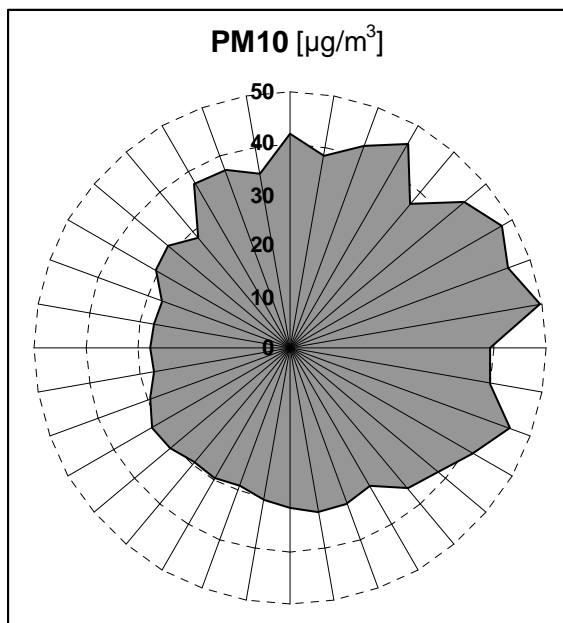
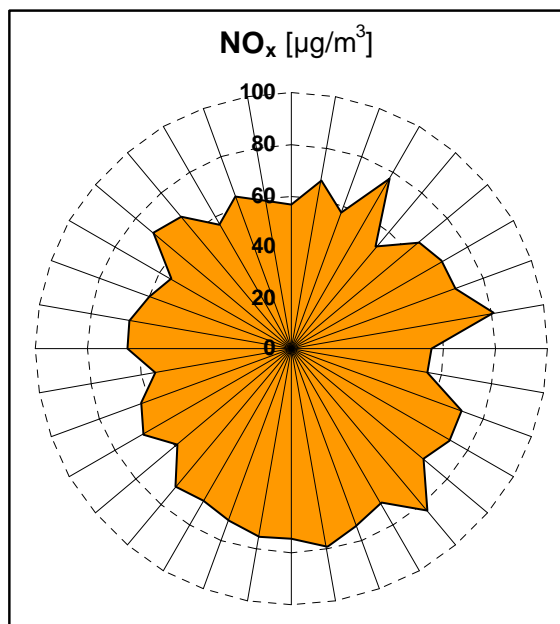
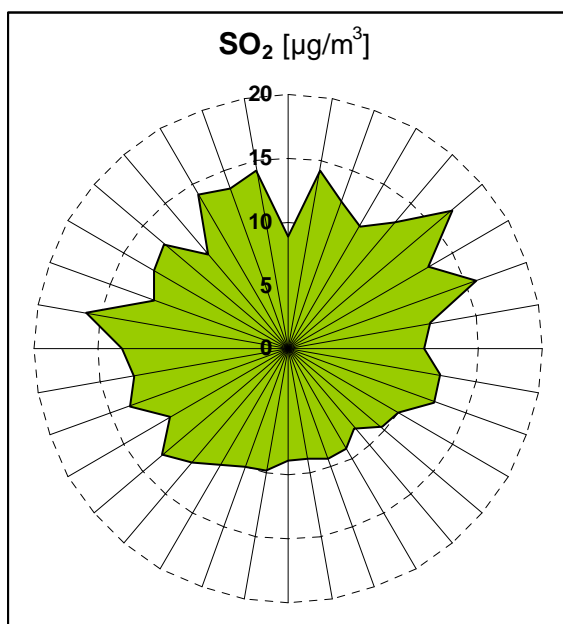
Příloha 3 - Závislost koncentrace škodlivin na směru větru (9/10)

Vršovice

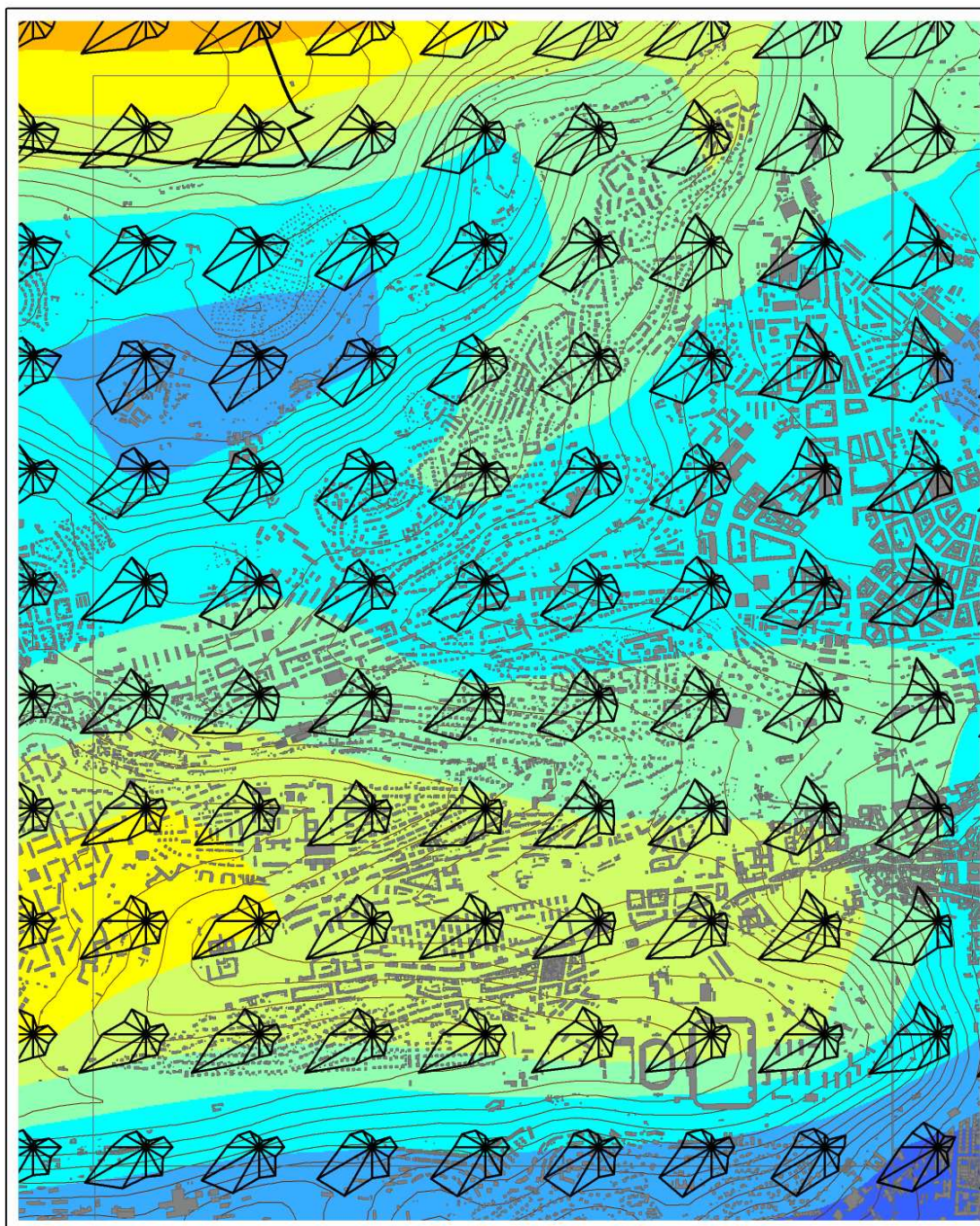


Příloha 3 - Závislost koncentrace škodlivin na směru větru (10/10)

Vysočany



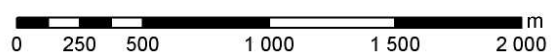
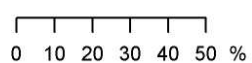
List 1A



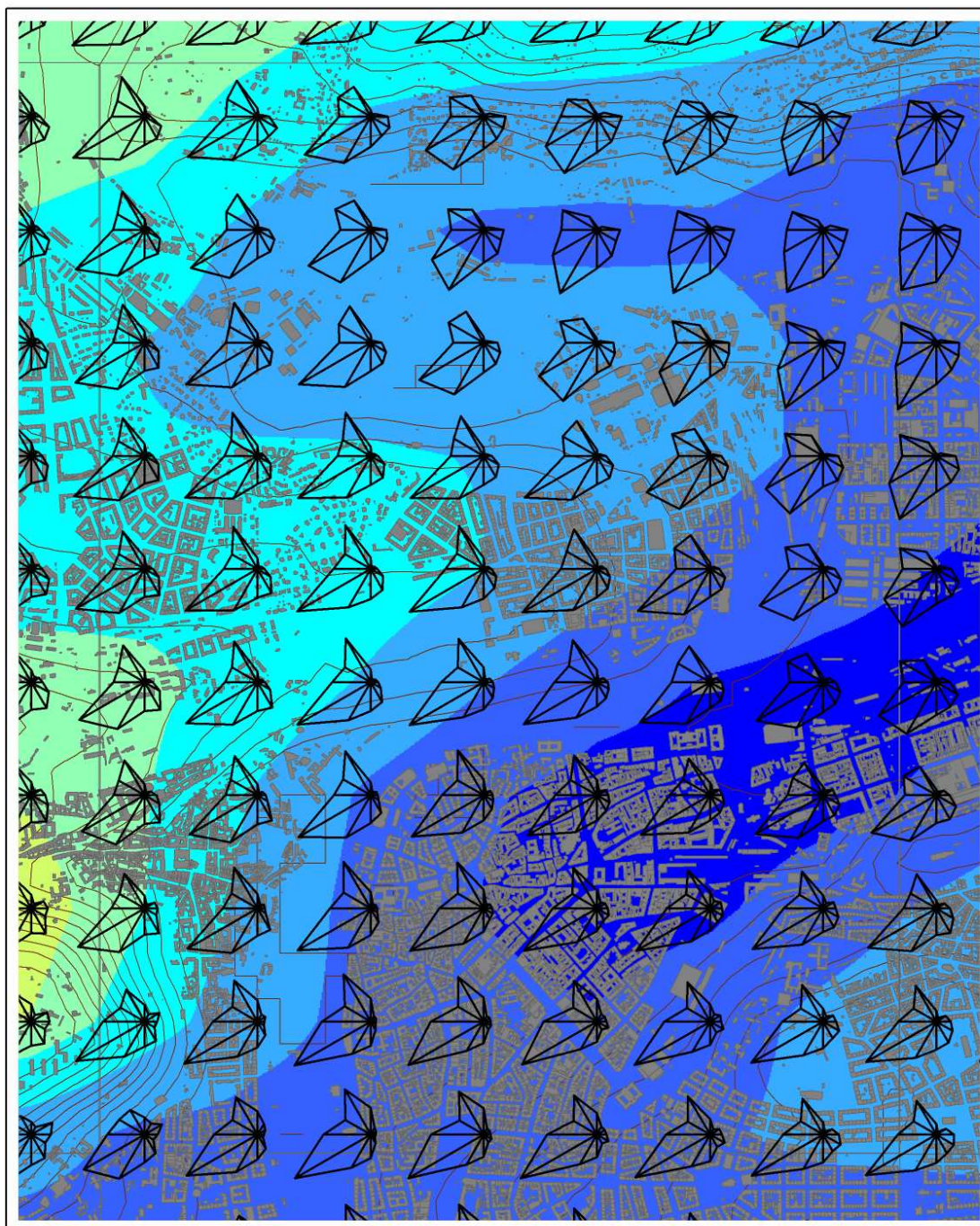
Průměrná rychlost větru [m/s]



Větrné růžice:



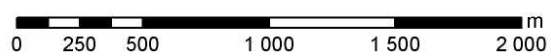
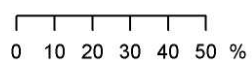
List 2A



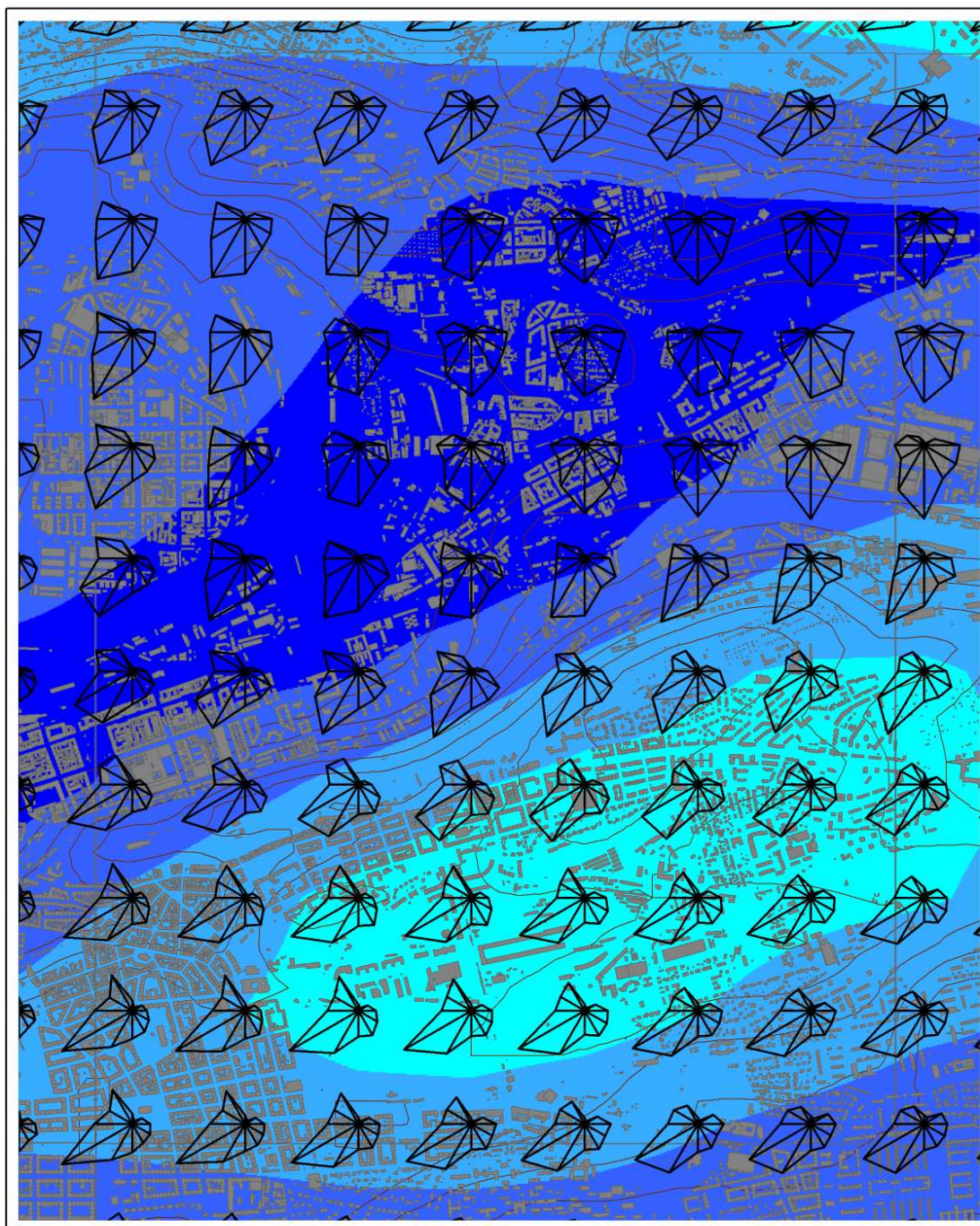
Průměrná rychlost větru [m/s]



Větrné růžice:



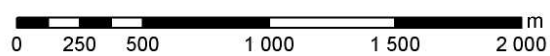
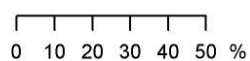
List 3A



Průměrná rychlost větru [m/s]

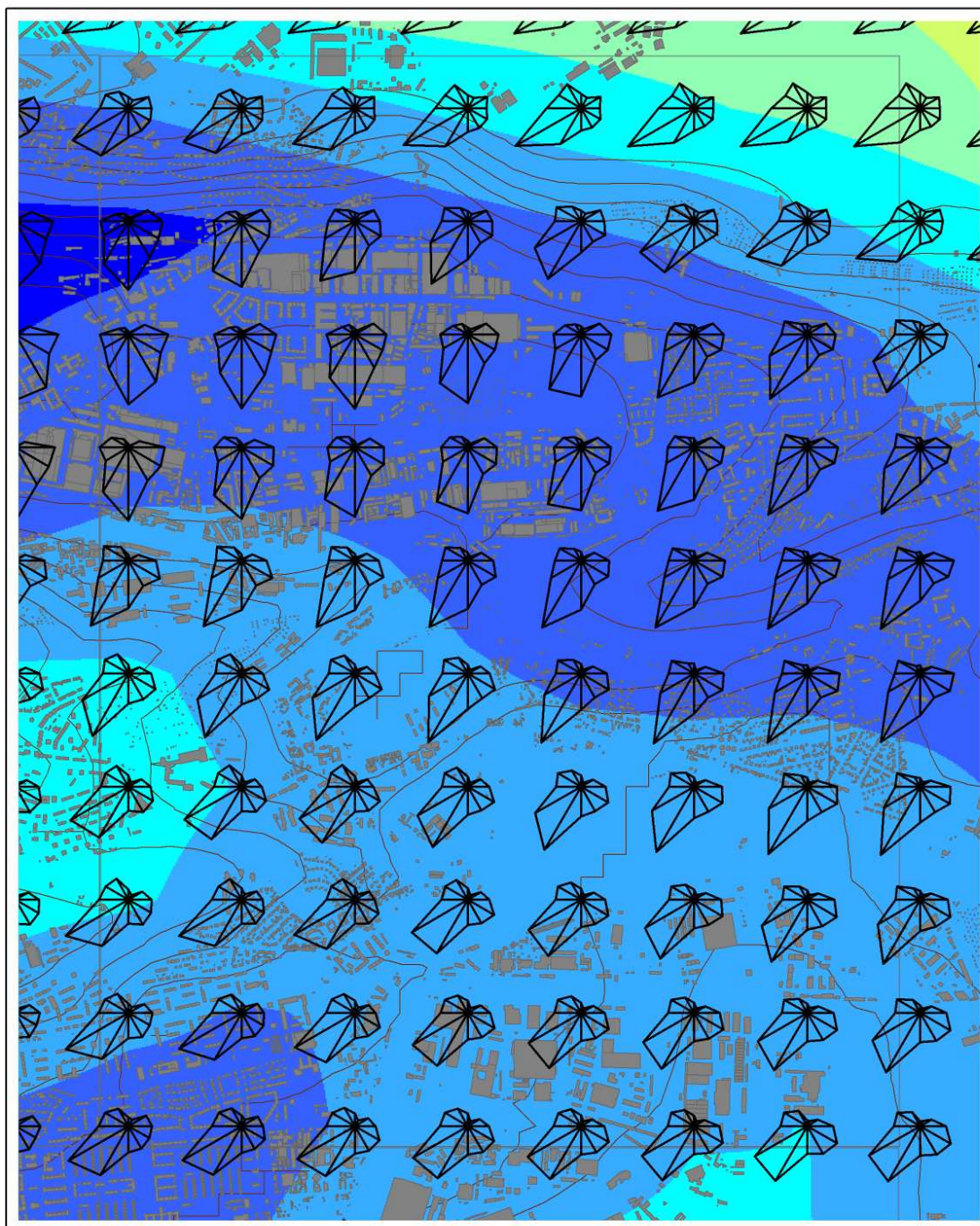


Větrné růžice:





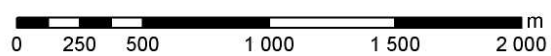
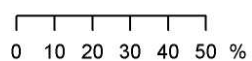
List 4A



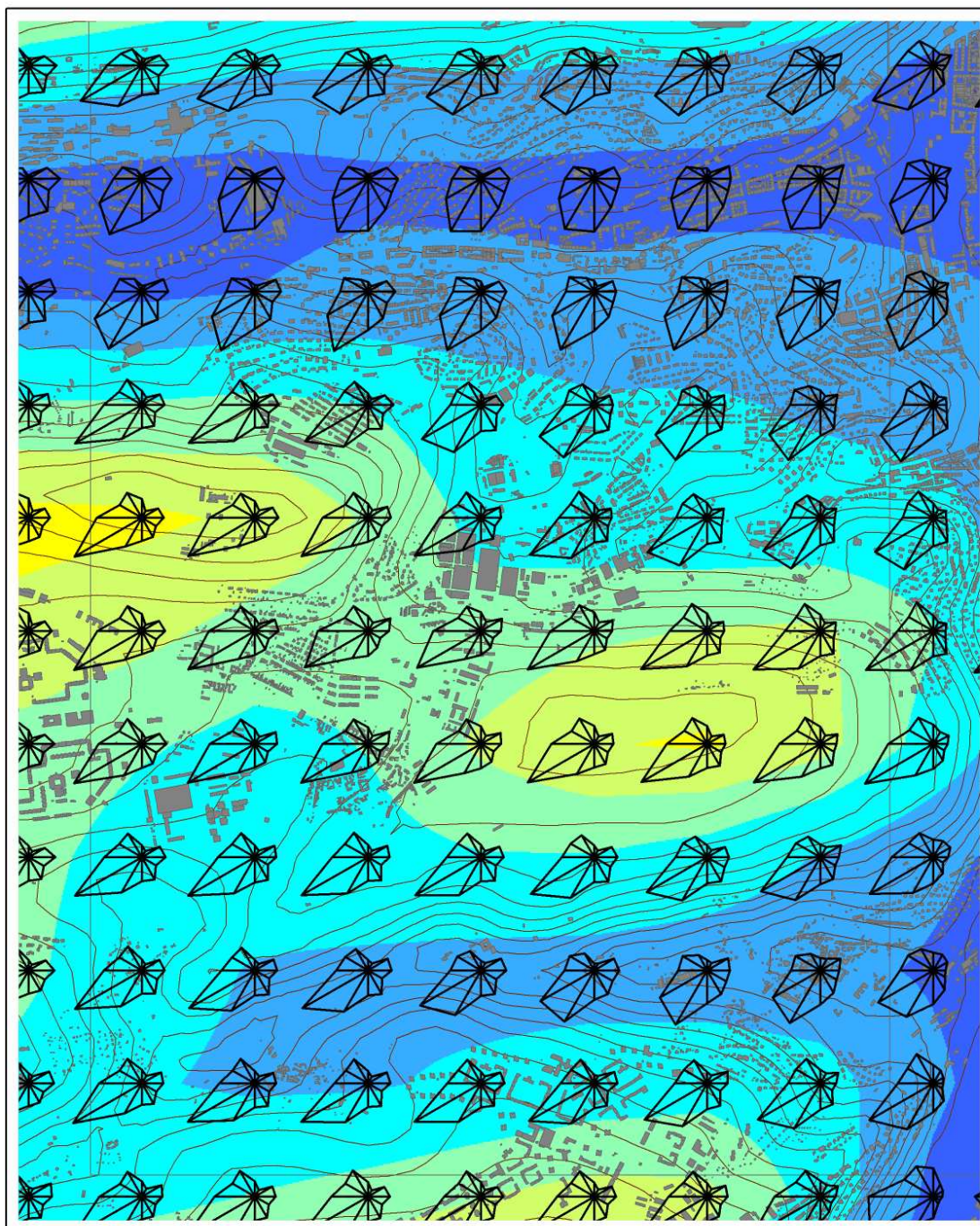
Průměrná rychlost větru [m/s]



Větrné růžice:



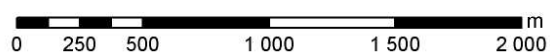
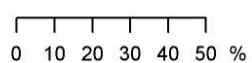
List 1B



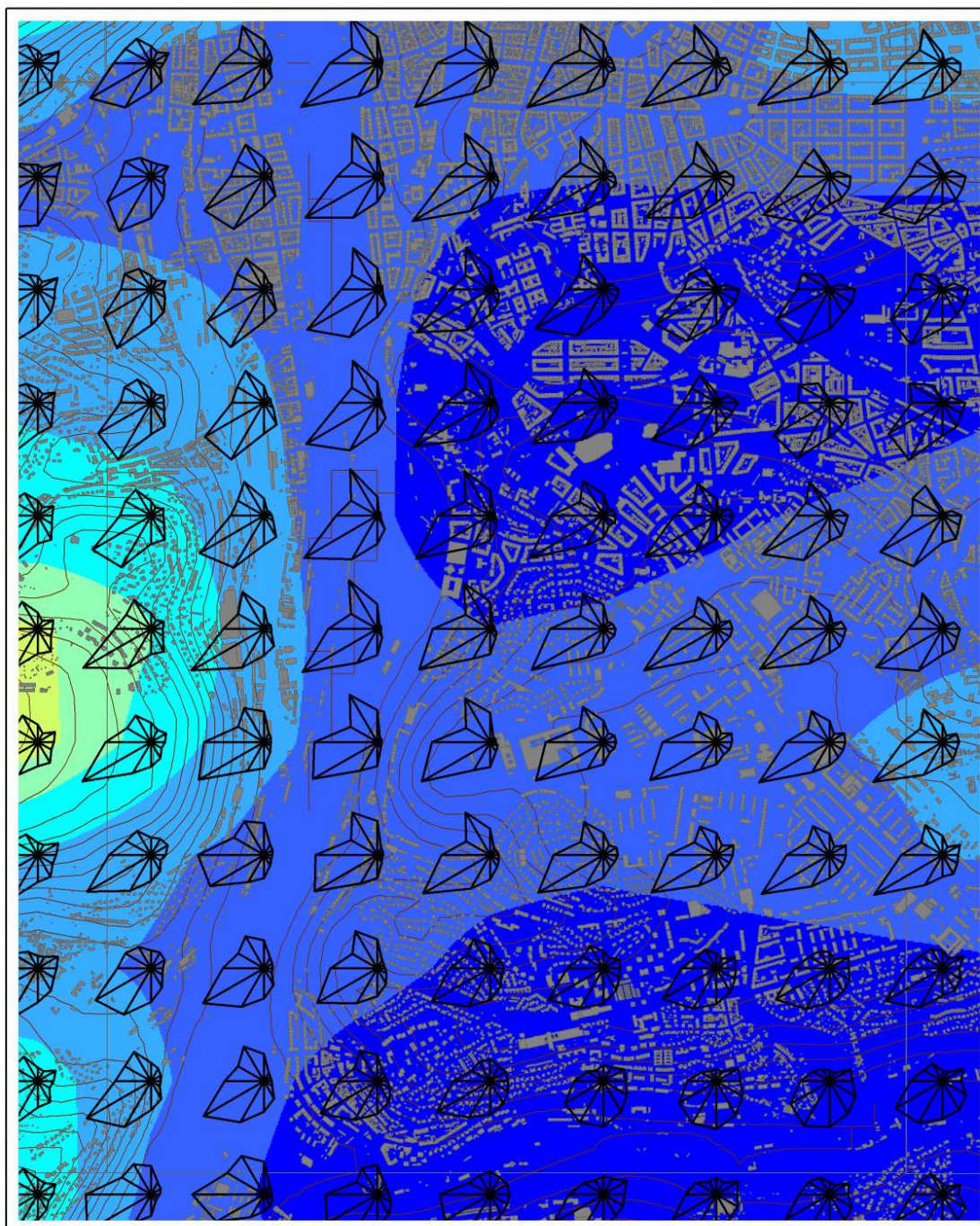
Průměrná rychlost větru [m/s]



Větrné růžice:



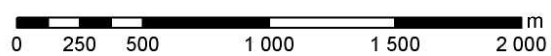
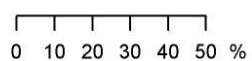
List 2B



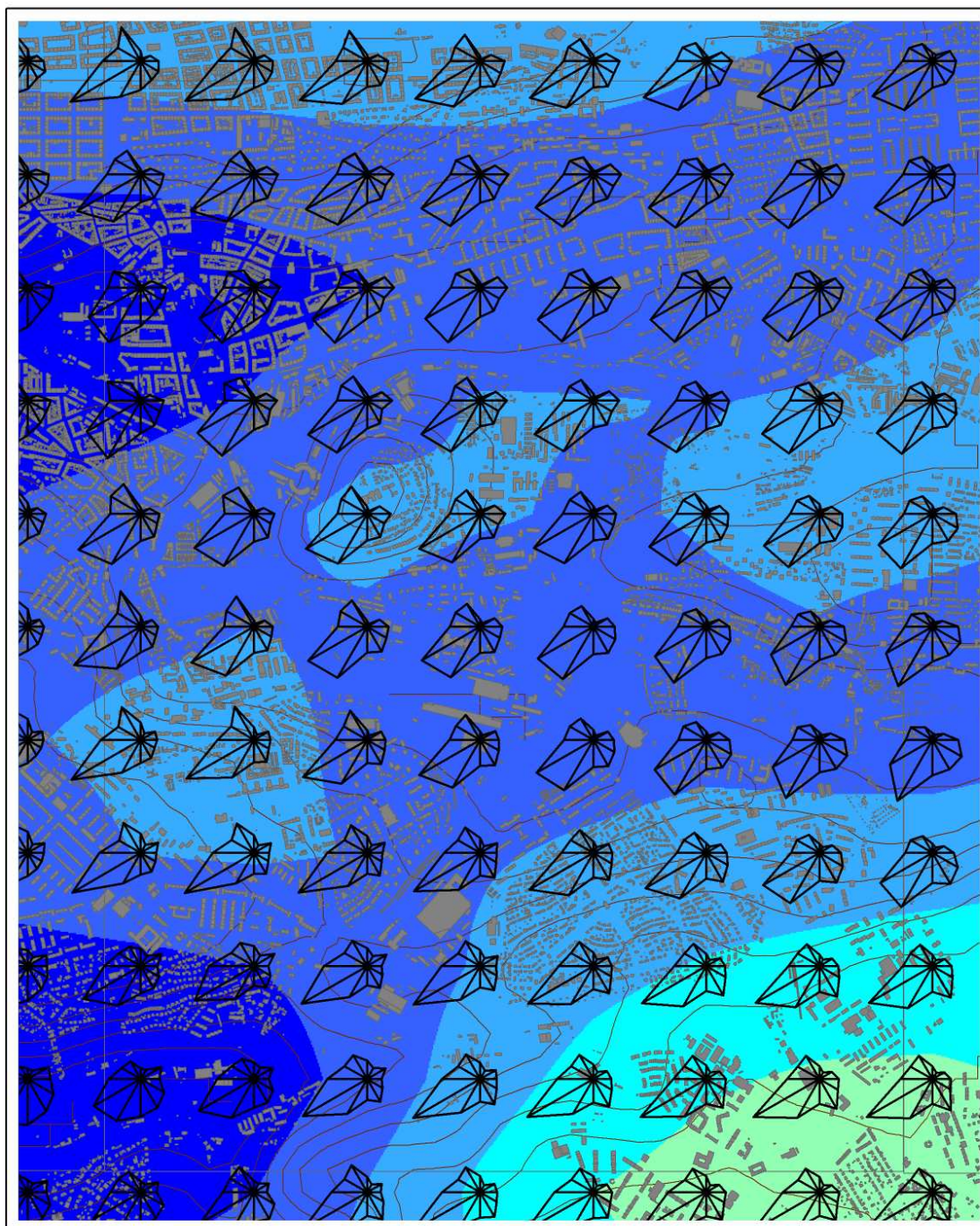
Průměrná rychlost větru [m/s]



Větrné růžice:



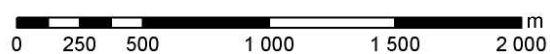
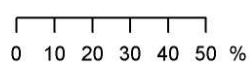
List 3B



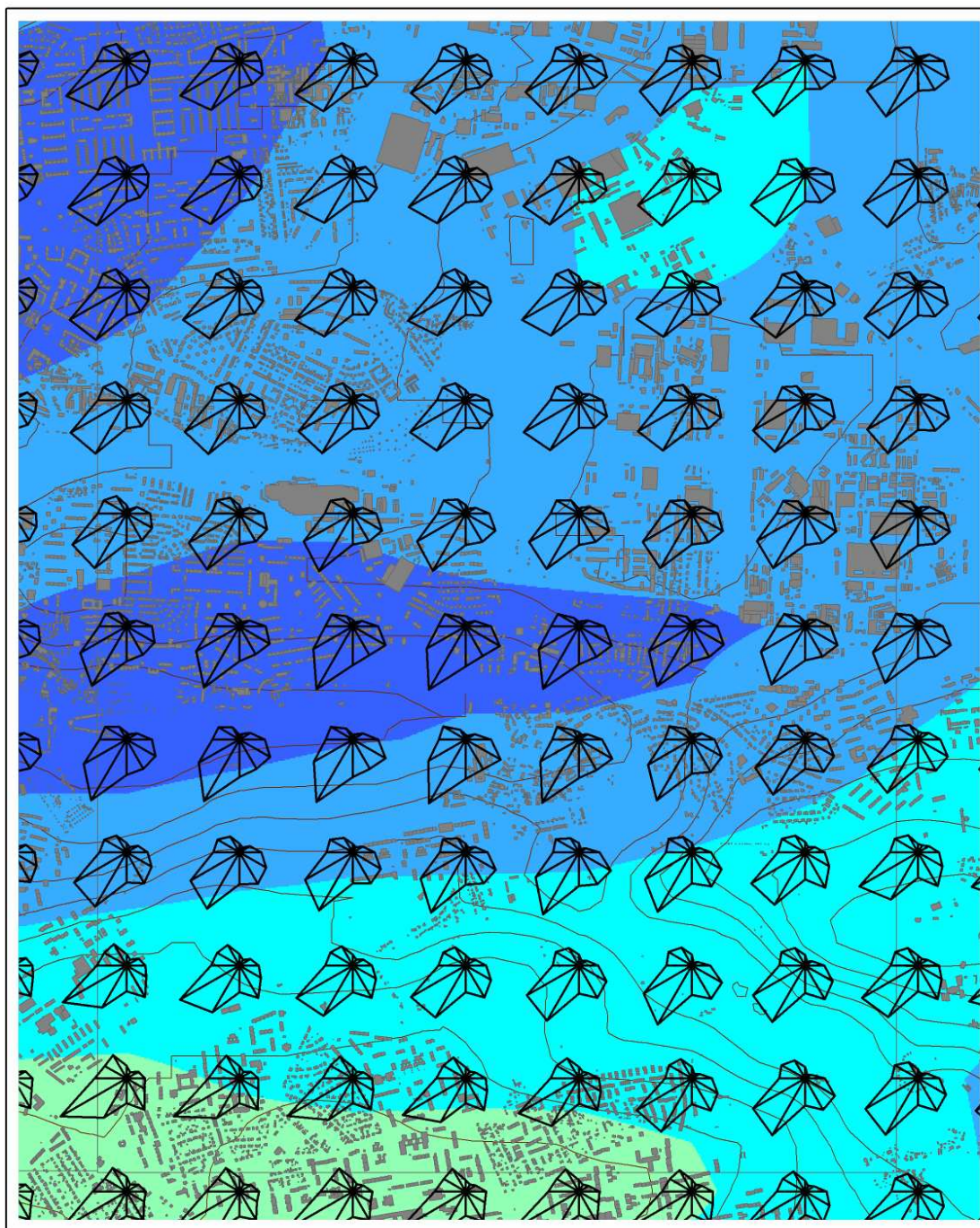
**Průměrná rychlost větru [m/s]**



**Větrné růžice:**



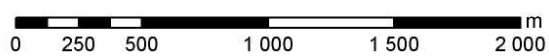
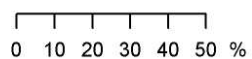
List 4B



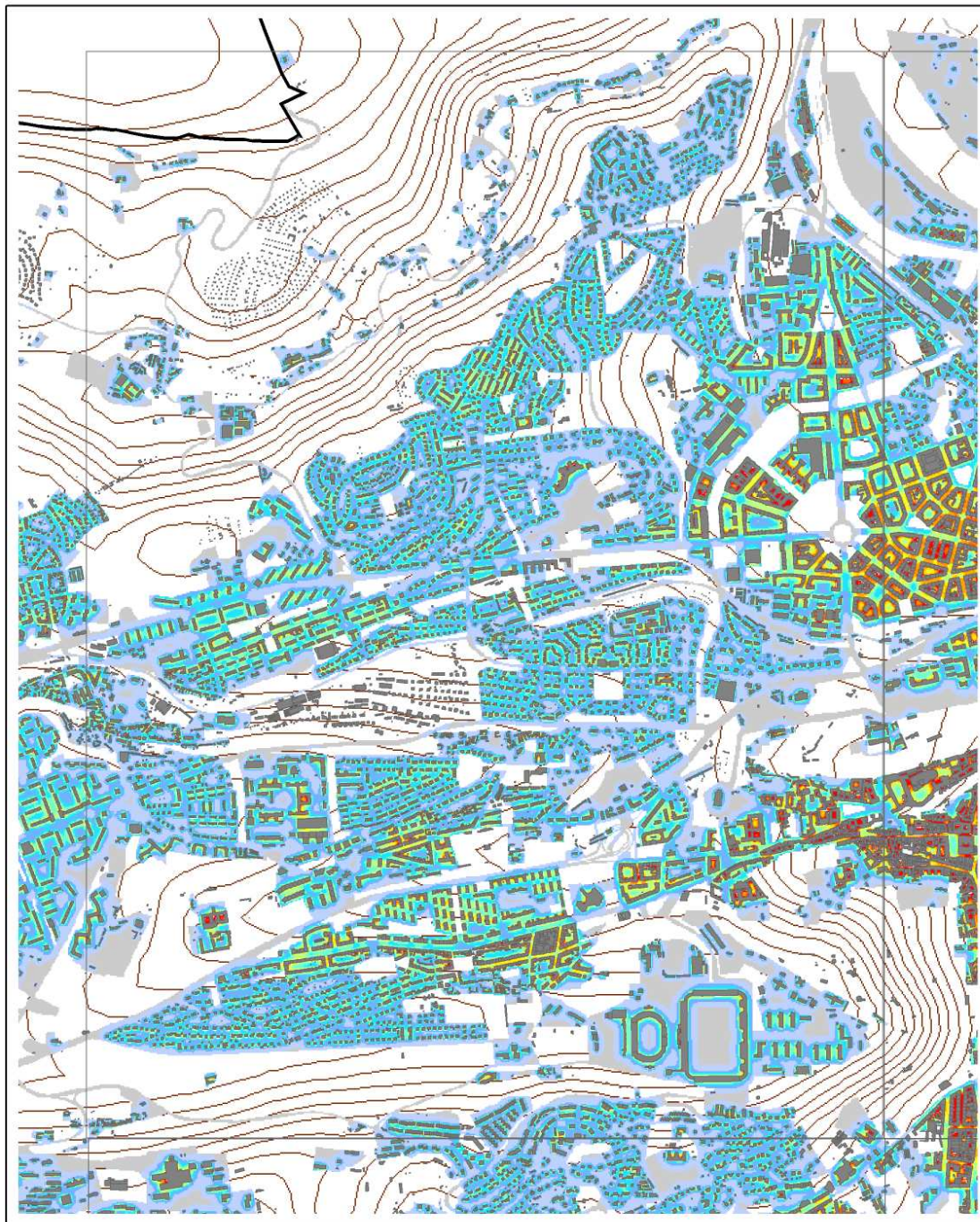
Průměrná rychlost větru [m/s]













Větrné růžice:

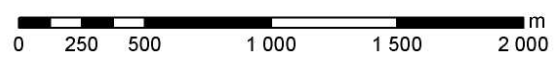


List 1A

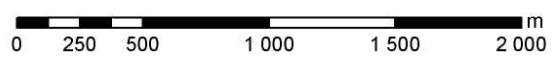
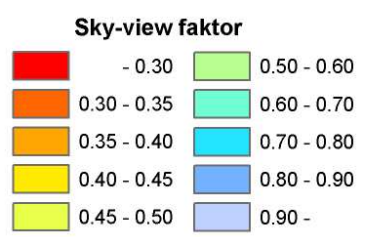
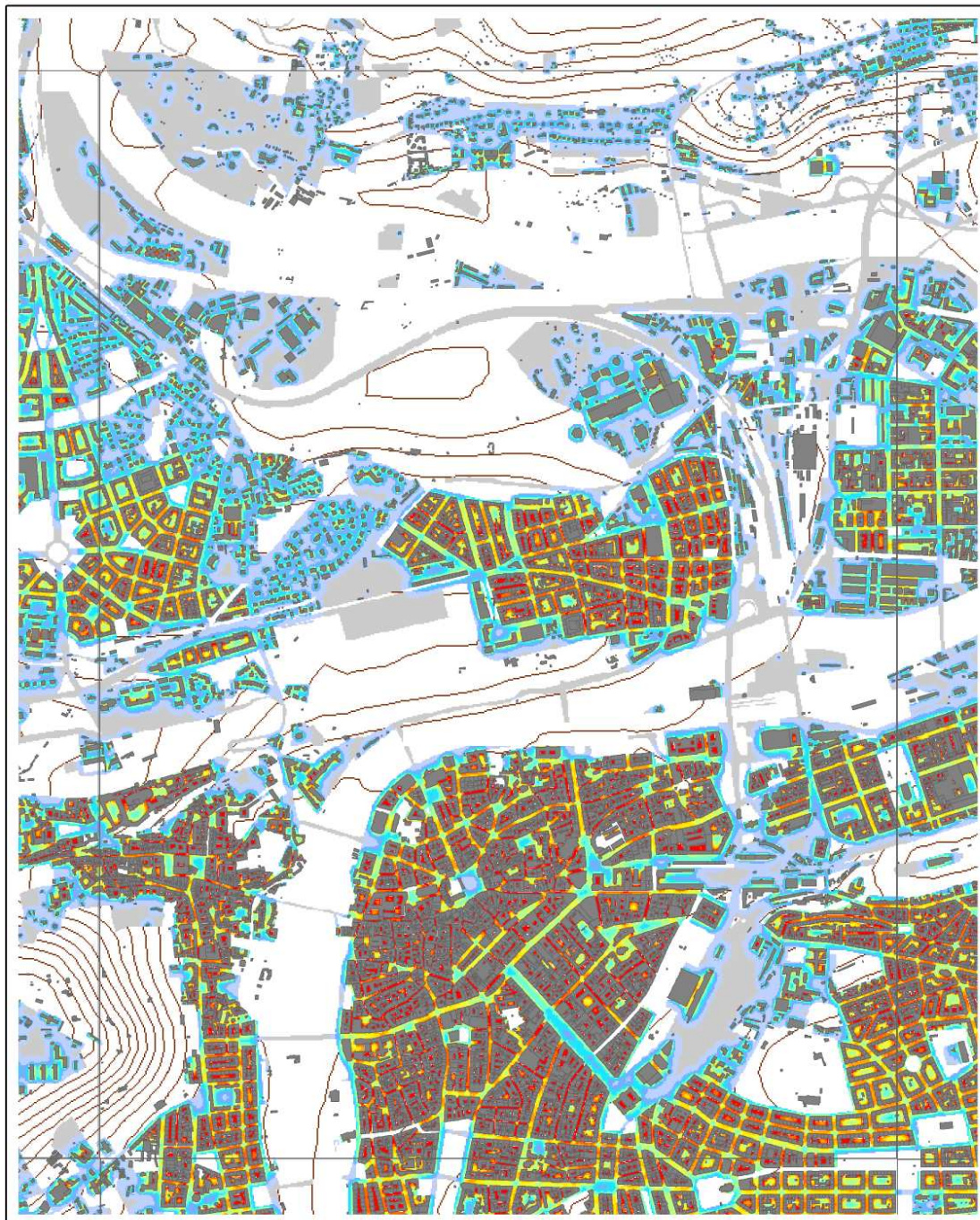


**Sky-view faktor**

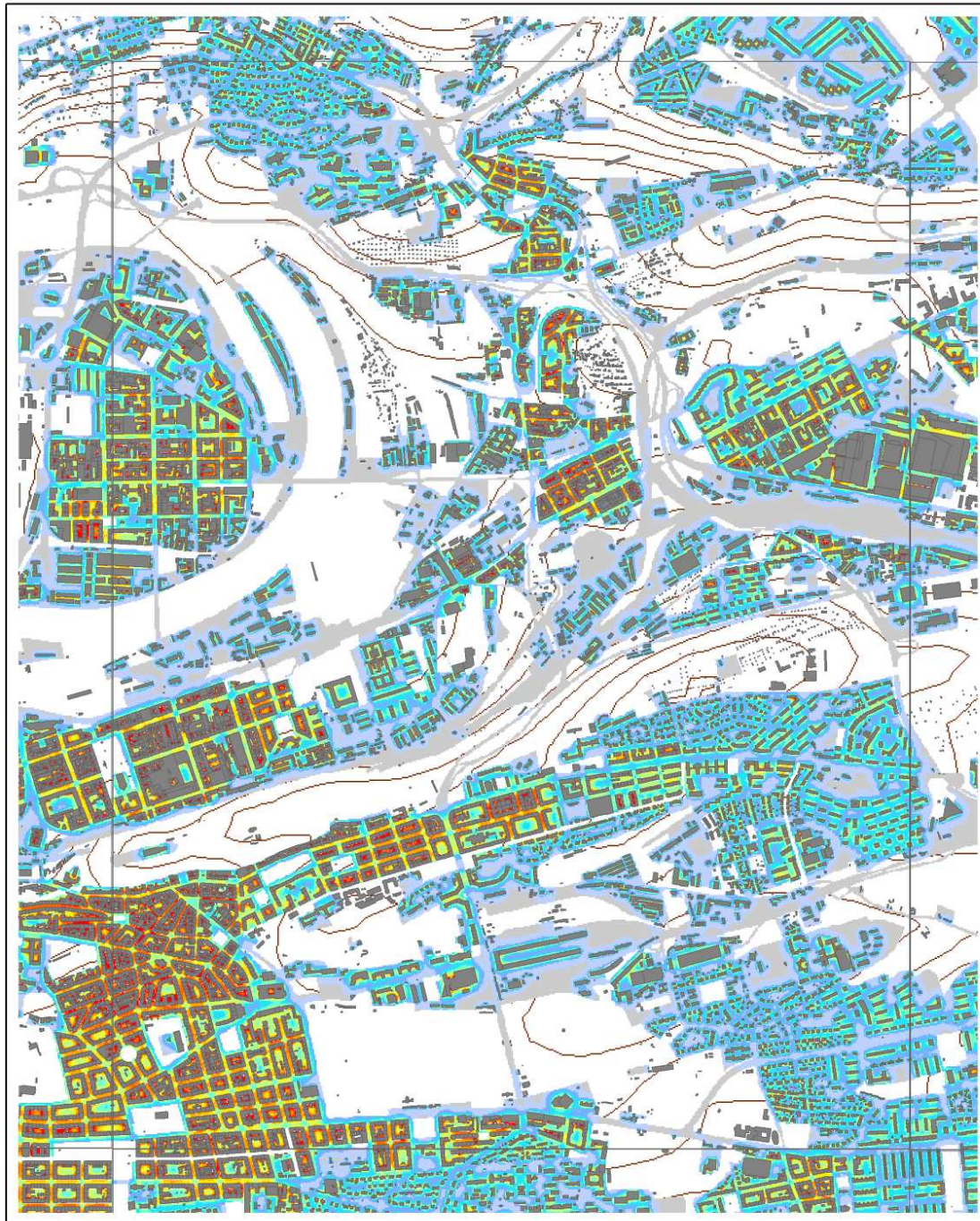
	- 0.30		0.50 - 0.60
	0.30 - 0.35		0.60 - 0.70
	0.35 - 0.40		0.70 - 0.80
	0.40 - 0.45		0.80 - 0.90
	0.45 - 0.50		0.90 -













List 2A

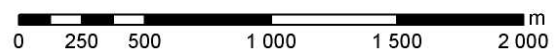


List 3A



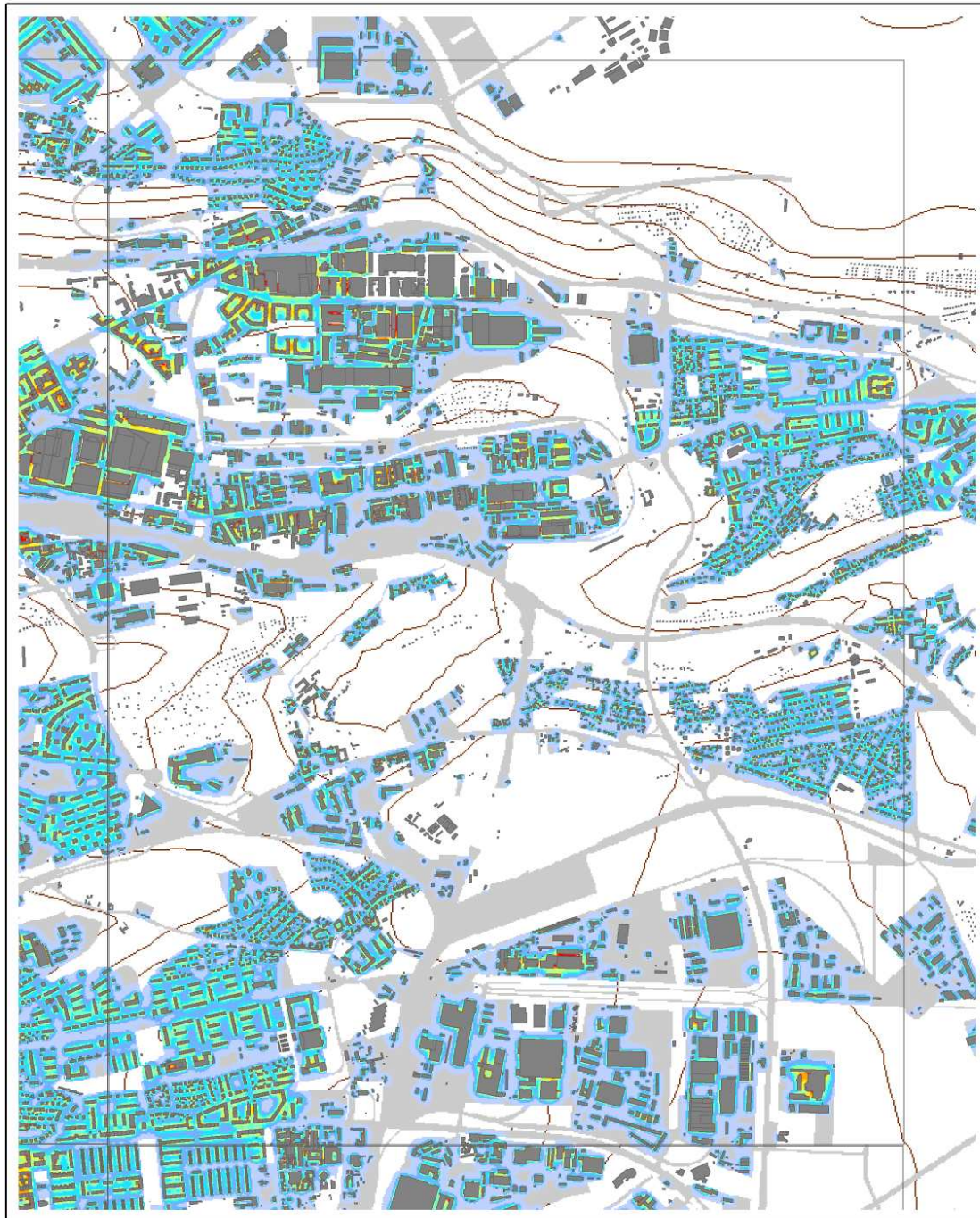
**Sky-view faktor**

	- 0.30		0.50 - 0.60
	0.30 - 0.35		0.60 - 0.70
	0.35 - 0.40		0.70 - 0.80
	0.40 - 0.45		0.80 - 0.90
	0.45 - 0.50		0.90 -













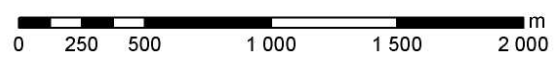


List 4A

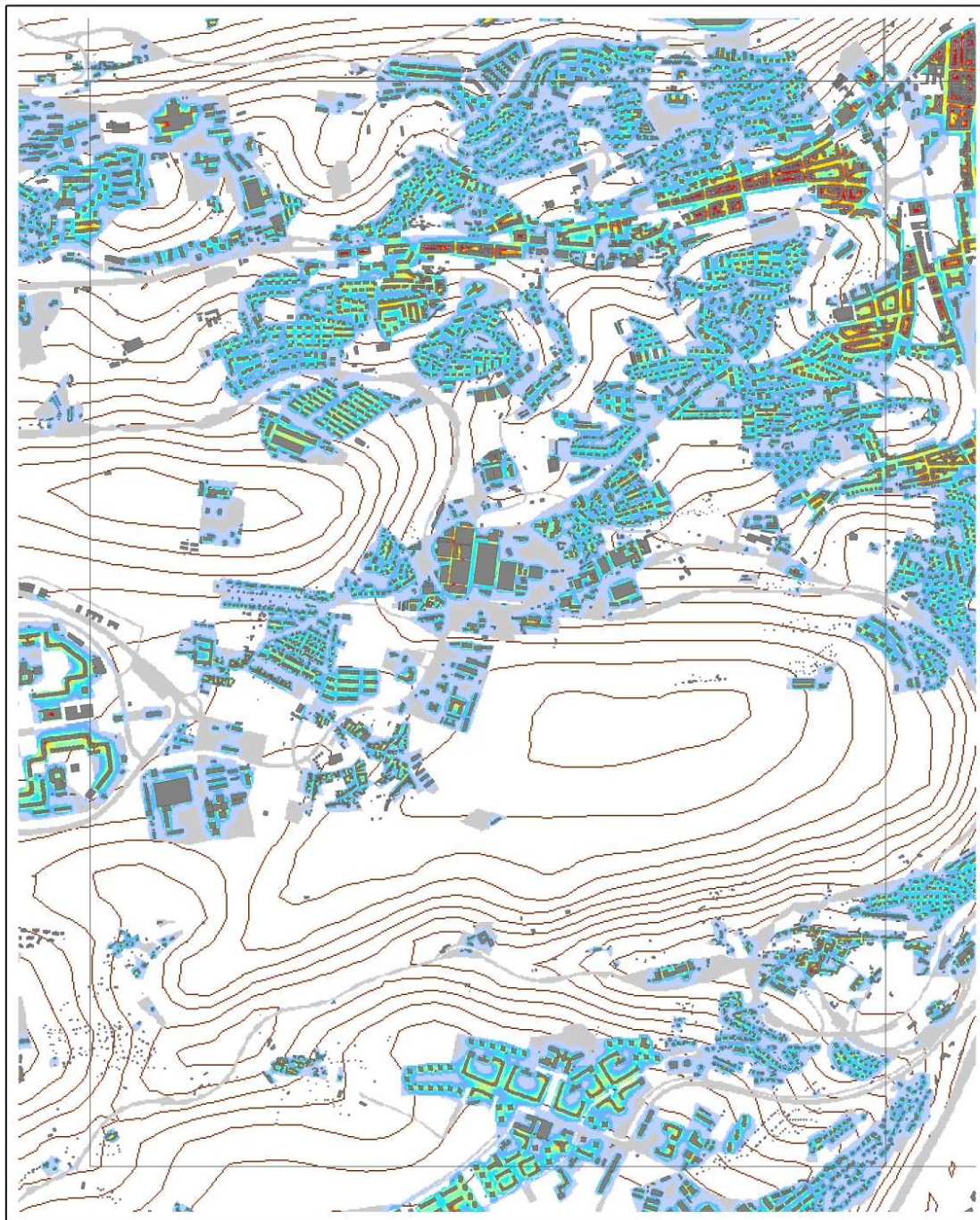


**Sky-view faktor**











	- 0.30		0.50 - 0.60
	0.30 - 0.35		0.60 - 0.70
	0.35 - 0.40		0.70 - 0.80
	0.40 - 0.45		0.80 - 0.90
	0.45 - 0.50		0.90 -



List 1B

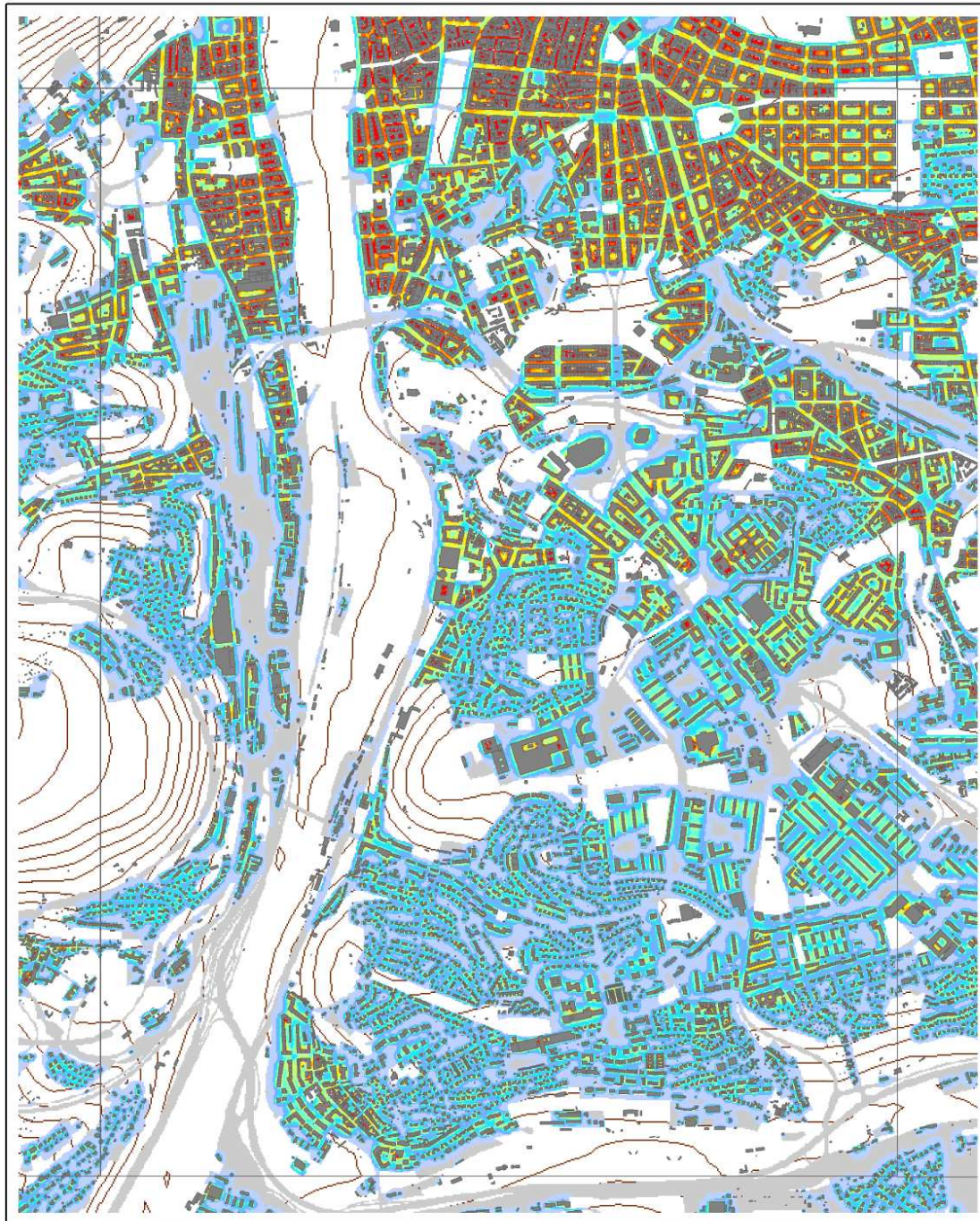


**Sky-view faktor**

	- 0.30		0.50 - 0.60
	0.30 - 0.35		0.60 - 0.70
	0.35 - 0.40		0.70 - 0.80
	0.40 - 0.45		0.80 - 0.90
	0.45 - 0.50		0.90 -

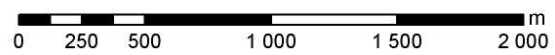
0 250 500 1 000 1 500 2 000 m

List 2B



**Sky-view faktor**











Red	- 0.30	Light Green	0.50 - 0.60
Orange	0.30 - 0.35	Medium Green	0.60 - 0.70
Yellow-Orange	0.35 - 0.40	Cyan	0.70 - 0.80
Yellow	0.40 - 0.45	Blue	0.80 - 0.90
Light Yellow	0.45 - 0.50	Light Blue	0.90 -

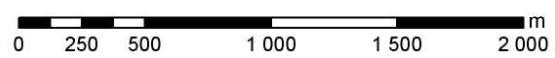


List 3B

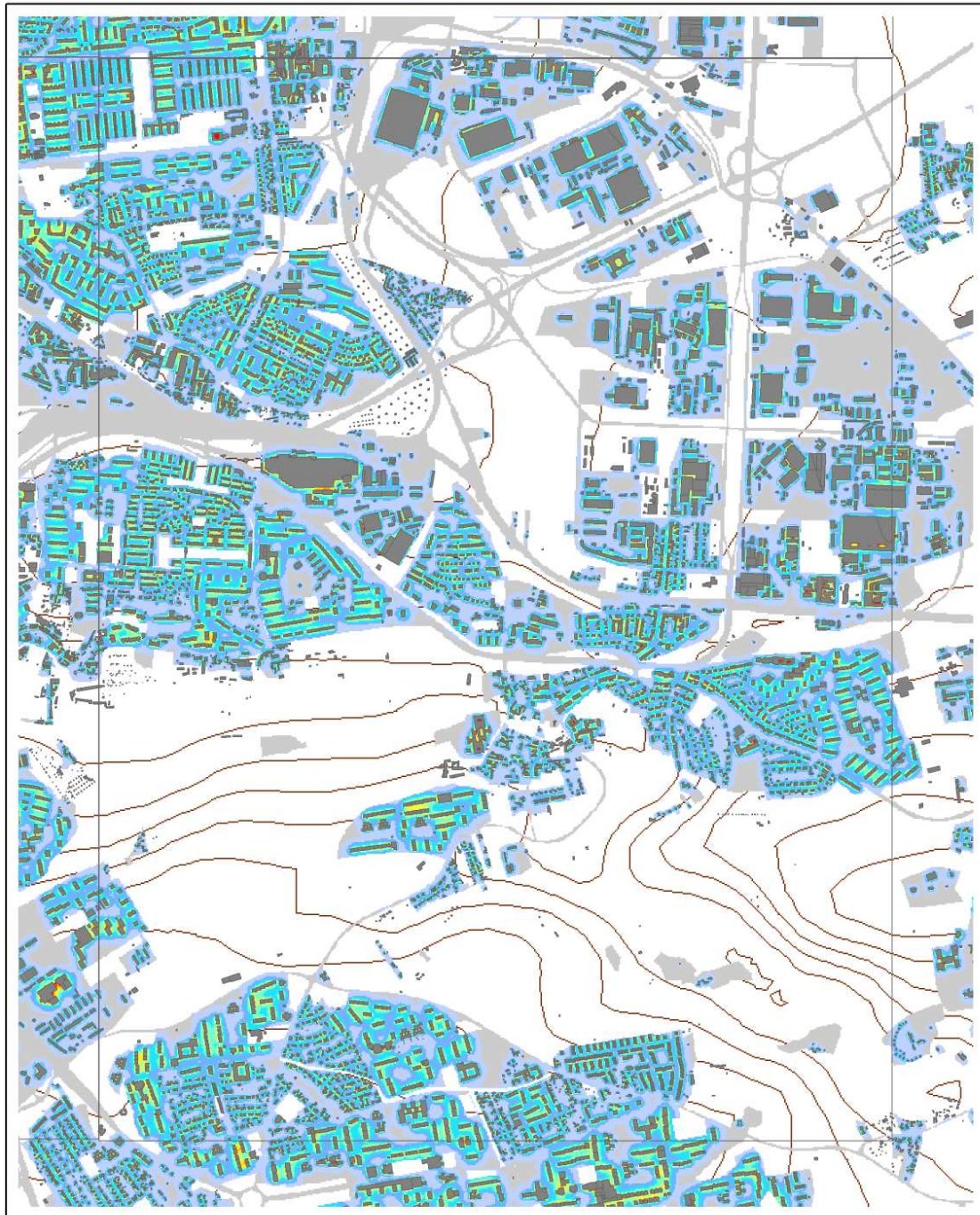


**Sky-view faktor**

	- 0.30		0.50 - 0.60
	0.30 - 0.35		0.60 - 0.70
	0.35 - 0.40		0.70 - 0.80
	0.40 - 0.45		0.80 - 0.90
	0.45 - 0.50		0.90 -



List 4B



**Sky-view faktor**

