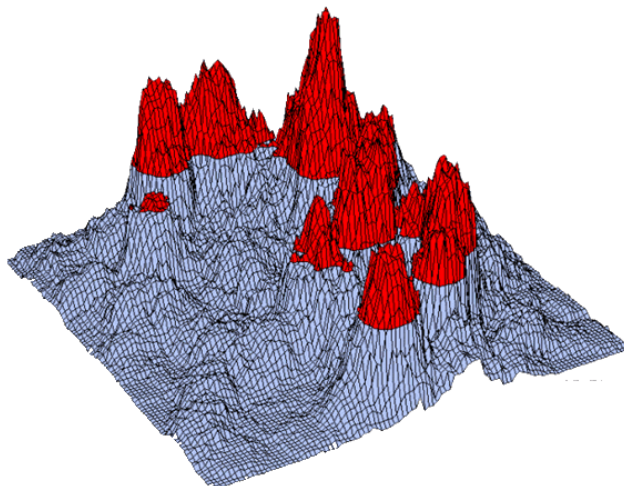
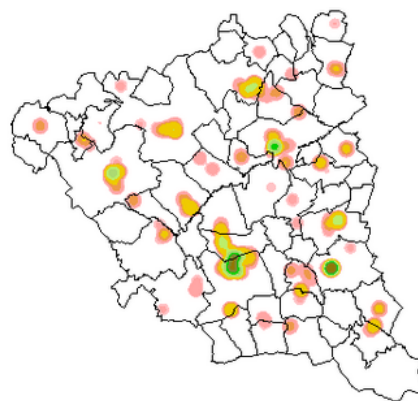


# SOCIÁLNÍ POVRCHY



[http://www.innovativegis.com/basis/BeyondMappingSeries/BeyondMapping\\_IV/Topic7/BM\\_IV\\_T7.htm](http://www.innovativegis.com/basis/BeyondMappingSeries/BeyondMapping_IV/Topic7/BM_IV_T7.htm)



[http://gis.vsb.cz/gacr\\_pan/Clanky/EkRevue.html](http://gis.vsb.cz/gacr_pan/Clanky/EkRevue.html)



Pavla Dědková



StatGis Team

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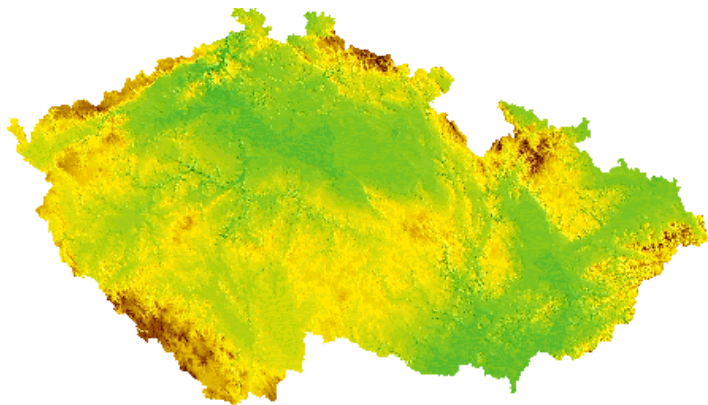


# Struktura prezentace

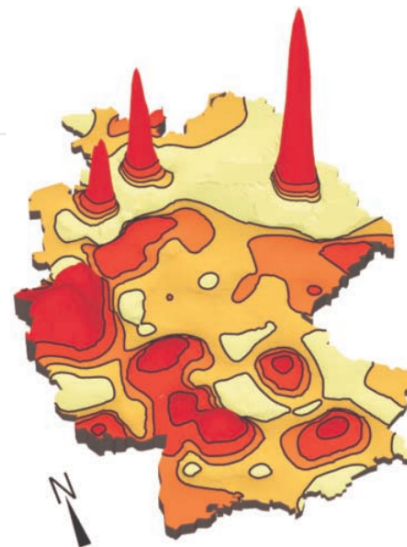
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- Povrch
- Sociální povrchy
- Datová struktura
- Příklady

# POVRCH



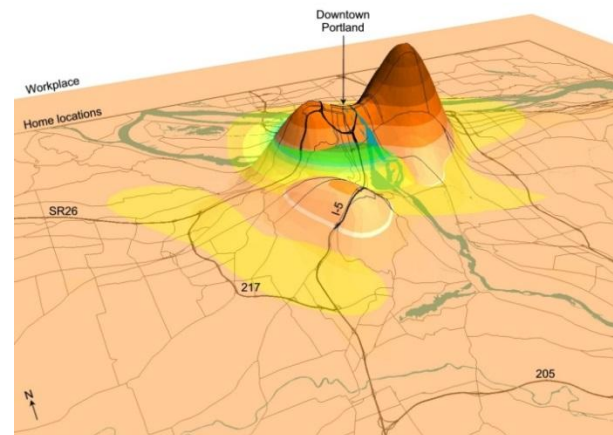
<http://www.gisat.cz/content/cz/produkty/digitalni-model-terenu>



<http://www.wdrase.de/JournalPycno.pdf>

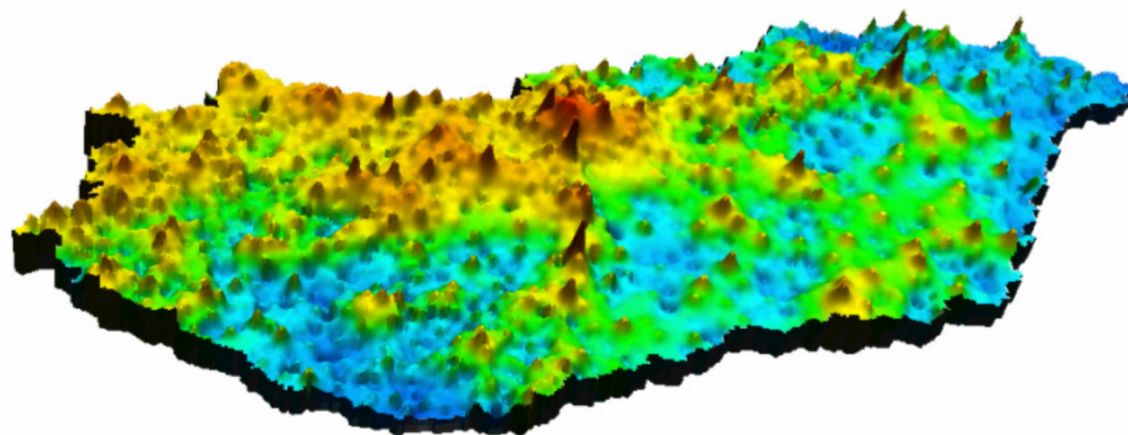
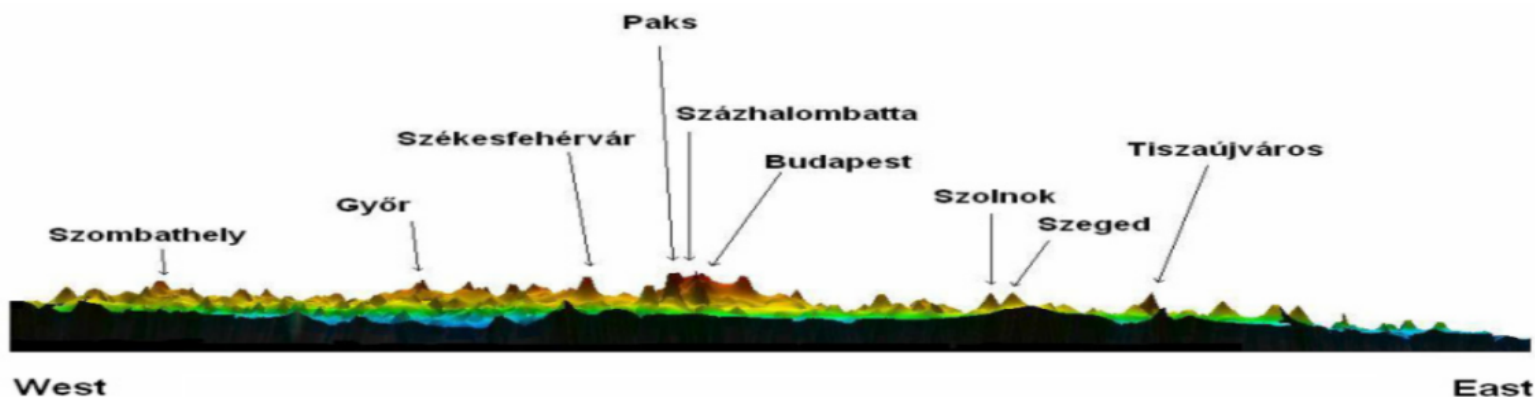


<http://www.gisportal.cz/2011/10/nasa-a-meti-uvojnili-2-verzi-globalniho-vyskoveho-modelu-aster-gdem/>



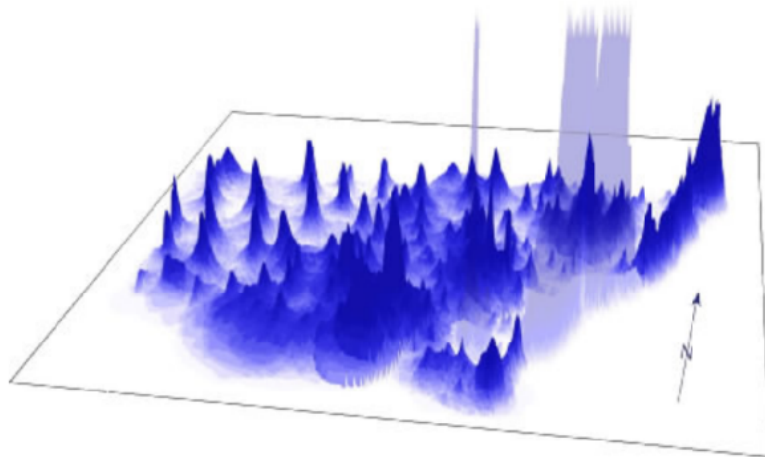
<http://www.meipokwan.org/Gallery/Density.htm>

# SOCIÁLNÍ POVRCHY



[http://lazarus.inf.elte.hu/hun/digkonyv/sc/sc13/24akos\\_jakobi.pdf](http://lazarus.inf.elte.hu/hun/digkonyv/sc/sc13/24akos_jakobi.pdf)

# CO LZE MODELOVAT



<http://home.newcastle.edu.au/Resources/Schools/Newcastle%20Business%20School/APSA/PanelFederalism/Brunckhorst-David-and-Reeve-Ian.pdf>

Hustota  
zaměstnanců ve  
firmách

Cestovní aktivity

Rozmístění  
populace

Ekonomická  
aktivita

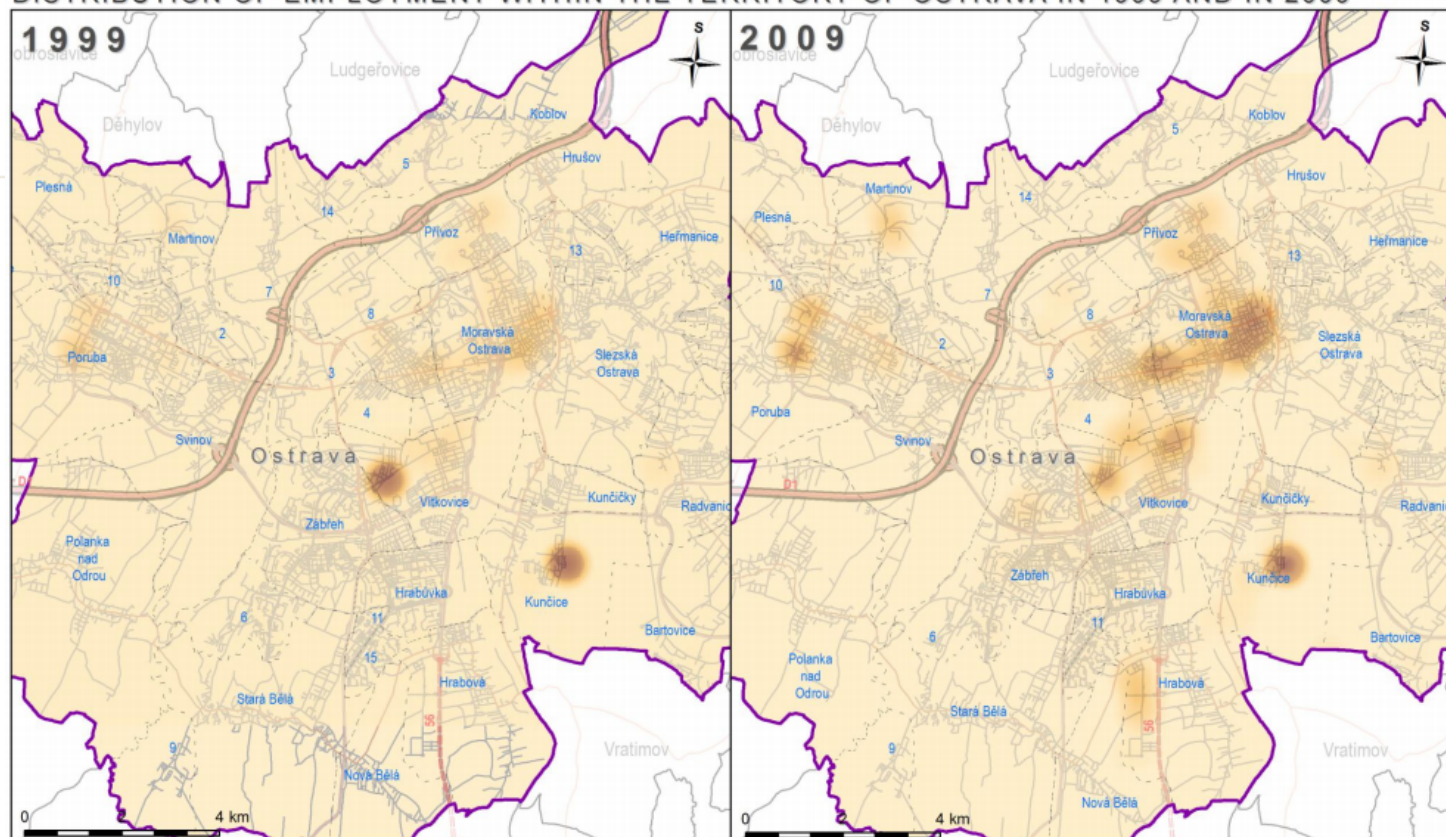
Příjem obyvatel

Hustota  
zákazníků



# ROZLOŽENÍ ZAMĚSTNANOSTI V OSTRAVĚ V LETECH 1999 A 2009

## DISTRIBUTION OF EMPLOYMENT WITHIN THE TERRITORY OF OSTRAVA IN 1999 AND IN 2009



INTENZITA ZAMĚSTNANOSTI VE 3D  
INTENSITY OF EMPLOYMENT IN 3D

1999



INTENZITA ZAMĚSTNANOSTI VE 3D  
INTENSITY OF EMPLOYMENT IN 3D

2009



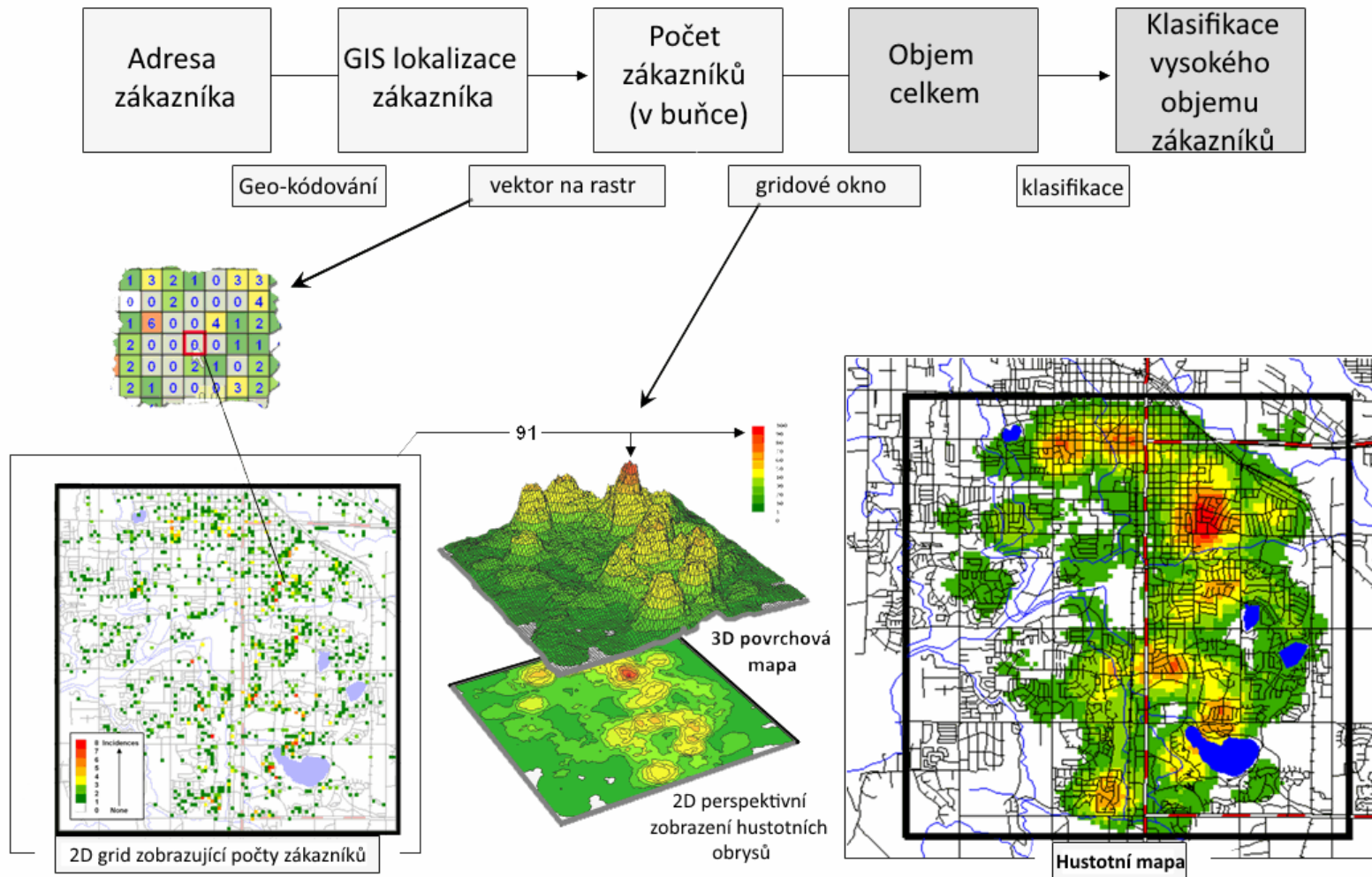
<http://accendo.cz/wp-content/uploads/atlas.pdf>

# DATOVÁ STRUKTURA

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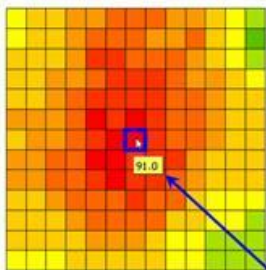
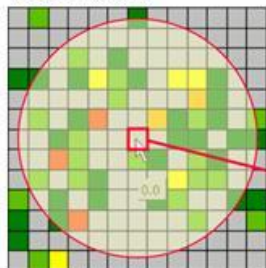
- Specifikace, jak je model reprezentován v počítačovém prostředí
- Pravidelná mřížka – GRID
- Trojúhelníková nepravidelná síť - TIN
- polygonová data

# Rozmístění zákazníků



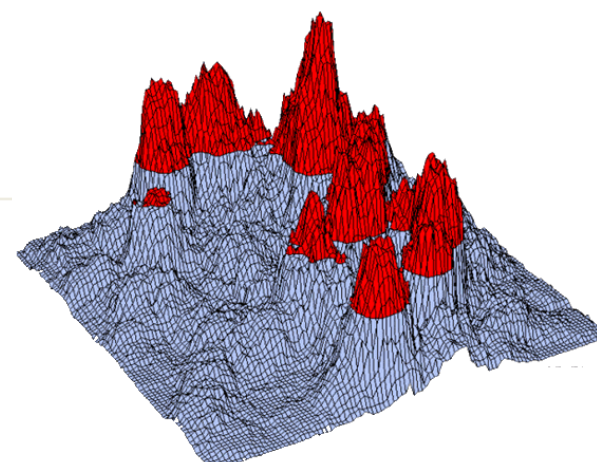


# of Customers



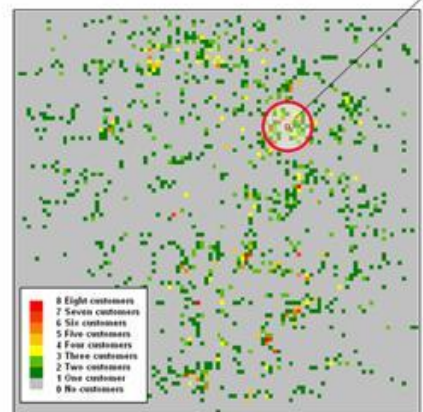
Customer Density

	Col82	Col83	Col84	Col85	Col86	Col87	Col88	Col89	Col90	Col91	Col92	Col93	Col94	# Count
Row 78	"	"	"	"	"	"	1	"	"	"	"	"	"	1
Row 77	"	"	"	0	0	0	0	0	0	0	"	"	"	0
Row 76	"	0	2	0	1	0	0	0	0	0	"	"	"	3
Row 75	"	1	0	1	3	2	1	0	3	3	1	0	"	15
Row 74	"	0	0	0	0	2	0	0	0	4	1	0	"	7
Row 73	"	2	0	1	6	0	0	4	1	2	1	0	"	17
Row 72	"	0	0	1	2	0	0	0	1	1	0	1	1	7
Row 71	"	0	6	2	0	0	2	1	0	2	1	0	"	14
Row 70	"	2	0	2	1	0	0	0	3	2	2	0	"	12
Row 69	"	0	1	0	1	0	0	1	2	0	0	1	"	6
Row 68	"	1	6	0	0	0	0	0	0	2	0	"	"	9
Row 67	"	"	0	0	0	0	0	0	0	0	0	"	"	0
Row 66	"	"	"	"	"	"	0	"	"	"	"	"	"	0
# Count	0	5	9	16	11	5	4	6	10	16	6	2	1	91

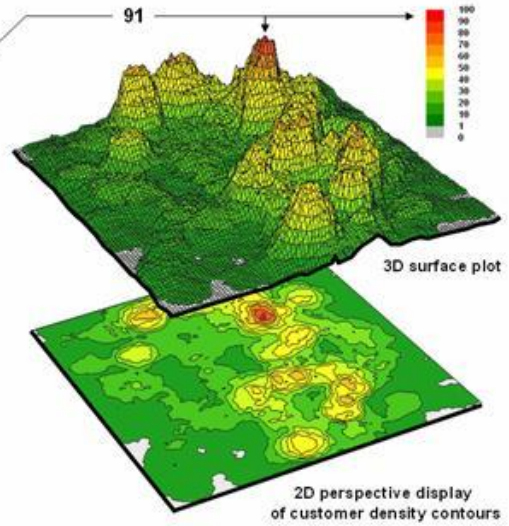


[http://www.innovativegis.com/basis/BeyondMappingSeries/BeyondMapping\\_IV/Topic7/BM\\_IV\\_T7.htm](http://www.innovativegis.com/basis/BeyondMappingSeries/BeyondMapping_IV/Topic7/BM_IV_T7.htm)

...calculates the total number of customers within the roving window (1/4 mile)

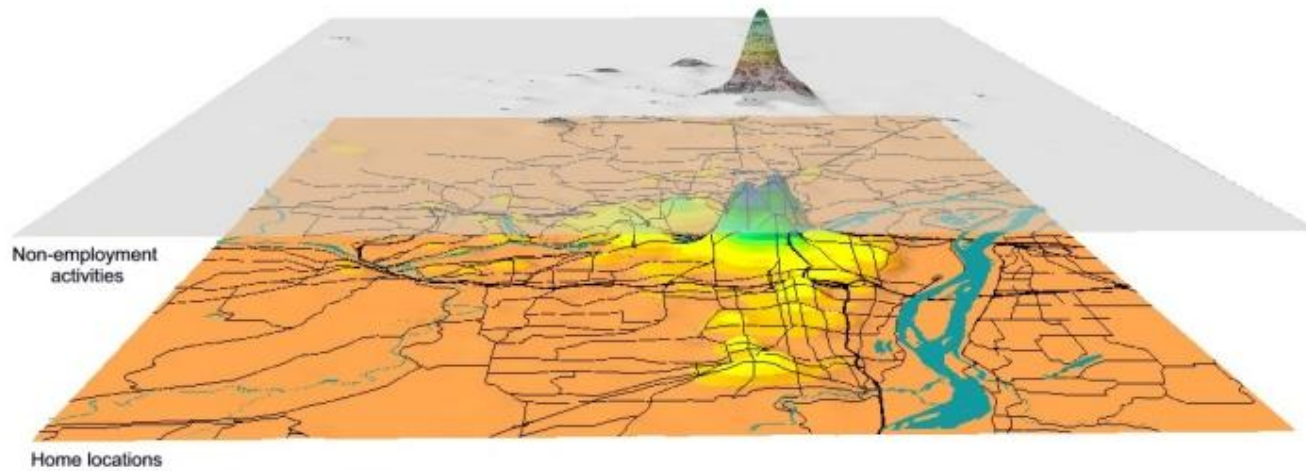


2D grid display of discrete customer locations

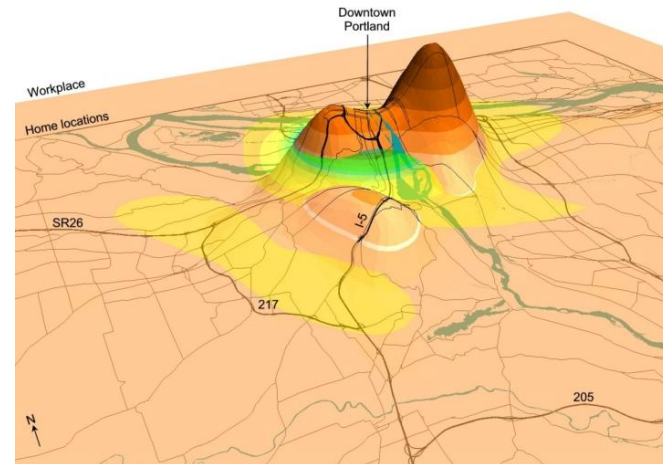
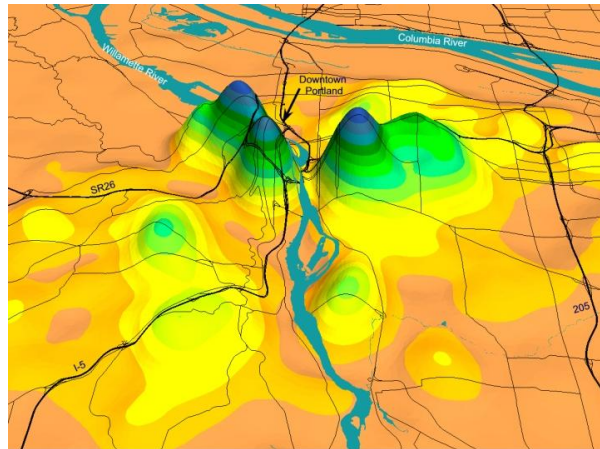


2D perspective display of customer density contours

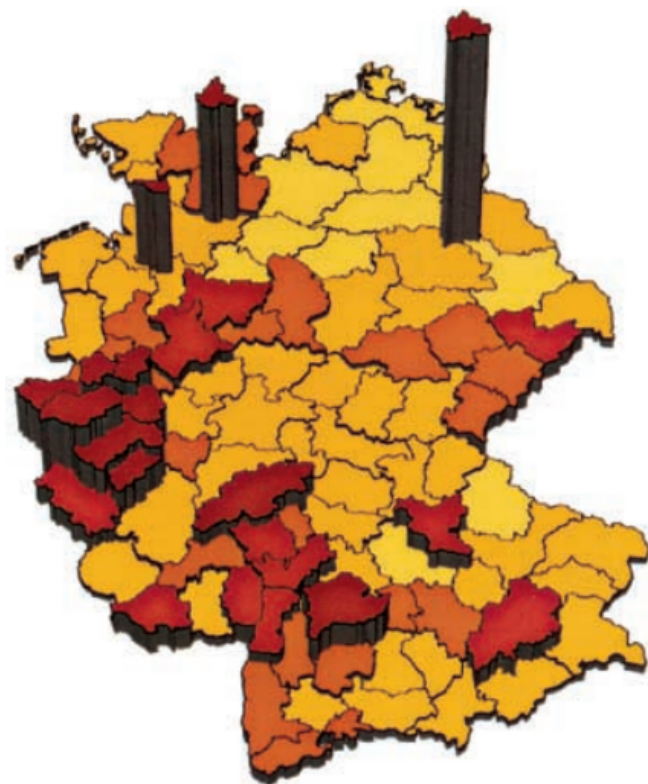
# 3D povrch aktivit obyvatelstva



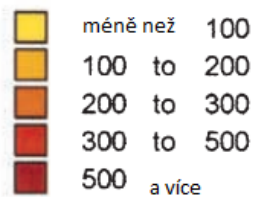
<http://www.meipokwan.org/Gallery/Density.htm>



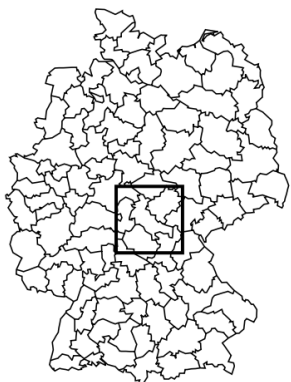
# Populace v Německu



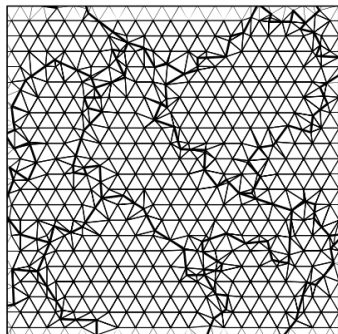
obyvatelů/km<sup>2</sup>



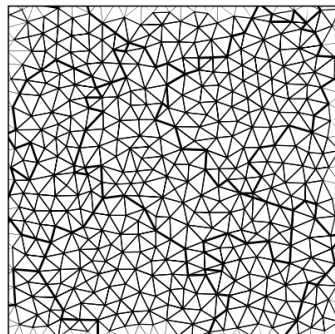
<http://www.wdrase.de/JournalPycno.pdf>



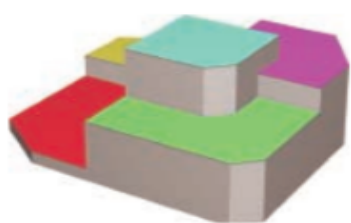
a) hranice území



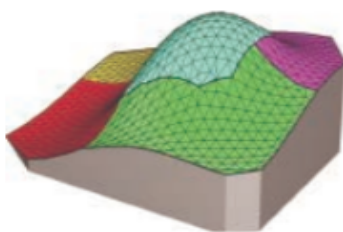
b) pravidelný grid



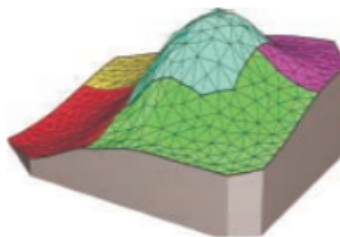
c) zjemněný TIN



Kartogram

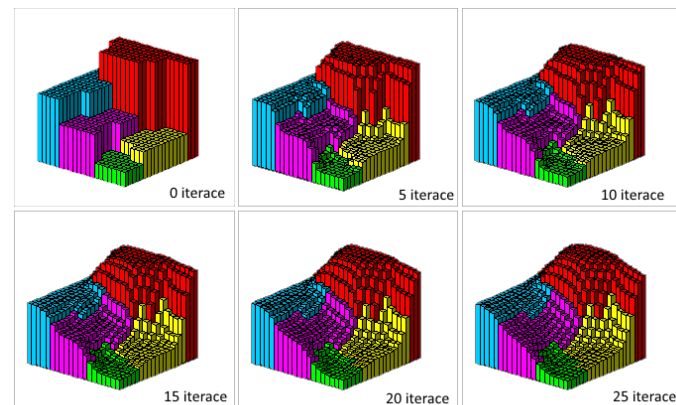


Pravidelný grid



Shlazený TIN

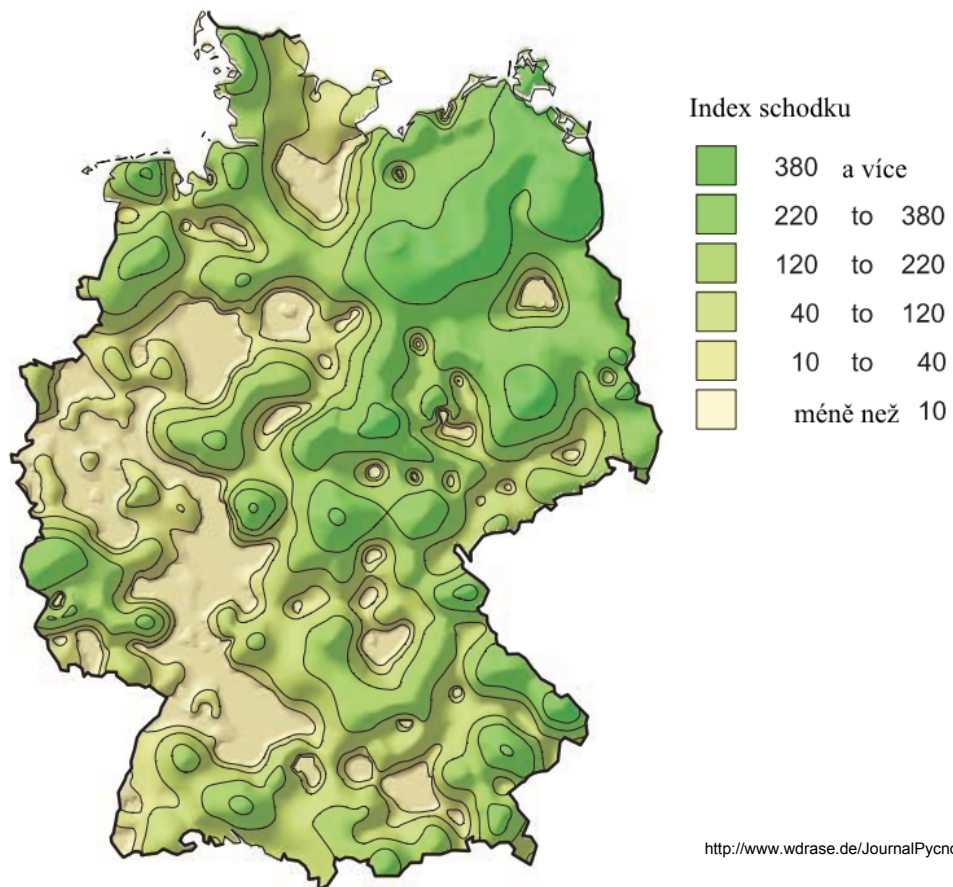
<http://www.wdrase.de/JournalPycno.pdf>



Pycnophylactická interpolace

<http://www.wdrase.de/JournalPycno.pdf>

## Ekonomický schodek ve vesnických regionech



<http://www.wdrase.de/JournalPycno.pdf>

pavla.dedkova@gmail.com



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Budování výzkumně-vzdělávacího týmu v oblasti modelování přírodních jevů a využití geoinformačních systémů, s vazbou na zapojení do mezinárodních sítí a programů.

Reg. č.: CZ.1.07/2.3.00/20.0170

Děkuji podpoře Operačního programu vzdělávání pro konkurenceschopnost – Evropský sociální fond (projekt CZ.1.07/2.3.00/20.0170 Ministerstva školství mládeže a tělovýchovy České republiky).