



Visualization problems of the Hungarian Earthquake Catalogue



Andrea Pődör, University of West Hungary, Faculty of
Geoinformatics,

Marta Kiszely Geodetic and Geophysical Research Institute of
Hungarian Academy of Sciences

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TÁMOP-4.2.1/B-09/1/KONV-2010-0006



Hungarian Earthquake Catalogue



- 25000 earthquakes
- dated from 456 A.D. till the present
- PROBLEMS:
 - Systematic earthquake data collection from 1881
 - large dataset
 - data quality, and data acquisition is different
 - overlapping





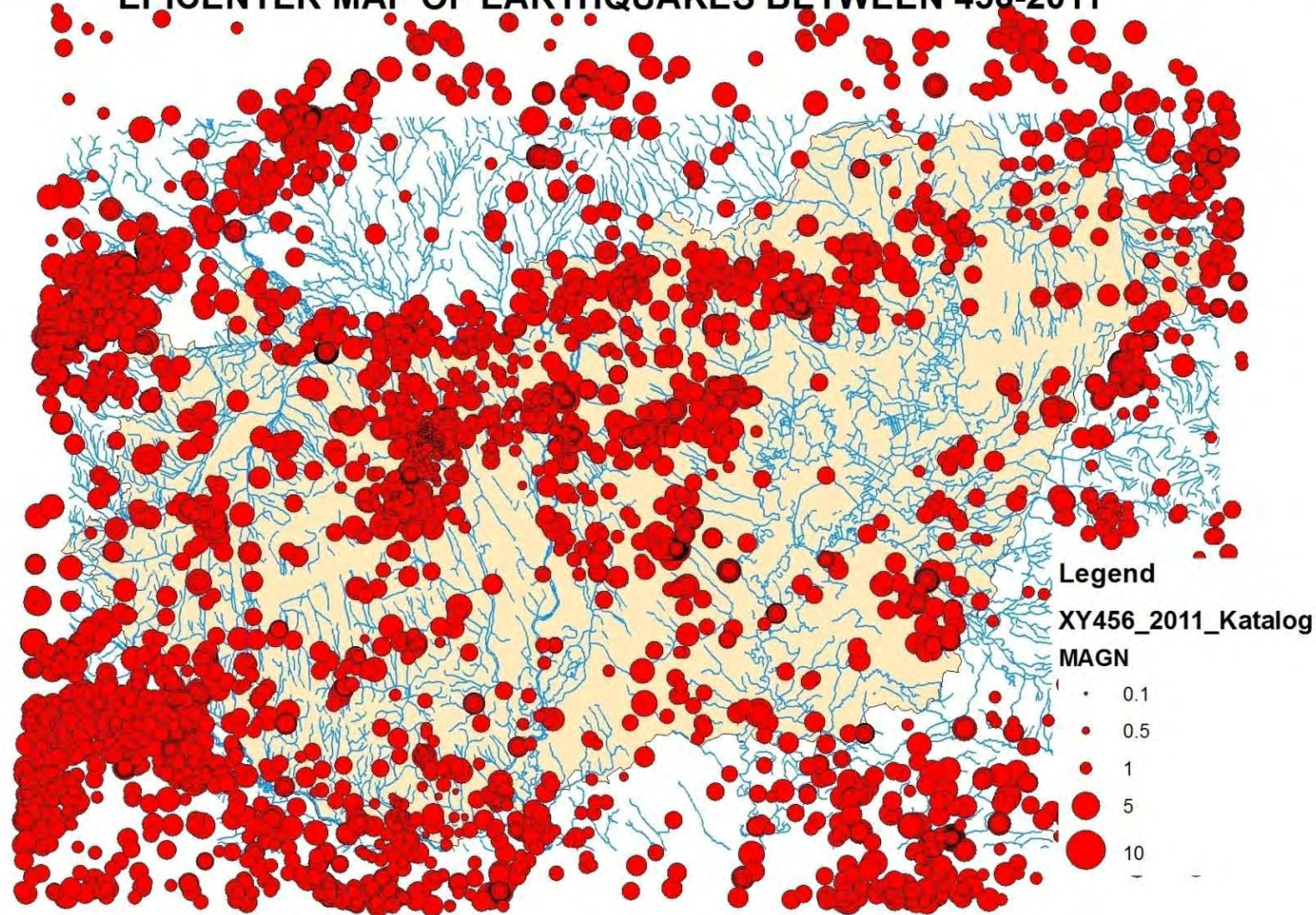
Hungarian Earthquake Catalogue

Attributes can be visualized:

- date
- coordinate (epicentre or the hypocentre)
- magnitude or intensity ,
- energy

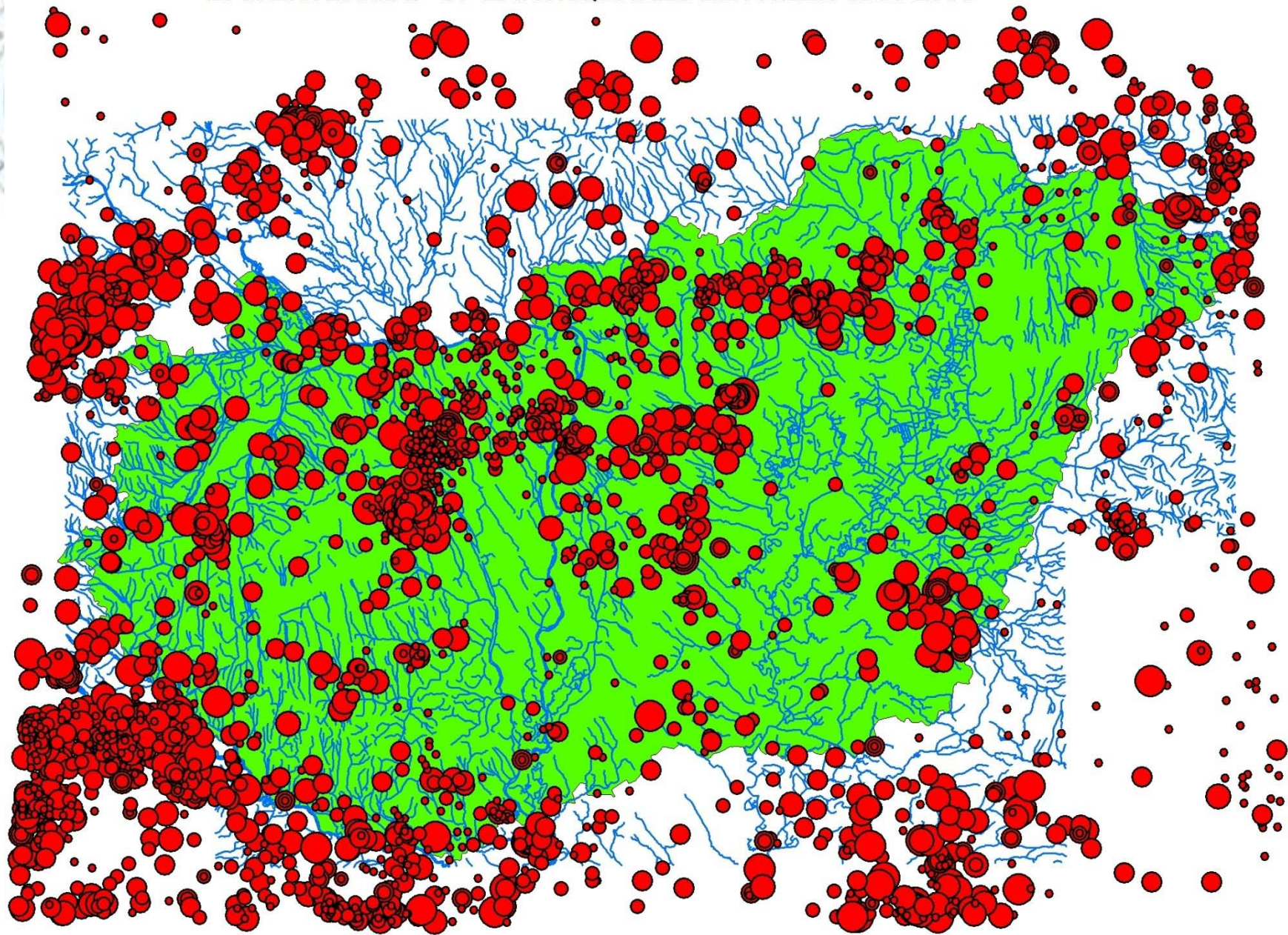


EPICENTER MAP OF EARTHQUAKES BETWEEN 456-2011

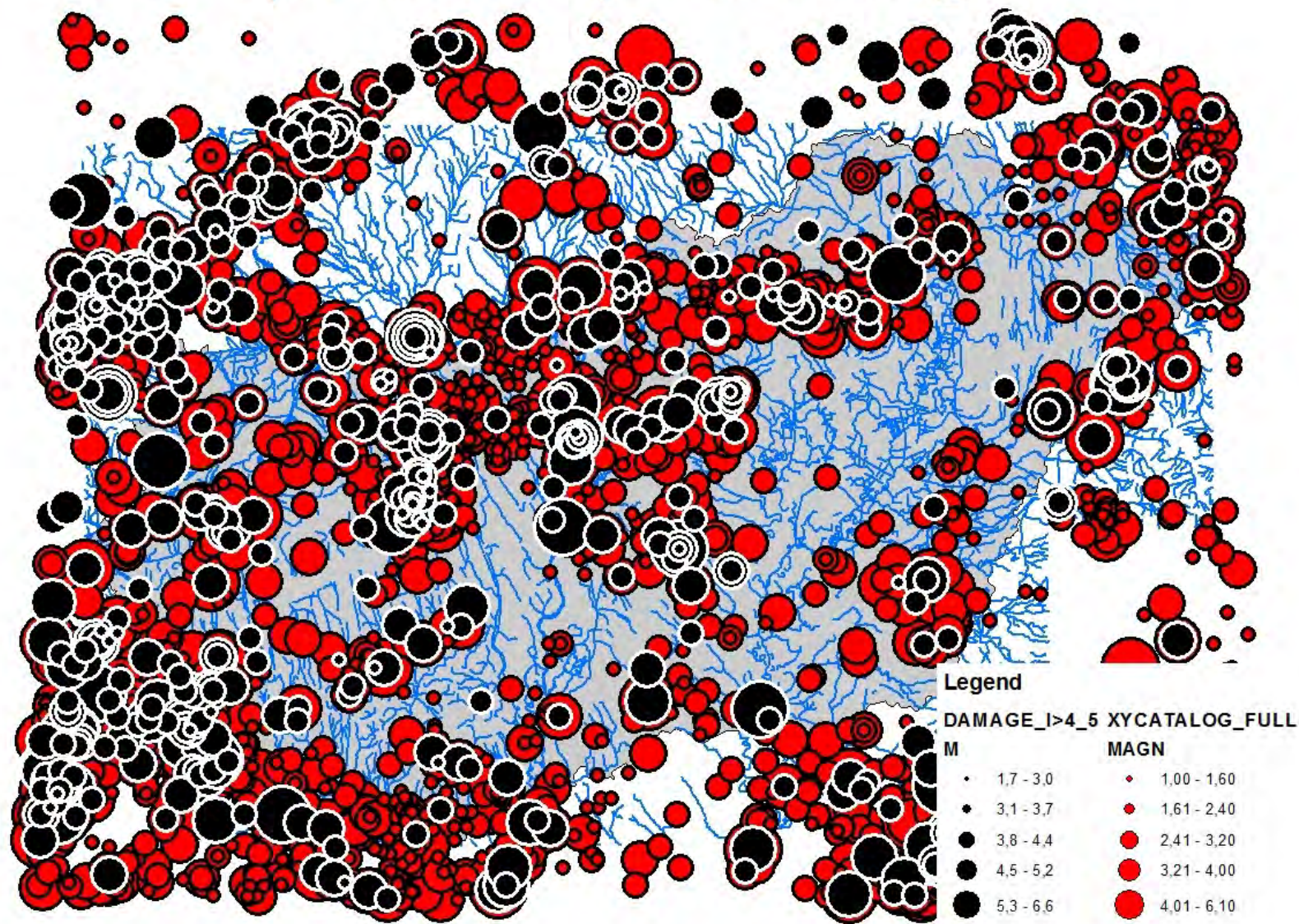


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EPICENTER MAP OF EARTHQUAKES BETWEEN 1900-2010

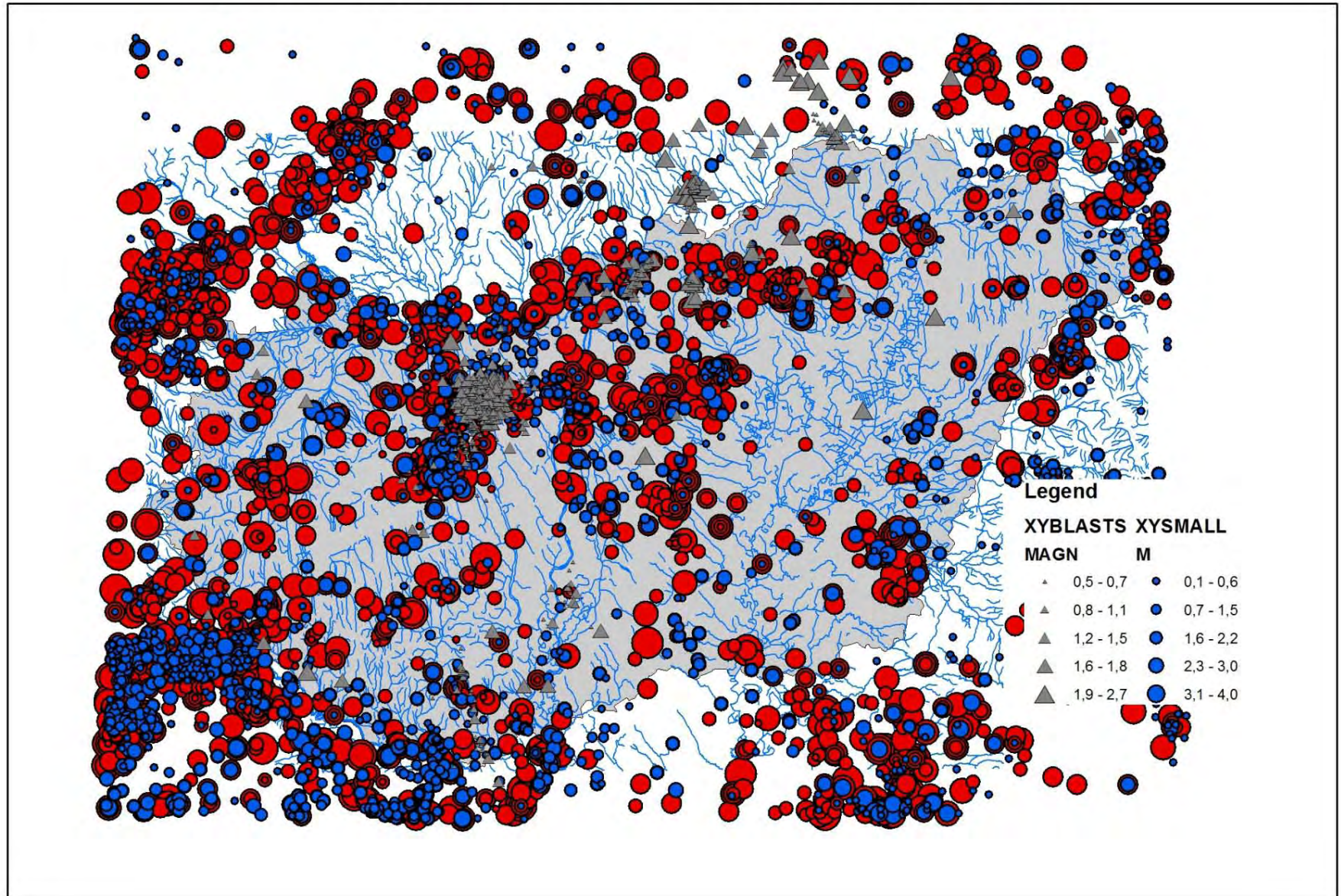


Epicentre map with damages



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Epicentre maps with smaller earthquakes and blasts



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Solutions?

Settings

Input

X: 14 27

Y: 44,5 49,5

Year: 1800 2010

Division (degree): 0,1

Resolution (year): 5

Output

☒ Skip all 0 elements

☒ Cumulativ result

Input

☒ Add Energy also

HunE20101019210904.out - Jegyzetkönyv

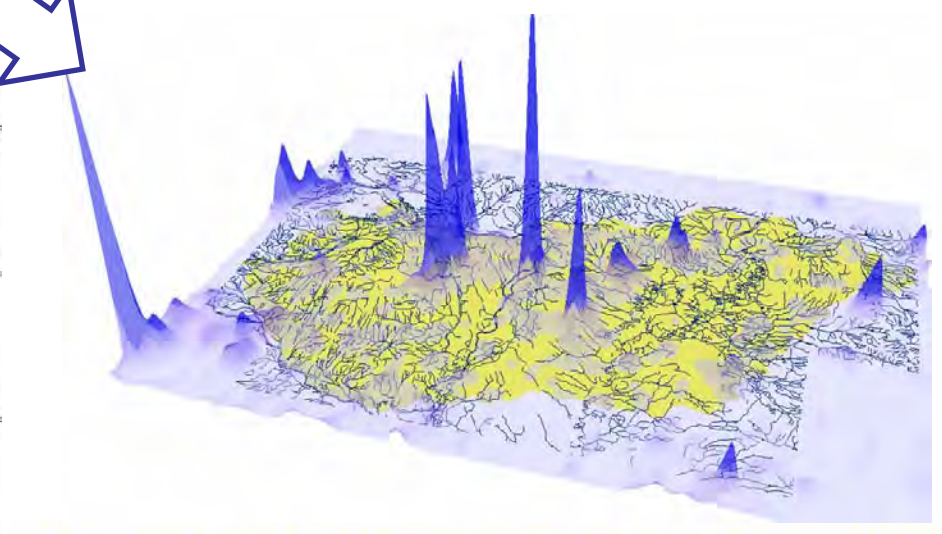
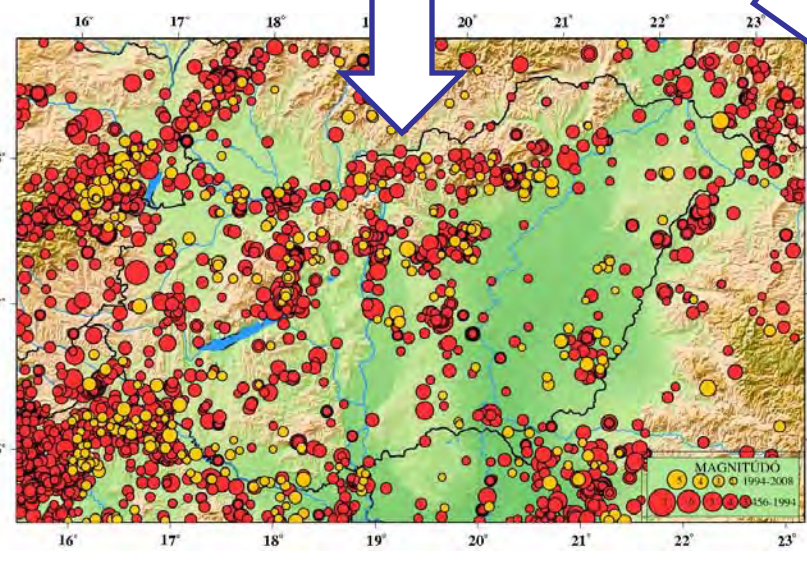
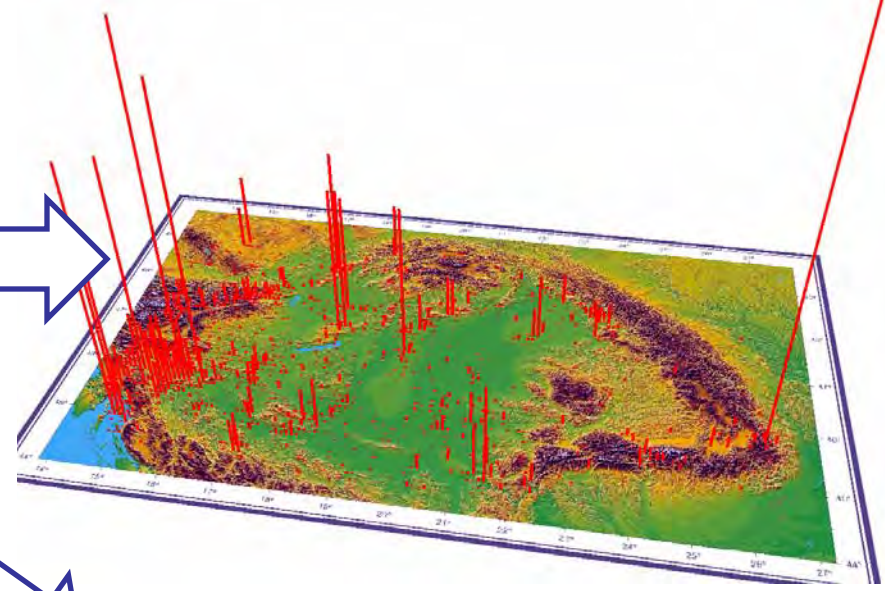
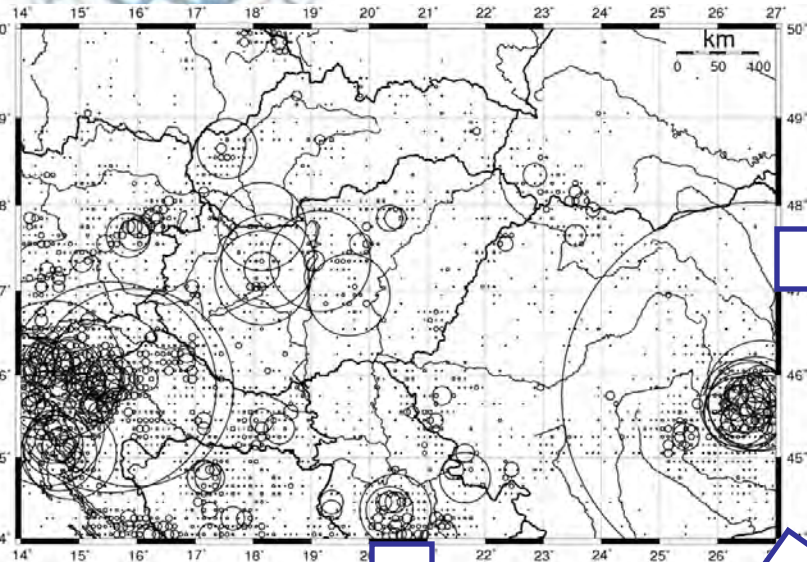
Fájl Szerkesztés Formátum Nézet Súgó

14.000000	27.000000	44.500000	49.500000	0.100000	1800	2010	5	Energy added,Cumulativ,
1802.000000	44.850000	20.350000	3	9.442e+01				
1802.000000	46.250000	17.950000	1	1.216e+01				
1802.000000	47.050000	17.950000	1	4.113e+01				
1802.000000	47.750000	18.150000	2	8.226e+01				
1802.000000	47.850000	16.250000	1	4.113e+01				
1807.000000	44.850000	20.350000	3	9.442e+01				
1807.000000	45.150000	18.050000	2	8.226e+01				
1807.000000	46.250000	17.950000	1	1.216e+01				
1807.000000	47.050000	17.950000	1	4.113e+01				
1807.000000	47.750000	18.150000	4	6.041e+02				
1807.000000	47.850000	16.250000	1	4.113e+01				
1807.000000	48.350000	17.450000	1	1.051e+02				

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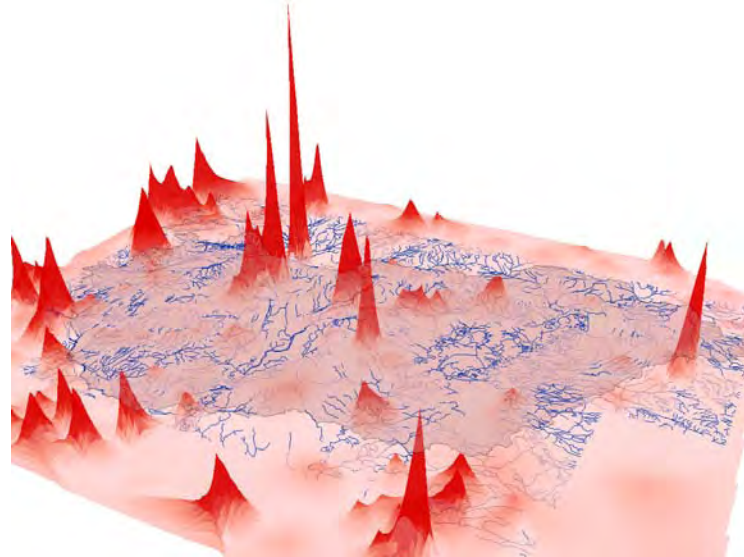
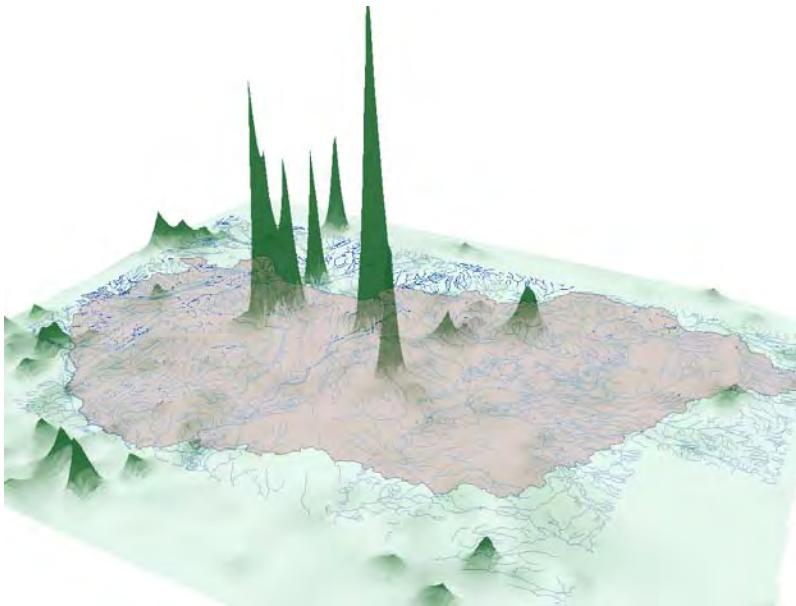


Method?





Number or Energy?





Thank You for Your attention!

pa@geo.info.hu

marta@seismology.hu