

ENERGY POVERTY INDICATORS WITH INTERACTIVE DATA VISUALIZATION HUNGARY

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ENERGY POVERTY IN HUNGARY

- No national definition or indicators
 - Little academic research
- Lack of policies targeting the issue
- Requirements from EU
 - NECP
 - Fit for 55

DEVELOPING INDICATORS

DATA AVAILAIABILITY

national HBS/SILC microdata

HIGH ENERGY EXPENCES

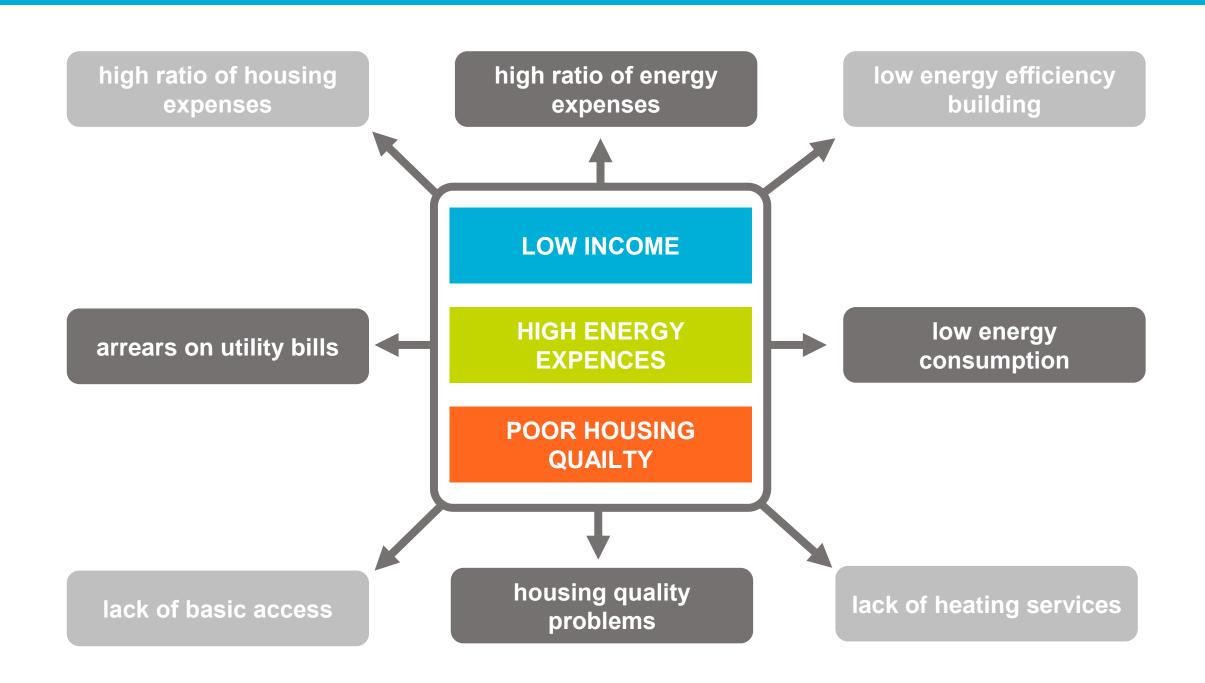
POOR HOUSING QUAILTY

REPLICABILITY

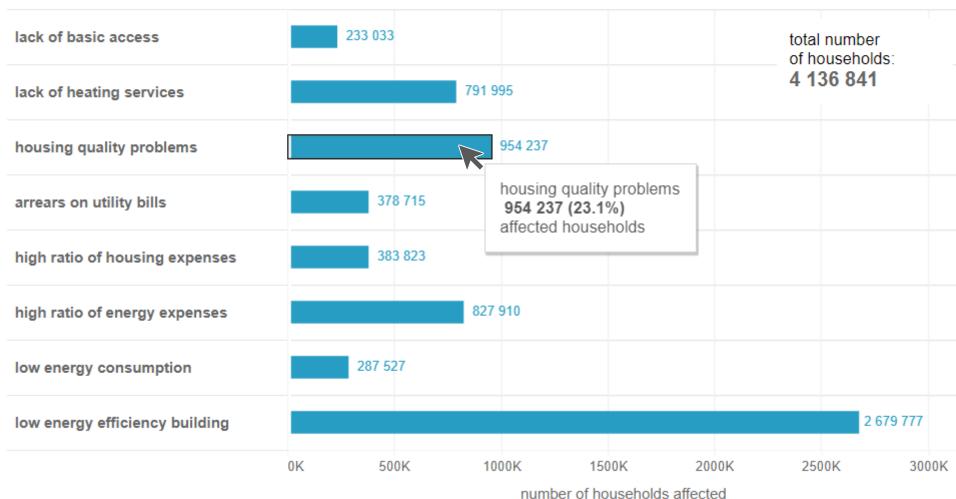
- TABULA methodology for building typology
- simple indicators

USER FRIENDLY

interactive data visualization (Tableau)

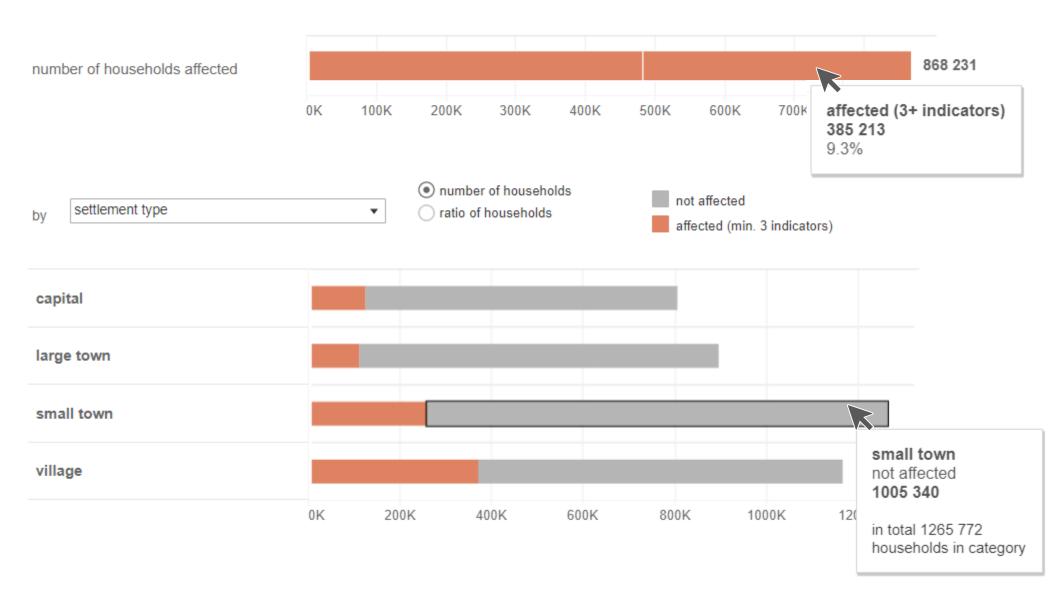




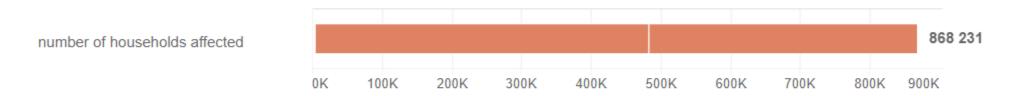


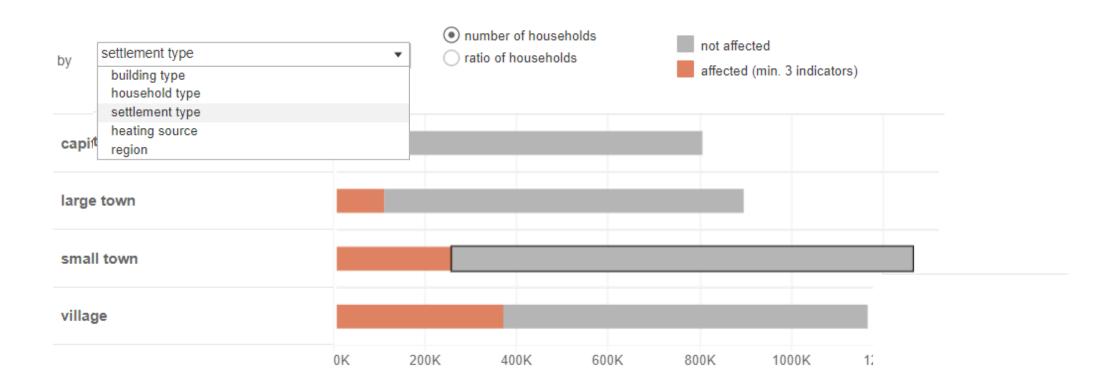












affected (min. 3 indicators)

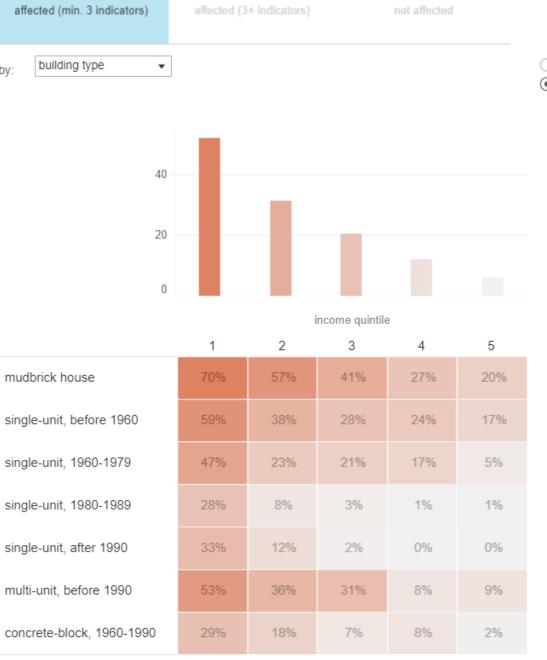
affected (3+ indicators)

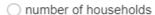
not affected

□ number of households
□ ratio of households

income quintile

	1	2	3	4	5
mudbrick house					
single-unit, before 1960					
single-unit, 1960-1979					
single-unit, 1980-1989					
single-unit, after 1990					
multi-unit, before 1990					
concrete-block, 1960-1990					





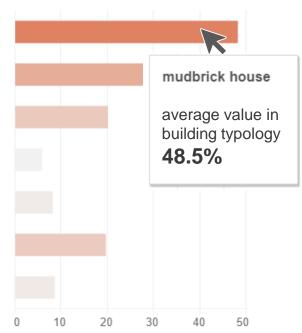
ratio of households



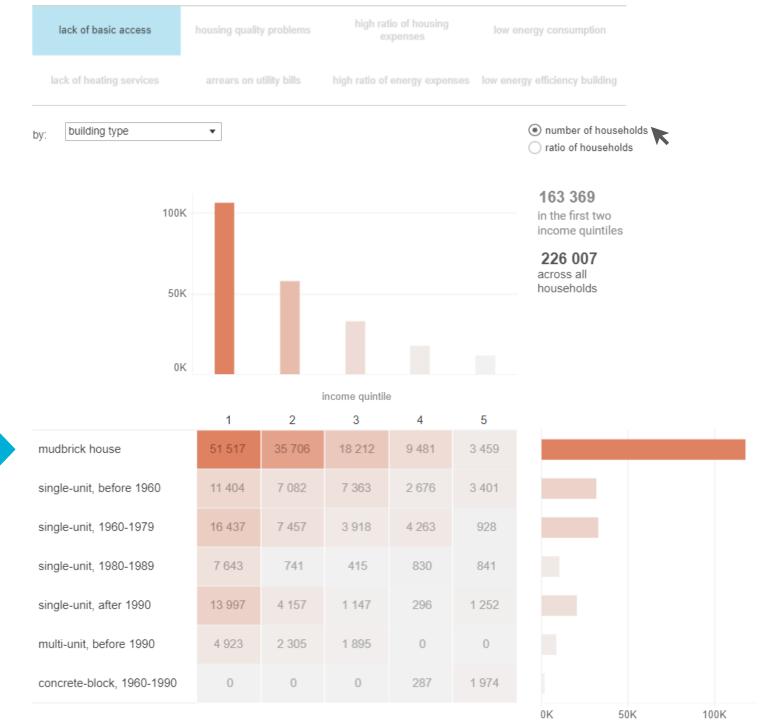
in the first two income quintiles

868 231

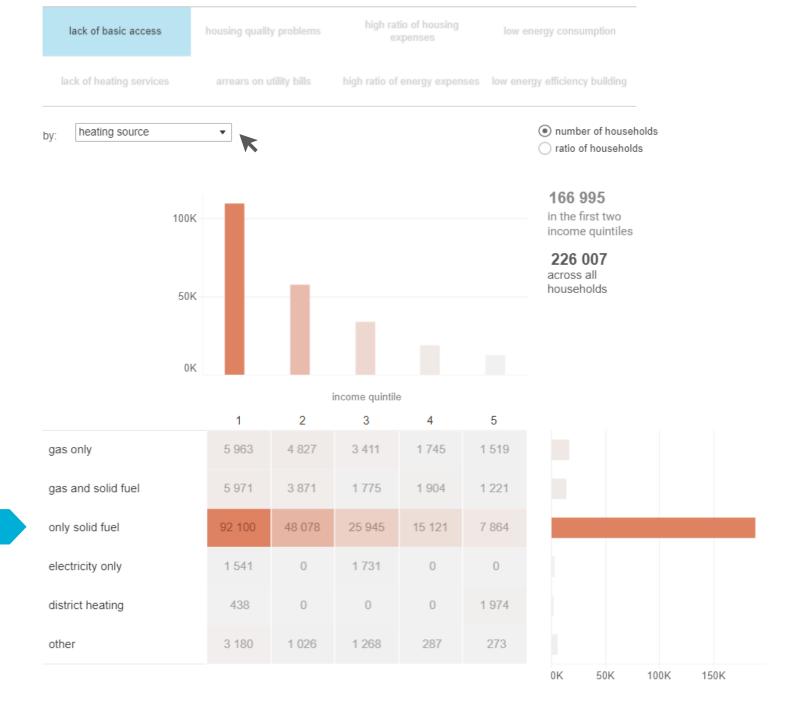
across all households



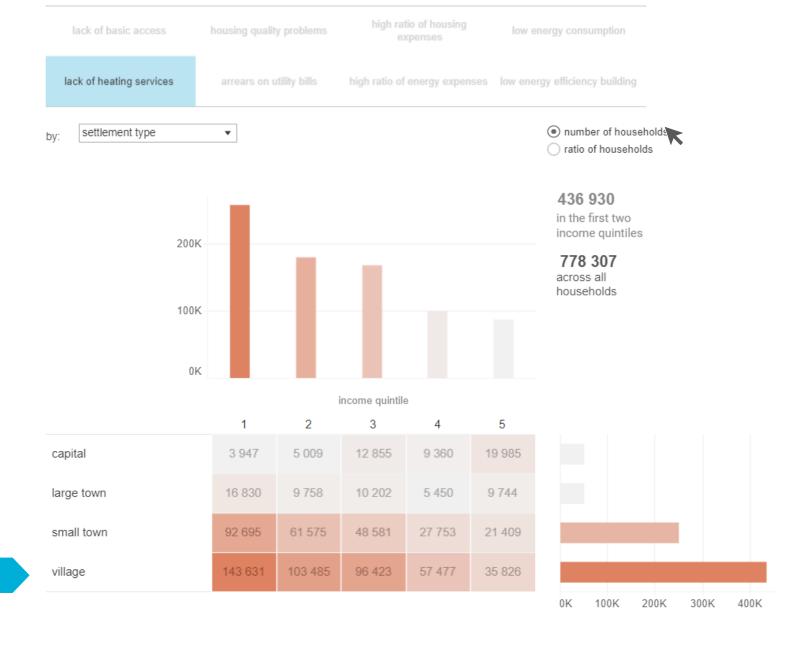
Dwelling without running water, hot water, bathroom or electricity



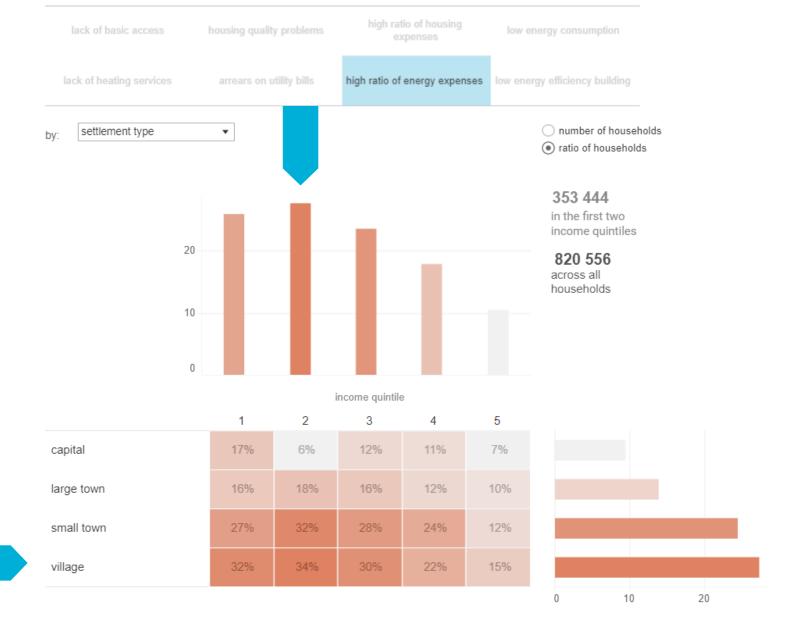
Dwelling without running water, hot water, bathroom or electricity



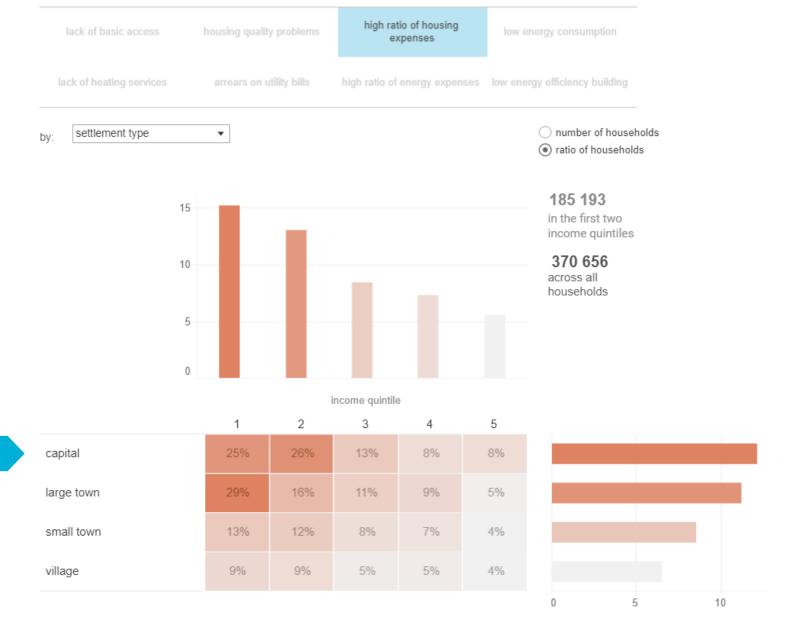
Dwelling not connected to gas network or district heating service



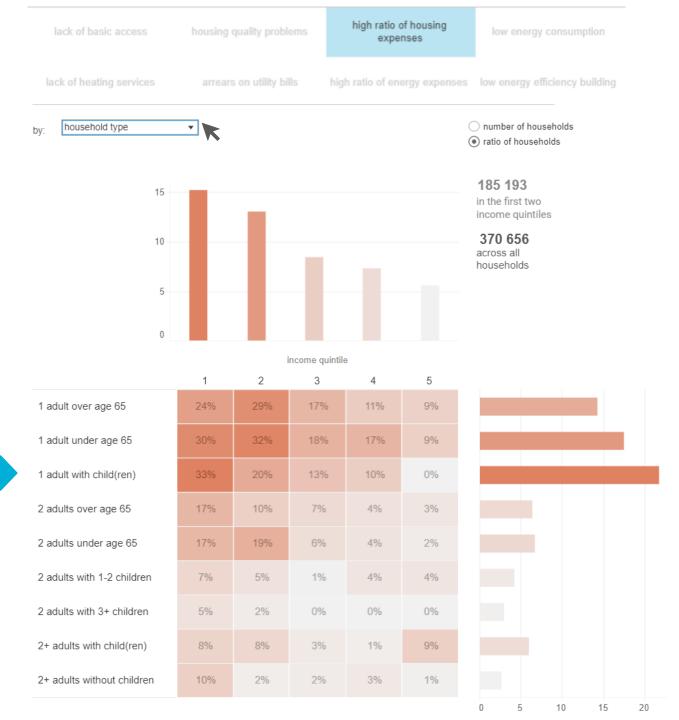
Energy accounts for more than 20% of total household expenditure



Housing accounts for more than 40% of total household expenditure

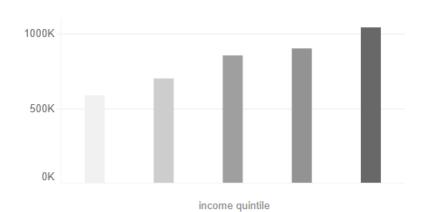


Housing costs account for more than 40% of total household expenditure



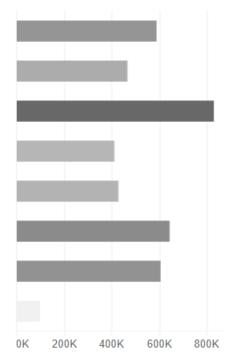
DISTRIBUTION OF HOUSEHOLDS

- total number of households
- total number of households (unweighted)



1 282 749						
in the first two income quintiles						
4 069 838						
total						

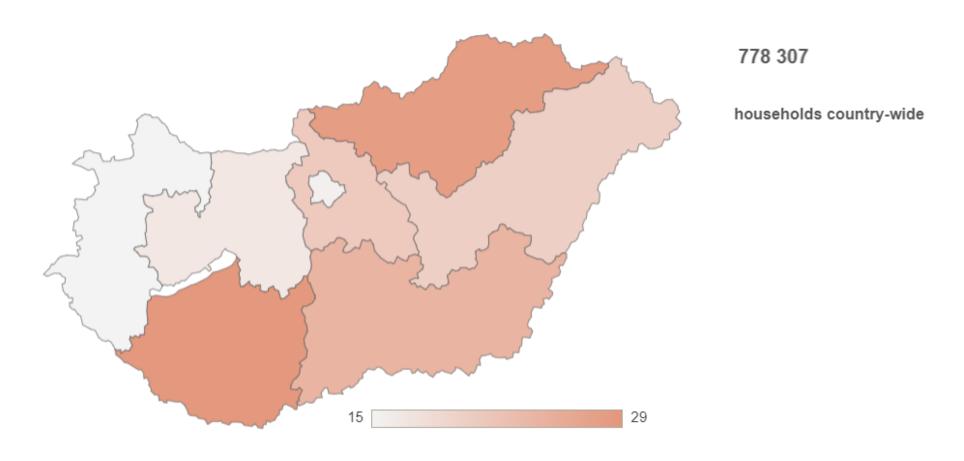
	1	2	3	4	5
mudbrick house	157 358	143 409	129 127	101 893	56 063
single-unit, before 1960	74 977	83 281	108 539	98 144	99 635
single-unit, 1960-1979	106 958	156 344	191 016	181 925	192 340
single-unit, 1980-1989	49 745	79 535	79 707	91 033	113 262
single-unit, after 1990	76 574	67 779	89 005	84 968	109 399
multi-unit, before 1990	54 561	85 580	113 607	149 115	238 621
concrete-block, 1960-1990	50 267	75 615	126 763	161 491	193 085
multi-unit, after 1990	11 319	9 447	15 245	27 166	35 940



AVERAGE EXPENDITURES



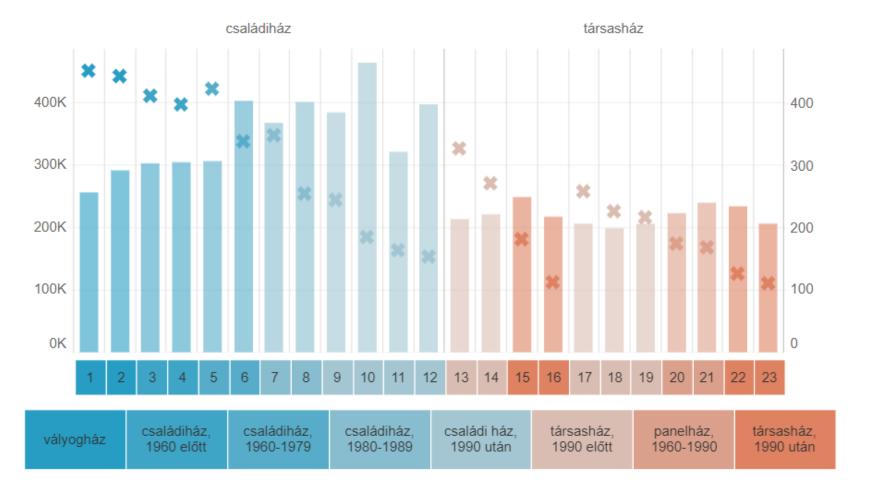
affected (min. 3 indicators) affected (3+ indicators) not affected



- number of households
- ratio of households

ÉPÜLETENERGETIKA







THANK YOU FOR YOU ATTENTION!

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