HUN REN RESEARCH CENTRE FOR THE HUMANITIES INSTITUTE OF HISTORY

10 generáció (1767–2017) IOS

HUN-REN Hungarian Research Network

GISta Hungarorum / Balkans in Numbers

PROBLEM TO RESOLVE

It is well known from literature that historical past has impact on present day development levels (path dependency). Another well-known feature is that peripheries change and shift in time and even peripheral settlements in the vicinity of each other have different characteristics. However, present day development planning policies fail to take these facts into consideration during site selection and focus only on the actual situation not on processes. As there is not any general remedy for backward regions, each has to be handled separately, with special treatment. However defining the lag and weaknesses is crucial in this sense.

SOLUTION

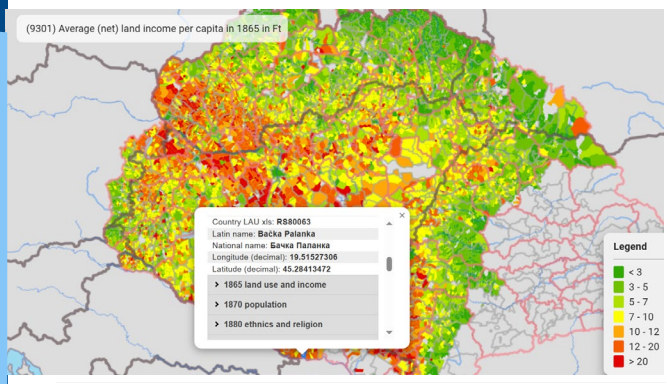
GISta Hungarorum, the largest visualized database of historical Hungary ever at settlement level, encompasses 4 different historical time horizons in order to illustrate dimensions and roots of backwardness, overall general level of development, identify peripheral regions and their spatio-temporal changes. The database beyond the webmap contains hundreds of variables, altogether 9 million records at settlement level for the 18th, 19th c., 1910 and 2010.
http://gistahungarorum.abtk.hu

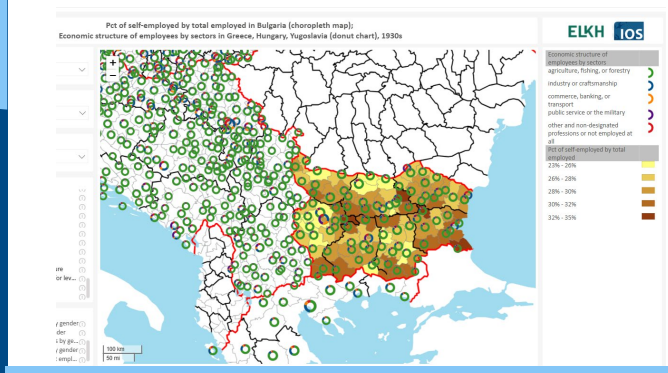
The 'Balkans in Numbers' is a similar webmap service with broader scope and lower resolution, tracing the historical origins of backwardness in the Balkan Peninsula, focusing on time horizons 1930s, 1970s and present-day situation. Developed in contribution with the Leibniz Institute in Regensburg, Germany.
https://balkans-in-numbers.eu/

Our concept uses a process-oriented (dynamic), multidimensional and fine-scale approach offering solutions for territorial planning, also solving the technical problems of comparison at the same administrative level.

TRL LEVEL 9

SEEKING scientific partners for database expansion / firms, gov. agencies for testing / Croatian Institute of History, Zagreb; potential non-profit partners: universities (ELTE, Univ. of Debrecen), local museums, county archives, IOS Regensburg Leibniz Institute.





BENEFITS

- vast amount of fine-scale data for several time-horizons
- comparable units for spatio-temporal analysis / SWOT-analysis
- process-oriented approach
- allows both multidimensional and composite approach
- expandable / attachable
- easy-to-perceive visualization
- extends beyond borders, interregional approach

APPLICATION

- investment planning – optimal site selection
- territorial planning, governmental development policies
- social policy
- CBC: cross-border cooperation, transboundary problems

PUBLICATIONS

Demeter, Gábor et al. (2023): A területi egyenlőtlenségek településszintű vizsgálata a történeti Magyarország és utódállamai területén, 1330–2010 (I-II.) *Területi Statisztika* 63: 3 pp. 271–299 and 300–335.

Pénzes, János and Demeter, Gábor (2021): Peripheral areas and their distinctive characteristics: The case of Hungary. *Moravian Geographical Reports* 29: 3 pp. 217-230.

CONTACT INFORMATION

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