

Contemporary changes of social environment within the Czech suburbs

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Main objectives of the projects and their elaboration

The main objective of the project was to map the current changes in the social environment of Czech suburbia and to test hypotheses about growing ethnic heterogeneity and return of the part of suburban population back to the core cities.

All empirical work was completed, the data obtained during the field survey (ArcCollector) in the Prague Urban Region were used for articles by the main researcher in cooperation with three PhD students. The first is focused on the evaluation of morphological aspects of suburban municipalities around Prague (Zévl, Ouředníček, 2020), the second on the case study of a new autonomous suburban settlement in the east hinterland of Prague (Greta Kukeli and Martin Ouředníček submitted the paper in December 2021), the third paper deals with gated communities in Prague Urban Regions (Adela Petrović and Martin Ouředníček submitted the paper to *Cities*, then in January 2022 to *European Urban and Regional Studies*). The results of socio-spatial differentiation analyses confirm that the transformation period had small impact on social structures within outer zone of Prague and that the social mix sustains the main attributes of Prague's social environment (Ouředníček et al., 2018 in edited book published by Springer).

The questionnaire survey focused on residential strategies of suburbanites living within the oldest Prague's suburbs was conducted. We received 177 completed questionnaires and most of our respondents were "stayers" and employed various assimilative coping strategies to adapt their homes, rather than moving or leaving the suburbs (paper by Dvořáková, Horňáková, 2021). We analysed statistical data focused on migration and housing construction in Czechia. We published one article focused on the scope of residential suburbanisation in Czechia (Ouředníček et al. 2019), another paper dealing with analyses of foreigner's suburbanisation in Czechia was published in *Population, Space and Place* journal (Křížková, Ouředníček, 2020). Growing ethnic heterogeneity of Prague's suburbs was not confirmed and many foreigners still concentrate to the capital city.

As part of planned publications are still under the review, we decided to postpone the final report of the project. Three papers were submitted to IF journals (Kubeš, Ouředníček, major revisions in *Cities*; Kukeli, Ouředníček submitted to *Journal of Rural Studies* and Petrović, Ouředníček submitted to *EURS*). The main outcome – the edited book – has obtained two positive reviews (dr. Mulíček, doc. Szczyrba) and now it is in the stage of first language corrections in Karolinum publishing house. A total of nine chapters have been completed, seven of which will be dedicated to the project, two chapters are created with the help of another GACR project. We expect the finishing of the book during the spring 2022, manuscript is attached to this report.

PhD students' enrolment

The total number of seven students actively participated within the research project. Adam Klsák, Adela Petrović, Marie Horňáková and Greta Kukeli (all PhD students) were employed as members of the research team. They work on the research within the Prague Metropolitan Region - suburbanisation of foreigners and segregation (Klsák; 1 finished chapter in planned book), residential mobility in suburbs (Horňáková; 1 finished chapter in planned book, one paper published in IF journal), spatial form of suburban housing (Kukeli; paper submitted) and gated communities in Prague's hinterland (Petrović; manuscript submitted to the IF journal). Jiří-Jakub Zévl (now in 2nd year of his PhD) together with Martin Ouředníček published the paper at the beginning of 2021. Jiří Nemeškal was the main author of one IF paper (2020) and the co-author of one chapter in edited book. Šimon Štrba (master student) helped with translations and technical issues in processing of terrain outcomes from suburban survey (ArcCollector).

Adela Petrović and Adam Klsák participated in preparation and realisation of international seminar One thousand and one forms of suburbanisation: comparative research, terminology, methods, held on 16th June 2021 as an online webinar. To sum it up, PhD students were among the core authors and researchers within the realised project, which accelerated their professional growth considerably.

Foreign collaboration

Although the dissemination of project's results was limited during the time of the global pandemics, we can point out several results of international collaboration. The first publication – chapter in the edited book – was the result of comparative research focused on outer parts of European cities prepared together with the research network CAT (Cities After Transition). Based on the cooperation with Siberian suburban researchers, we prepared an international project under GAČR and Russian agency together with Irkutsk State University focused on suburbanisation of Siberian cities. Unfortunately, the project was not supported. Nevertheless, we will continue and will try to prepare a new version of the proposal.

Together with the Higher School of Economics, Graduate School of Urbanism, Moscow we prepared the online webinar during the summer 2020. One of the main outcomes of the project, we realised the international seminar One thousand and one forms of suburbanisation: comparative research, terminology, methods, held on 16th June 2021 as an online webinar. Main contributions: Steven Logan (University of Toronto, Canada), Roger Keil (York University, Canada), Konstantin Grigorichev (Irkutsk State University, Russia), Martin Ouředníček (Charles University, Czechia).

Three most important publications

1. OUŘEDNÍČEK, M. ed. (2022): Prague and Central Bohemia: current population processes and socio-spatial differentiation. Prague, Karolinum Press.

The aim of the book is to describe and explain the current socio-spatial differentiation of Prague and the Central Bohemian Region. The book offers own theoretical perspective on the structuration of spatial patterns and the social environment, a general view of the regional development, and the main socio-spatial processes during the period after transition. Maps are an important part of this volume and concentrate crucial information within most presented chapters.

2. KŘÍŽKOVÁ, I., OUŘEDNÍČEK, M. (2020): Immigrant internal migration in a new destination country: Do immigrants suburbanise in Czechia and why? *Population, Space and Place*, 26(7): e2326.

This paper investigates trends in participation of different groups of foreign residents in urbanisation processes in Czechia. Using a longitudinal dataset of the Czech migration registers (2005–2017), it assesses the extent of participation in urbanisation processes. It also evaluates the strength of sociodemographic and place-based factors contributing to suburbanisation, a process to which both the Czech majority and the immigrant population contribute.

3. NEMEŠKAL, OUŘEDNÍČEK, M., POSPÍŠILOVÁ, L. (2020): Temporality of urban space: daily rhythms of a typical week day in the Prague Metropolitan Area. *Journal of Maps*, 16(1): 30-39.

The aim of this paper is to reveal, describe, explain, and map variations in diurnal population in the metropolitan area of Prague. We use location data from mobile phones to identify types of daily rhythm that shape the region at different times during a typical weekday. These rhythms are influenced especially by residential and commercial suburbanization within the metropolitan region. The map was selected among the top 10 maps of the *Journal of Maps* for the year 2020.