

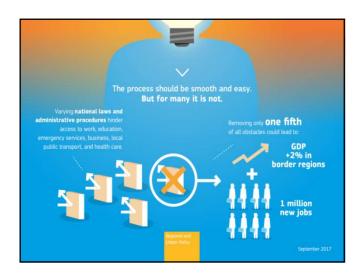


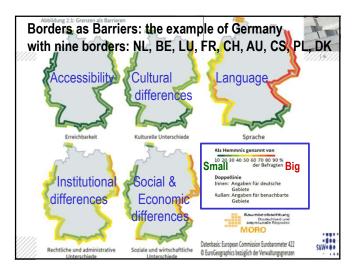
# Motivation for studying cross-border commuting

- 1. Cross-border issues (economy, safety, labour market, migration, governance, InterReg, Brexit) are a big theme in Europe.
- Cross-border commuting can stimulate cross-border regional economic development (better matching, increases economies of scale, agglomeration effects) and solve discrepancies on cross-border labour markets also to reduce regional inequalities.
- Now lack of insight in actual flows but also lack of insight in drivers and impact of cross-border commuting and policy.
- 4. This study: explanatory analysis of commuter flows between neighbouring EU countries in relation with economic (wage & unemployment), (road) accessibility and language similarities. Analysis for all commuters and for various groups distinguished by gender, education and age + analysis by economic sector.











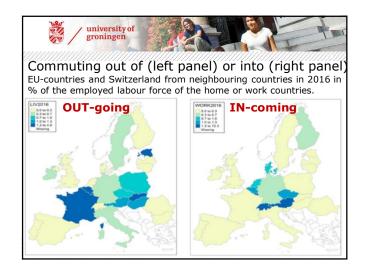
# Cross-border commuting flows EU+EFTA

- In 2021 1.7 million persons commute cross-borders, where as this was only 450.000 in 1998. So, cross-border commuting almost quadrupled.
- But cross-border commuters are only about 0,6% as share of the labor force!
  - → Cross-border commuting flows are small!

Main Characteristics or the commuting workers:

- · 46% in manufacturing and construction, 70% men
- · Education: 34% high, 54% medium, 12% low
- Age: 42% is 35-49 years old
- The majority of flows are uni-directional toward regions enjoying higher level of economic development

Source: Annual Report on Intra-EU Labour Mobility 2022 (2023), Emmanuel Hassan, Linus Siöland, Berkay Akbaba, Daniela Cinova, Michela Gasperini and Matthew Geraci; Network of Experts on Free Movement of Workers and Social Security Coordination. Luxembourg: Publications Office of the European Union, 2023.

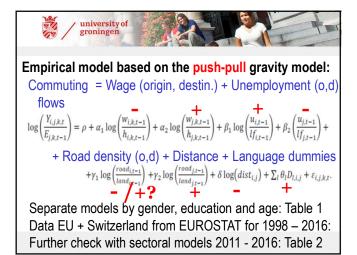


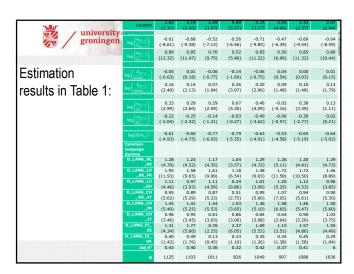




## Cross-border commuting: Main guestions:

- · What drives cross-border commuting?
- What is the impact and what is the effect on (reducing) inequalities?
- Study using Data EU + Switzerland from EUROSTAT for 1998 – 2016 on flows between countries.
- · Emprical results published in:
- Edzes, Arjen J.E., Lourens Broersma & Jouke van Dijk (2022). 'Does cross-border commuting between EU-countries reduce inequality?' Applied Geography, 139, February 2022. DOI: 10.1016/j.apgeog.2022.102639
- Lourens Broersma , Arjen Edzes & Jouke van Dijk (2020): Commuting Between Border Regions in The Netherlands, Germany and Belgium: An Explanatory Model, Journal of Borderlands Studies, DOI: 10.1080/08865655.2020.1810590







### Conclusions

- · Cross-border commuting flows are very small but increase over time 1998-2021.
- Potential gains: more economic activity due to scale and agglomerations effects, better matching and lower unemployment.
- Empirical results: lower wages and higher unemployment in the origin significantly increase commuting (push-effect) and lower the pull effect from destination countries; magnitude differs a bit by gender, education and age and is not always significant for all sub-groups.
- Accessibility by motorways in the destination country has a significant positive
  effect on cross-border commuting, but is insignificant for the country of origin.
- Common language on both size of the borders increases commuting, with the exception of Ireland - UK.
- Distance show a significant negative effect, implying that big countries show smaller cross-border commuting flows; Can remote work reduce distance problem?
- Models by sector for 2011-2016 perform rather similar, but sectoral wages are insignificant or show unexpected results.



## Effect on Inequality and Policy Implications

- Cross-border commuting flows respond in general in the theoretically expected way to wages, unemployment, accessibility, language similarity and distance.
- → cross-border commuting may help to reduce economic and territorial inequality!
- · The effects are small also because the relatively small number of commuters.
- The results differ by gender, education and age, sector and time period implying
  that for some groups the reduction in inequality might be very limited or might
  increase for groups who are less mobile or less responsive to differences in
  wages, unemployment and accessibility.
- Policy measures aimed at improving economic conditions in the living region of origin might reduce the need for cross-border commuting.
- Policy measures aimed to improve accessibility and reduce language and institutional barriers might help to further enhance cross-border mobility and, hence, reduce inequalities between border regions in different countries, but also between regions within a country if peripheral border regions are able to catch-up.





#### Literature:

- Edzes, Arjen J.E., Lourens Broersma & Jouke van Dijk (2022). 'Does cross-border commuting between EU-countries reduce inequality?' Applied Geography, 139, February 2022. DOI: 10.1016/j.apgeog.2022.102639
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  Robert Musil & Norbert Weixlbaumer (eds.), 'Grenzen: Theoretische, konzeptionelle und
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- Annual Report on Intra-EU Labour Mobility 2022 (2023), Emmanuel Hassan, Linus Siöland, Berkay Akbaba, Daniela Cinova, Michela Gasperini and Matthew Geraci; Network of Experts on Free Movement of Workers and Social Security Coordination. Luxembourg: Publications Office of the European Union, 2023.