



VASAB webinar on national spatial planning 10 February 2025

SHRINKING SMARTLY AND SUSTAINABLY

SPATIAL PLANNING, INFRASTRUCTURE AND HOUSING

Andrés Fuentes Hutfilter; Head of Unit, Environmental and land use economics
Economic Analysis, Data and Statistics Division (EDS).
Centre for Entrepreneurship, SMEs , Regions and Cities (CFE)



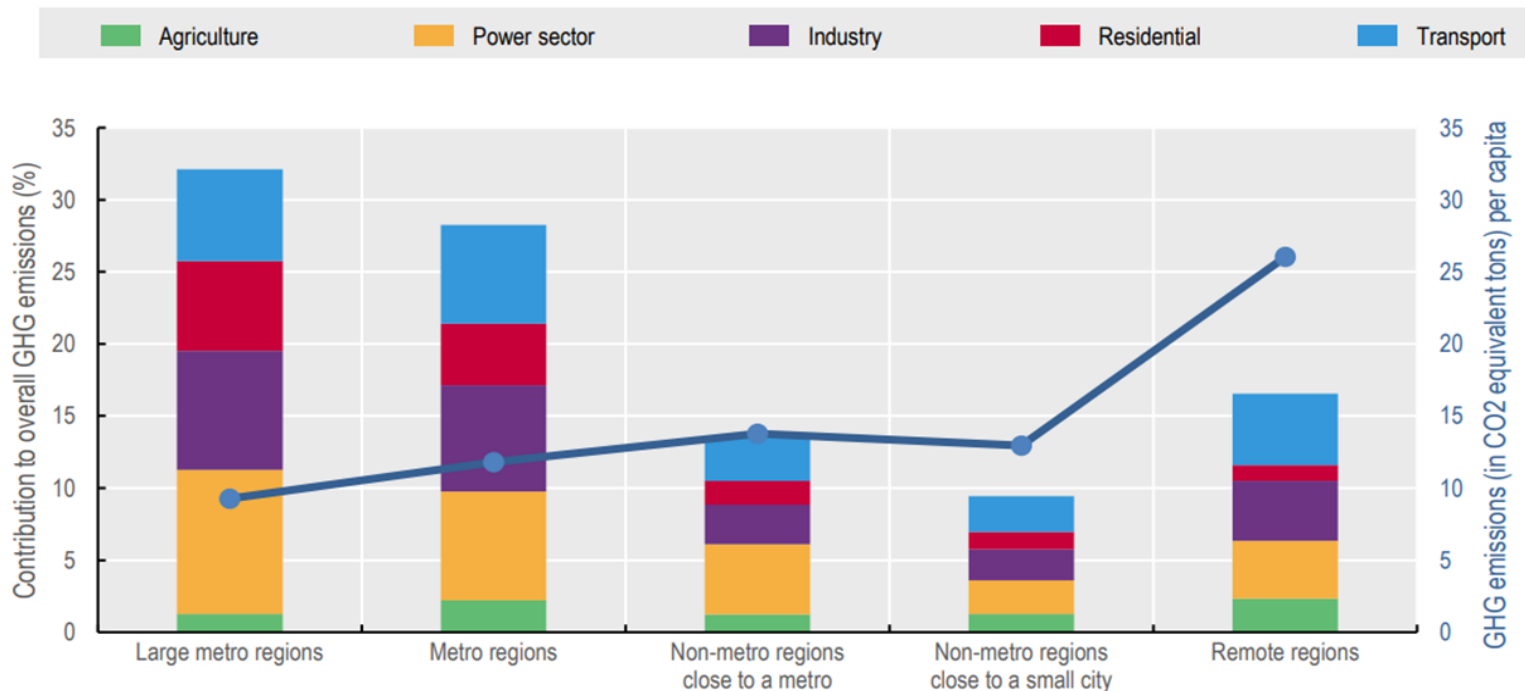
Outline

- 1 Demographic change and climate change require place-based policy responses
- 2 Spatial planning is an important policy approach

Granular geospatial data can help identify challenges and policy responses



Regions face specific environmental challenges and opportunities

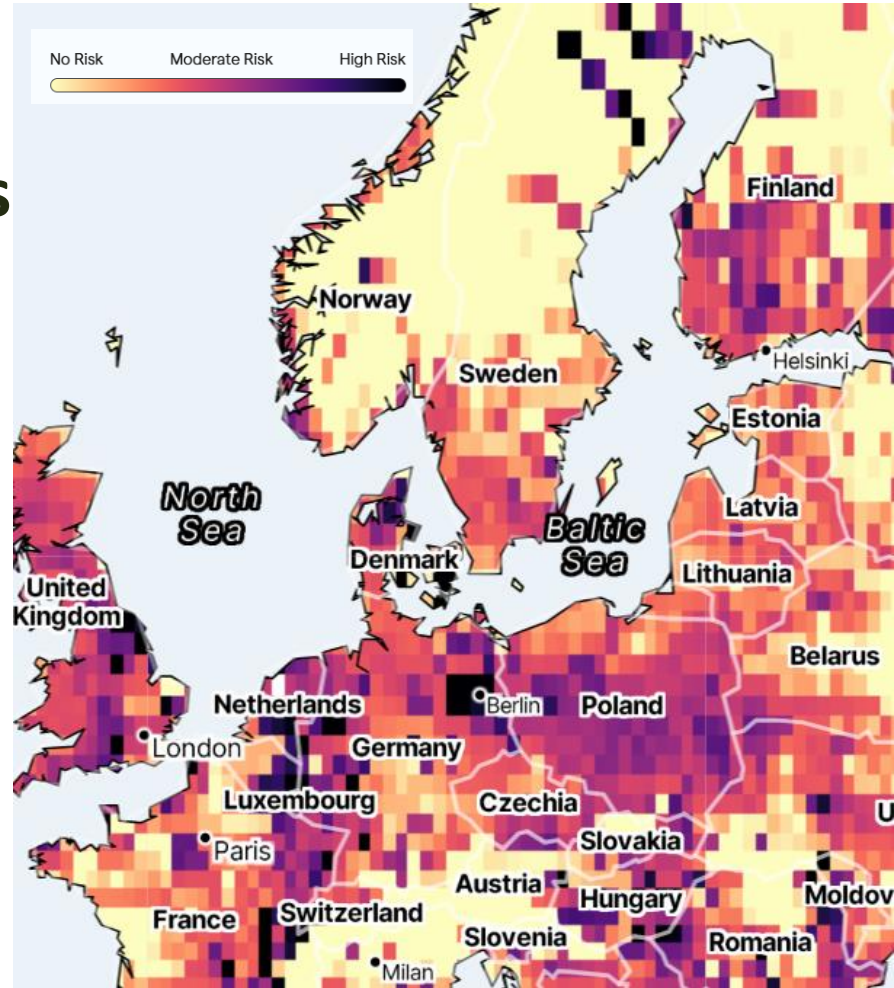


Source: OECD Regional Outlook 2021, Regions and Cities at a Glance

Exposure to future climate hazards varies across regions

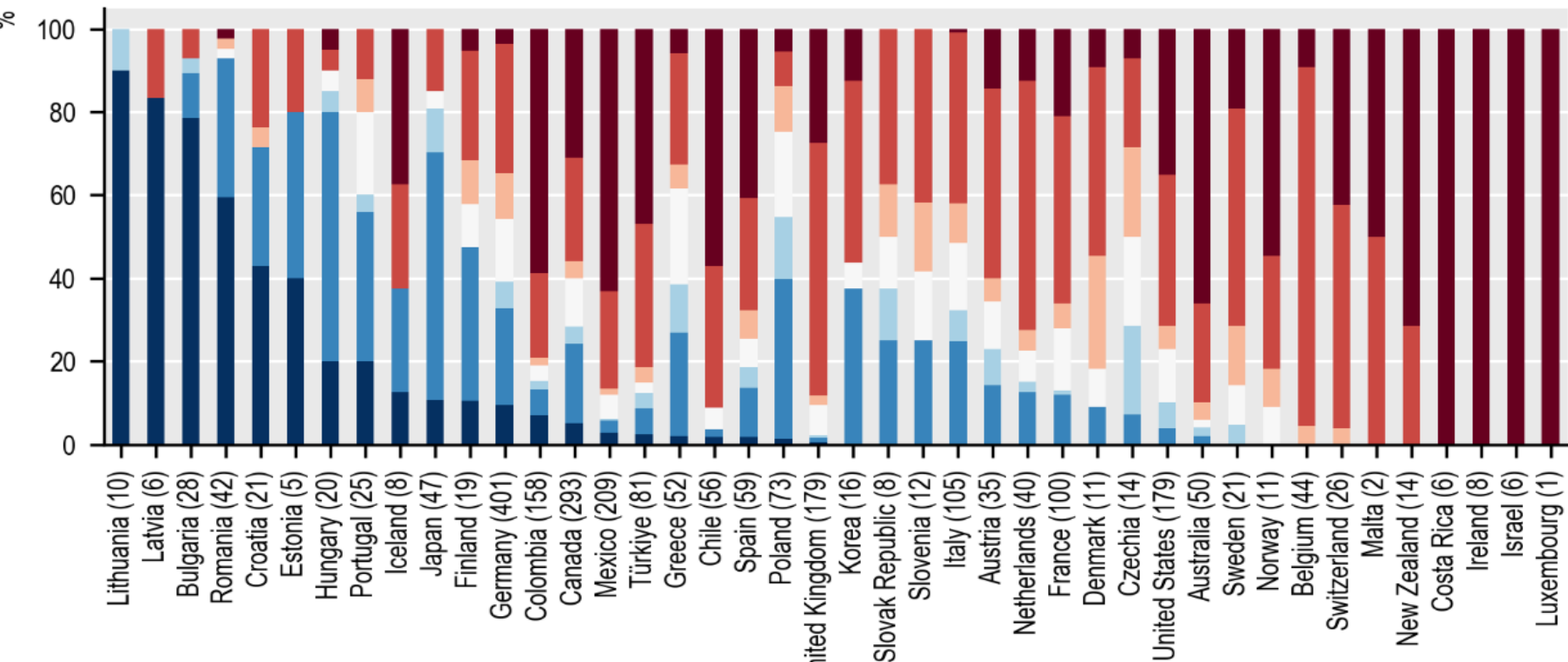
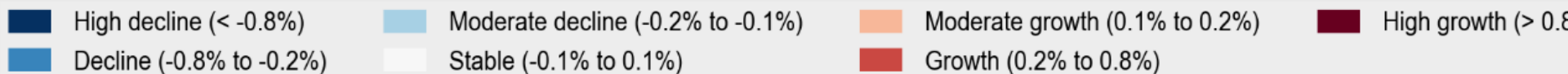
Index for the change in mean seasonal water availability

2-degree global warming scenario Source: IIASA





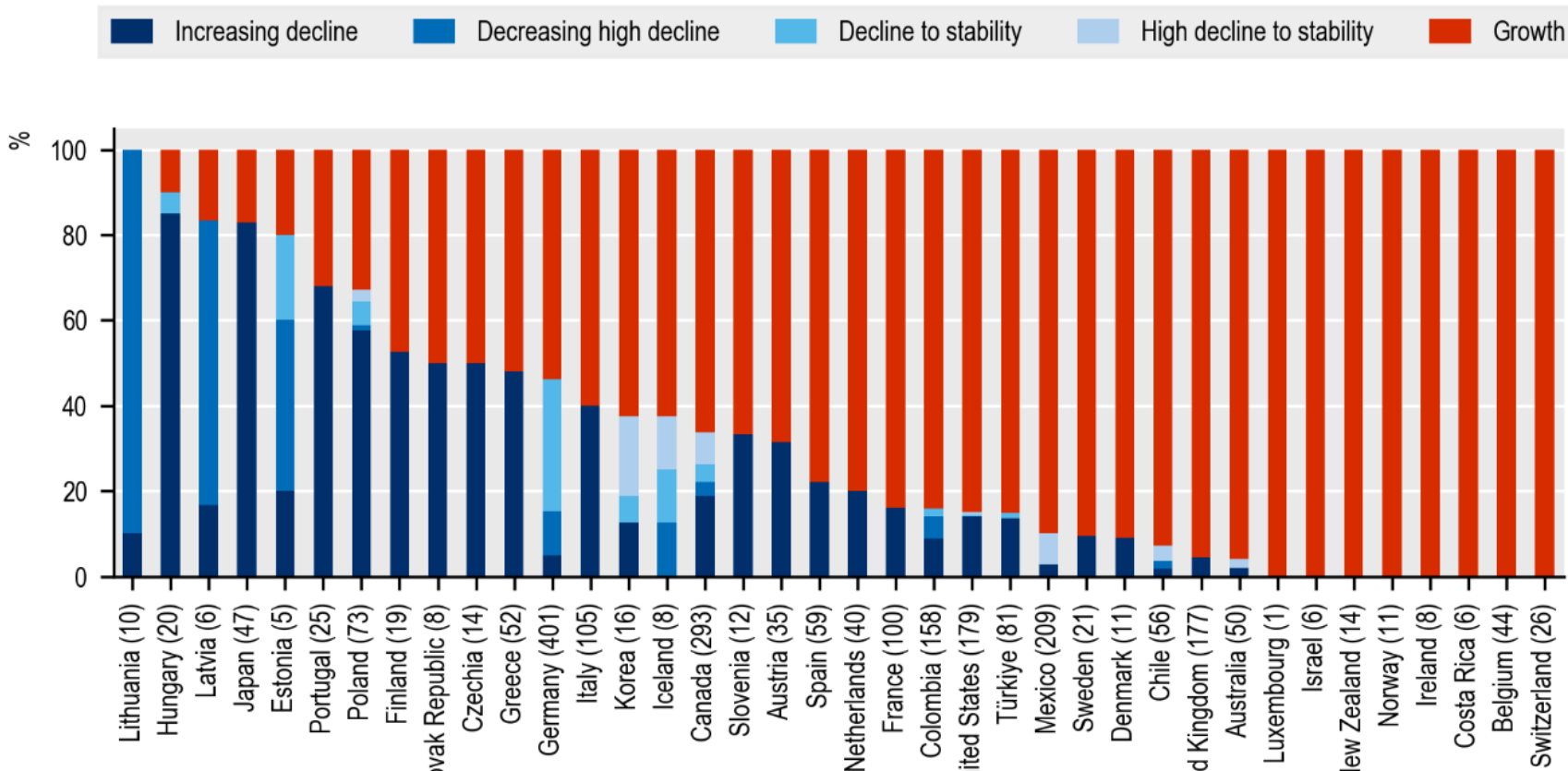
Demographic challenges differ across regions



Distribution of TL3 regions, 2001 to 2020, OECD and EU27 TL3 regions.



Shrinking is intensifying



Distribution of TL3 regions by cluster, 2001 to 2020, OECD and EU27 TL3 regions.

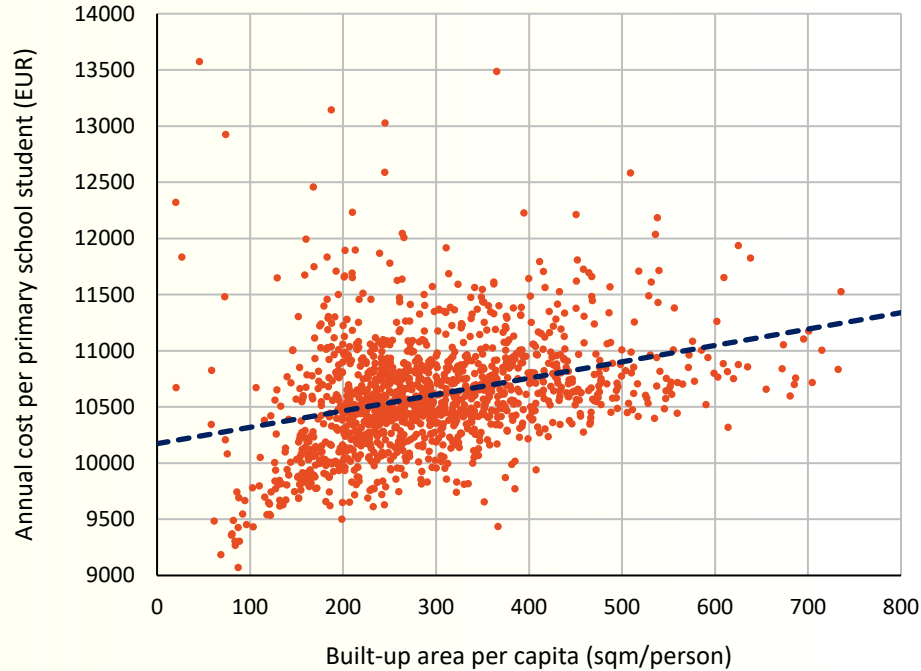


**Spatial planning is an
important policy
approach**



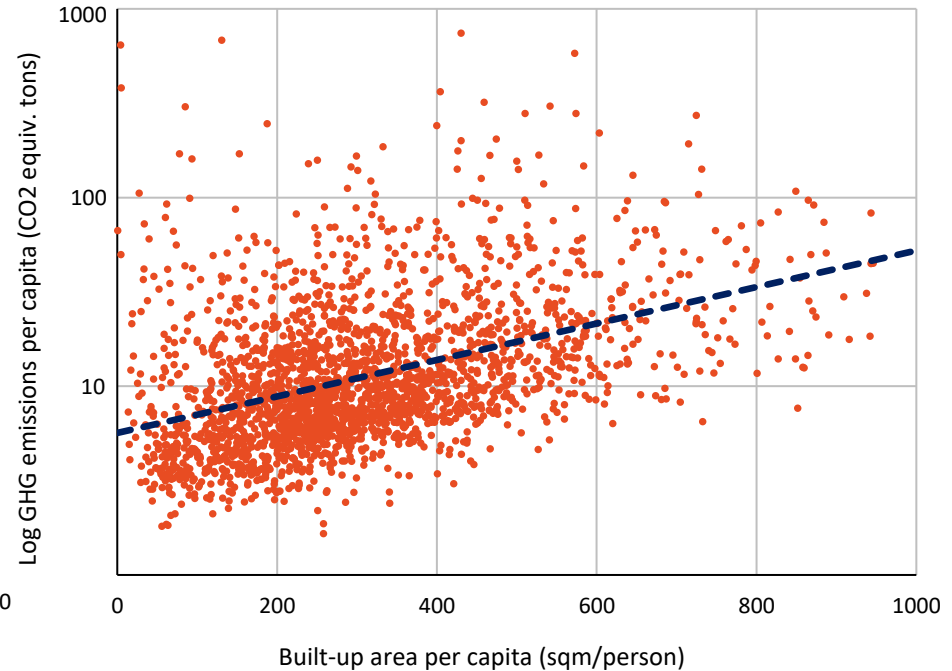
Reduce land consumption and encourage densification

School costs vs. built-up area per capita (TL3)



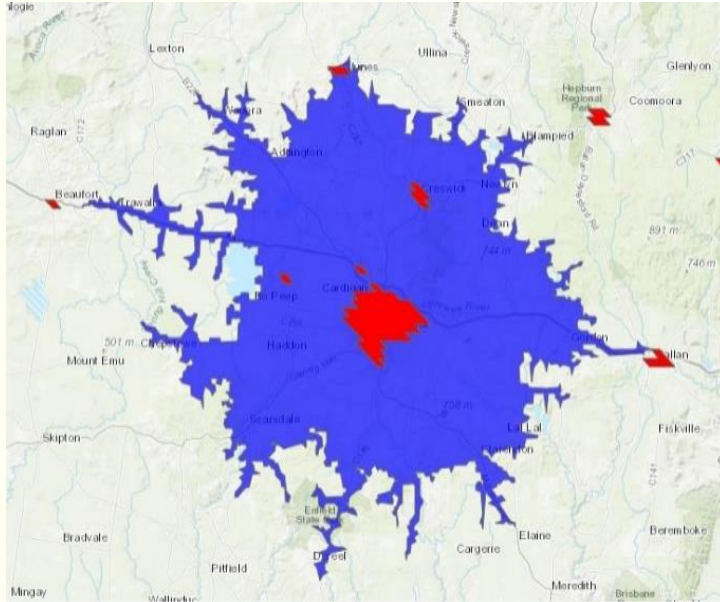
2010-14

GHG emissions vs. built-up area per capita (TL3)



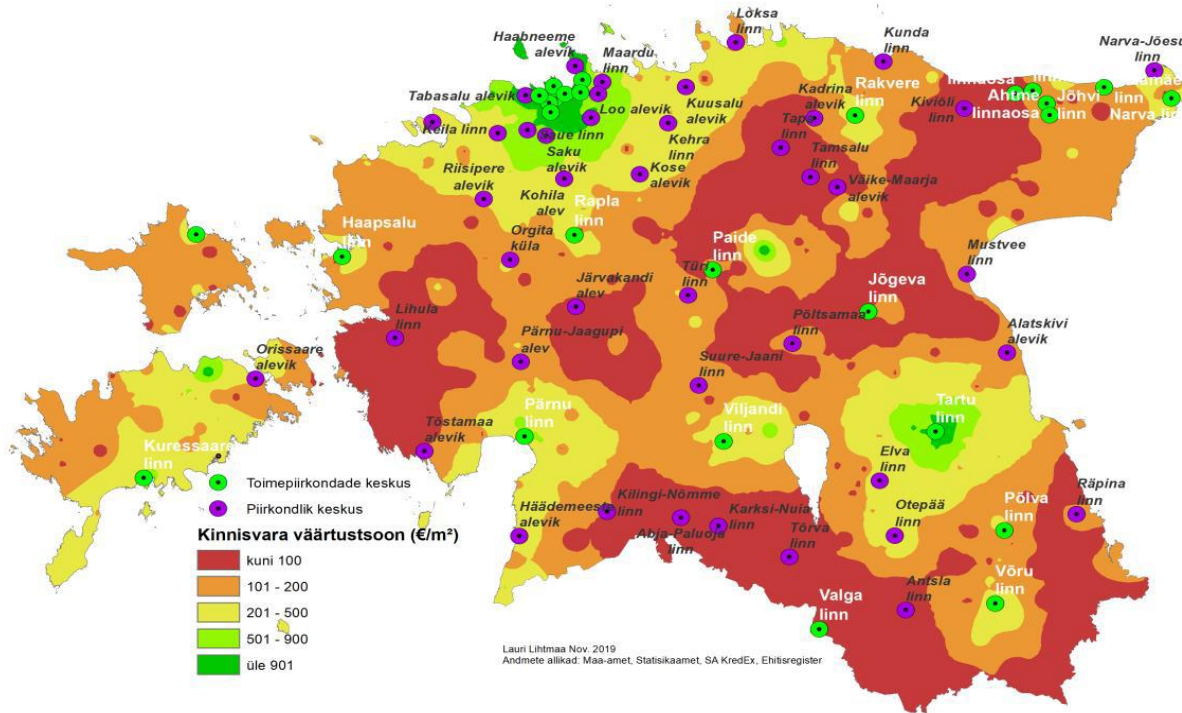
Accessibility analysis can improve public service supply

Settlements within 30-minute distance from
Ballarat (Victoria, Australia)



- **Population decline:**
Loss of scale economies in infrastructure and facilities
- **Accessibility analysis**
can identify regional centers to prevent access risks

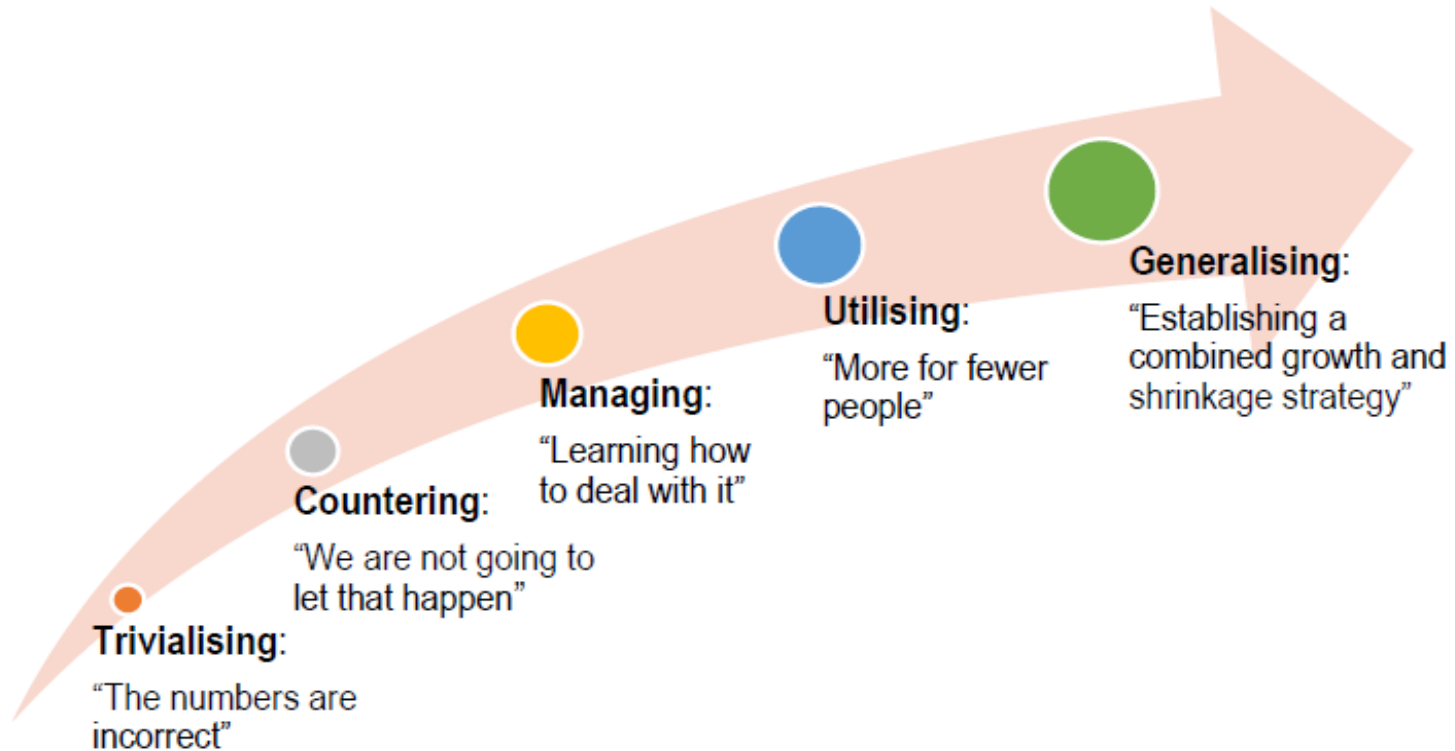
Demographic shrinkage affects housing wealth



- Population decline:
Spiral of falling house prices and degrading built environment, vacancies
- Housing policy
Targeted interventions: refurbish, reuse, demolish



Adaptation: moving from trivialising to generalising a positive adaptive approach



Adapted and modified from Hospers and Reverda (2015)

Thank you!



Andres.FUENTES@oecd.org

Twitter: @OECD_local

LinkedIn: www.linkedin.com/company/oecd-local

Website: www.oecd.org/cfe

