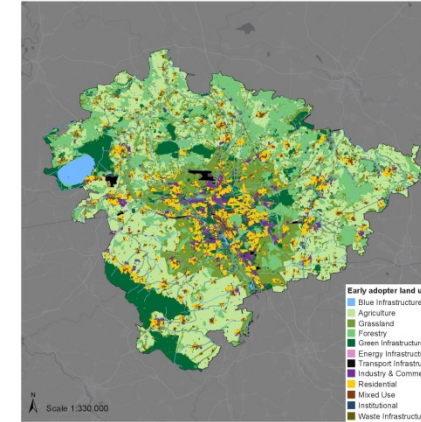


Status Quo: 2020



Early adopter: 2035



Early adopter: 2050



Late adopter: 2035



Late adopter: 2050

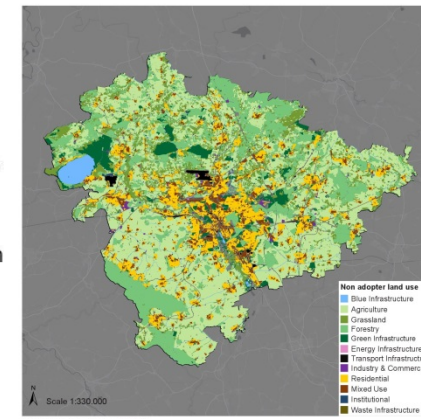
Carbon neutral transition in the land uses of the Region Hannover

The Hannover Region has a high level of biodiversity in its landscape, with fertile soils in the south and old forests in the north. The city of Hannover is one of the greenest cities in Germany and the proportion of green areas accounts for 11% of the total urban area. This is a positive starting point for the development of a sustainable region up to the year 2050.

The given land uses were examined and then overlaid in order to identify and analyse resulting conflicts or synergies. To solve the conflicts, different priorities were defined for each scenario.

Major innovations

- Mix 2035 3 People-oriented smart cities
- Mix 2035 7 Sharing economy
- Agr 2035/2050 1 Organic agriculture
- Agr 2035/2050 15 Drones in agriculture
- Grn 2035/2050 9 Connectivity and elements
- Grn 2035 12 Green roofs
- Ene 2035 3 Solar roads
- Ene 2050 15 Windrail
- Tra 2035/2050 1 The autonomous revolution



Non adopter: 2050

Major assumptions

- Population decline by 8 % by 2050
- Growth of 1.3 % until 2030
- Increase in older people by 2030
- City shrinks less than rural area
- Rearranging to electric power
- Number of employees decreases by 6 %
- Gross value increase by +35 %
- Expansion of digital network
- Safer, more efficient and more sustainable network
- Average temperature 2050 > 11 ° C
- Less frost, ice days and cold spells
- More tropical nights, hot days
- Slight decrease in rainfall
- Abdication of fossil fuels
- increasing electricity production

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